

2024 RAM 1500 OWNER'S MANUAL



RAM





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Actual products sold may vary.

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INTRODUCTION

Dear Customer,

Congratulations on the purchase of your new Ram vehicle. Be assured that it represents precision workmanship, distinctive styling, and high quality.

This is a specialized utility vehicle. It can go places and perform tasks that are not intended for conventional passenger vehicles. It handles and maneuvers differently from many passenger vehicles both on-road and off-road, so take time to become familiar with your vehicle. If equipped, the two-wheel drive version of this vehicle was designed for on-road use only. It is not intended for off-road driving on rugged terrain or use in other severe conditions suited for a four-wheel drive vehicle. Before you start to drive this vehicle, read the Owner's Manual. Be sure you are familiar with all vehicle controls, particularly those used for braking, steering, transmission, and transfer case shifting. Learn how your vehicle handles on different road surfaces. Your driving skills will improve with experience. When driving off-road, or working the vehicle, don't overload the vehicle or expect the vehicle to overcome the natural laws of physics. Always observe state, provincial and local laws wherever you drive. As with other vehicles of this type, failure to operate this vehicle correctly may result in loss of control or a collision ➞ page 182.

This Owner's Manual has been prepared with the assistance of service and engineering specialists to acquaint you with the operation and maintenance of your vehicle. It is supplemented by customer-oriented documents. Within this information, you will find a description of the services that FCA offers to its customers as well as the details of the terms and conditions for maintaining its validity. Please take the time to read all of these publications carefully before driving your vehicle for the first time. Following the instructions, recommendations, tips, and important warnings in this manual will help ensure safe and enjoyable operation of your vehicle.

This Owner's Manual describes all versions of this vehicle. Options and equipment dedicated to specific markets or versions are not expressly indicated in the text. Therefore, you should only consider the information that is related to the trim level, engine, and version that you have purchased. Any content introduced throughout the Owner's Information, which may or may not be applicable to your vehicle, will be identified with the wording "If Equipped". All data contained in this publication are intended to help you use your vehicle in the best possible way. FCA aims at a constant improvement of the vehicles produced. For this reason, it reserves the right to make changes to the model described for technical and/or commercial reasons. For further information, contact an authorized dealer.

When it comes to service, remember that authorized dealers know your Ram vehicle best, have factory-trained technicians, genuine Mopar® parts, and care about your satisfaction.

IMPORTANT NOTICE

ALL MATERIAL CONTAINED IN THIS PUBLICATION IS BASED ON THE LATEST INFORMATION AVAILABLE AT THE TIME OF PUBLICATION APPROVAL. THE RIGHT IS RESERVED TO PUBLISH REVISIONS AT ANY TIME.

After you have read the Owner's Manual, it should be stored in the vehicle for convenient reference and remain with the vehicle when sold.

The Owner's Manual illustrates and describes the features that are standard or available as extra cost options. Therefore, some of the equipment and accessories in this publication may not appear on your vehicle.

NOTE:



Be sure to read the Owner's Manual first before driving your vehicle and before attaching or installing parts/accessories or making other modifications to the vehicle.

In view of the many replacement parts and accessories from various manufacturers available on the market, FCA cannot be certain that the driving safety of your vehicle will not be impaired by the attachment or installation of such parts. Even if such parts are officially approved (for example, by a general operating permit for the part or by constructing the part in an officially approved design), or if an individual operating permit was issued for the vehicle after the attachment or installation of such parts, it cannot be implicitly assumed that the driving safety of your vehicle is unimpaired. Therefore, neither experts nor official agencies are liable. FCA only assumes responsibility when parts, which are expressly authorized or recommended by FCA, are attached or installed at an authorized dealer. The same applies when modifications to the original condition are subsequently made on FCA vehicles.

Your warranties do not cover any part that FCA did not supply. Nor do they cover the cost of any repairs or adjustments that might be caused or needed because of the installation or use of non-manufacturer parts, components, equipment, materials, or additives. Nor do your warranties cover the costs of repairing damage or conditions caused by any changes to your vehicle that do not comply with FCA specifications.

FCA reserves the right to make changes in design and specifications, and/or to make additions to or improvements in its products without imposing any obligations upon itself to install them on products previously manufactured.

SYMBOLS KEY

WARNING!	These statements apply to operating procedures that could result in a collision, bodily injury and/or death.
CAUTION!	These statements apply to procedures that could result in damage to your vehicle.
NOTE:	A suggestion which will improve installation, operation, and reliability. If not followed, may result in damage.
TIP:	General ideas/solutions/suggestions on easier use of the product or functionality.
PAGE REFERENCE ARROW 	Follow this reference for additional information on a particular feature.
FOOTNOTE 	Supplementary and relevant information pertaining to the topic.

If you do not read the entire Owner's Manual, you may miss important information. Observe all Cautions and Warnings.

VAN CONVERSIONS/CAMPERS

The New Vehicle Limited Warranty does not apply to body modifications or special equipment installed by van conversion/camper manufacturers/body builders. Such equipment includes video monitors, DVD/Blu-Ray™, heaters, stoves, refrigerators, etc. For warranty coverage and service on these items, contact the applicable manufacturer.

CONSUMER INFORMATION — TRUCK-CAMPER LOADING

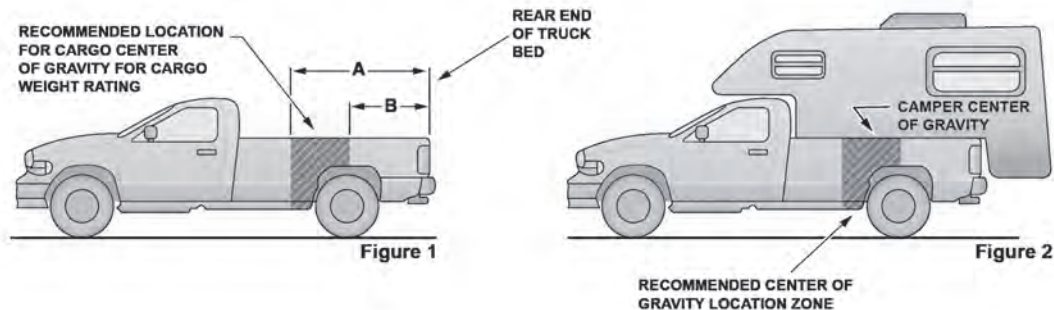
A slide-in camper document is provided in your vehicle's glove compartment that contains your Vehicle Identification Number, truck model, cargo weight rating, and the forward/rearward limit of a camper. To obtain additional dimensional and technical specifications for your vehicle, please visit <https://www.ramtrucks.com>.

Figure 1 illustrates the dimensions describing the forward and rearward limits of the zone in which the Center of Gravity (CG) of a slide-in camper must be located, to provide satisfactory vehicle handling and to prevent overload of the front and rear axles.

Figure 2 illustrates a proper match between truck and camper.

NOTE:

The camper Center of Gravity falls within the specified zone.



A0105000004US

A — Forward Limit of Camper CG
B — Rearward Limit of Camper CG

When the truck is used to carry a slide-in camper, the total cargo load of the truck consists of the manufacturer's camper weight figure, the weight of installed additional camper equipment not included in the manufacturer's camper weight figure, the weight of camper cargo, and the weight of passengers in the camper. The total cargo load should not exceed the truck's cargo weight rating and the camper's CG should fall within the truck's recommended CG zone when installed.

Secure loose items to prevent weight shifts that could affect the balance of your vehicle. When the truck camper is loaded, drive to a scale and weigh the front and rear wheels separately, to determine axle loads. Individual axle loads should not exceed either of the Gross Axle Weight Ratings (GAWR). The total of the axle loads should not exceed the Gross Vehicle Weight Rating (GVWR). If weight ratings are exceeded, move or remove items to get the total weight below the ratings.

NOTE:

These ratings are also provided on the Vehicle Certification Label located on the driver's side B-pillar. See ➞ page 168 for more information.

For any additional instructions, please contact your conversion/camper manufacturer or an authorized dealer.

Camper Applications — TRX Only

This vehicle is not recommended for slide-in camper applications.

VEHICLE MODIFICATIONS/ALTERATIONS

WARNING!


Any modifications or alterations to this vehicle could seriously affect its roadworthiness and safety and may lead to a collision resulting in serious injury or death.







SYMBOL GLOSSARY







Some car components have colored labels with symbols indicating precautions to be observed when using this component. It is important to follow all warnings when operating your vehicle. See below for the definition of each symbol ➞ page 101.




NOTE:




Warning and Indicator lights are different based upon equipment options and current vehicle status. Some telltales are optional and may not appear.







Red Warning Lights	
	Air Bag Warning Light ➞ page 101







Red Warning Lights	
	Battery Charge Warning Light ➞ page 102
	Brake Warning Light ➞ page 102
	Door Open Warning Light ➞ page 102
	Electronic Throttle Control (ETC) Warning Light ➞ page 102
	Electric Power Steering (EPS) Fault Warning Light ➞ page 102
	Engine Coolant Temperature Warning Light ➞ page 103


Red Warning Lights	
	Hood Open Warning Light ⇒ page 103
	Oil Pressure Warning Light ⇒ page 103
	Oil Temperature Warning Light ⇒ page 103
	Seat Belt Reminder Warning Light ⇒ page 103
	Speed Warning Light ⇒ page 103
	Tailgate Open Warning Light ⇒ page 103






Red Warning Lights	
	Trailer Brake Disconnected Warning Light ⇒ page 103
	Transmission Temperature Warning Light ⇒ page 104
	Vehicle Security Warning Light ⇒ page 104







Yellow Warning Lights	
	Adaptive Cruise Control (ACC) Fault Warning Light ⇒ page 104
	Air Suspension Fault Warning Light ⇒ page 104
	Anti-Lock Brake System (ABS) Warning Light ⇒ page 104







Yellow Warning Lights	
	Cruise Control Fault Warning Light ⇒ page 106
	Electric Park Brake Warning Light ⇒ page 104
	Electronic Stability Control (ESC) Active Warning Light ⇒ page 104
	Electronic Stability Control (ESC) OFF Warning Light ⇒ page 105
	Engine Check/Malfunction Indicator Warning Light (MIL) ⇒ page 105
	Low Washer Fluid Warning Light ⇒ page 105


Yellow Warning Lights	
	Low Fuel Warning Light ⇒ page 105
	Rear Axle Locker Fault Warning Light ⇒ page 105
	Service Forward Collision Warning (FCW) Light ⇒ page 105
	Service Stop/Start System Warning Light ⇒ page 105
	Service 4WD Warning Light ⇒ page 106
	Service LaneSense Warning Light ⇒ page 105






Yellow Warning Lights	
	Tire Pressure Monitoring System (TPMS) Warning Light ⇒ page 106







Yellow Indicator Lights	
	Air Suspension Payload Protection Indicator Light ⇒ page 107
	Air Suspension Off-Road 1 Indicator Light ⇒ page 107
	Air Suspension Off-Road 2 Indicator Light ⇒ page 107
	Air Suspension Normal Height Indicator Light ⇒ page 107
	Air Suspension Aerodynamic Height Indicator Light ⇒ page 107







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	Air Suspension Ride Height Raising Indicator Light ⇒ page 107
	Air Suspension Ride Height Lowering Indicator Light ⇒ page 107
	Cargo Light Active Indicator Light ⇒ page 107
	Entry/Exit Indicator Light ⇒ page 107
	Forward Collision Warning (FCW) Off Indicator Light ⇒ page 107
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	Adaptive Cruise Control (ACC) Set With No Target Detected Indicator Light ⇒ page 108
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	ECO Mode Indicator Light ⇒ page 108
	Front Fog Indicator Light ⇒ page 108

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	Parking/Headlights On Indicator Light ⇨ page 108
	Stop/Start Active Indicator Light ⇨ page 109
	Turn Signal Indicator Lights ⇨ page 108
	4WD AUTO Indicator Light ⇨ page 109
	Baja Mode Indicator Light ⇨ page 109

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	Custom Mode Indicator Light ⇨ page 109
	Mud/Sand Mode Indicator Light ⇨ page 109
	Rock Mode Indicator Light ⇨ page 109
	Snow Mode Indicator Light ⇨ page 109
	Sport Mode Indicator Light ⇨ page 109
	Tow Mode Indicator Light ⇨ page 109

Green Indicator Lights

Valet Mode Indicator Light
 ⇨ page 109

Blue Indicator Lights

High Beam Indicator Light
 ⇨ page 110

White Indicator Lights

Adaptive Cruise Control (ACC) Ready Indicator Light
 ⇨ page 109



Cruise Control Ready Indicator Light
 ⇨ page 109



Cruise Control SET Indicator Light
 ⇨ page 110



Selec-Speed Control (SSC) Indicator Light
 ⇨ page 109



LaneSense Indicator Light
 ⇨ page 110

GETTING TO KNOW YOUR VEHICLE

KEYS

KEY FOB

Your vehicle is equipped with a key fob which supports Passive Entry, Remote Keyless Entry (RKE), Keyless Enter 'n Go™ (if equipped), remote air suspension lowering (if equipped), and Remote Start (if equipped). The key fob allows you to lock or unlock all doors, tailgate, and the RamBox (if equipped) as well as activate the Panic Alarm from distances up to approximately 66 ft (20 m). The key fob does not need to be pointed at the vehicle to activate the system. The key fob also contains an emergency key, which is stored in the rear of the key fob.

NOTE:

- The key fob's wireless signal may be blocked if the key fob is located next to a mobile phone, laptop, or other electronic device. This may result in poor performance.
- If your vehicle is equipped with a Wireless Charging Pad, the key fob may not be detected if it is placed within 6 inches (15 cm) of the pad ➔ page 61.
- With the ignition in the ON position and the vehicle moving at 2 mph (4 km/h), all RKE commands are disabled.



Key Fob

- 1 — LED Indicator Light
- 2 — Unlock
- 3 — Tailgate Lowering (If Equipped)
- 4 — Air Suspension Remote Lowering (If Equipped)
- 5 — Lock
- 6 — Remote Start (If Equipped)
- 7 — Panic
- 8 — Emergency Key

In case the ignition switch does not change with the push of a button, the key fob may have a low or fully depleted battery. A low key fob battery can be verified by referring to the instrument cluster display, which will display a procedure to follow.

NOTE:

A low key fob battery condition may be indicated by a message in the instrument cluster display, or by the LED light on the key fob. If the LED key fob light no longer illuminates from key fob button pushes, then the key fob battery requires replacement.

To Lock/Unlock The Doors And Tailgate

All doors, liftgate, and RamBox (if equipped) can be programmed to either unlock on the first push of the unlock button, or for the first push to unlock only the driver's door, then twice within five seconds to unlock all doors, liftgate, and RamBox (if equipped). To lock all the doors, liftgate, and RamBox (if equipped), push the lock button once.

When the doors are unlocked, the turn signals will flash and the illuminated entry system will be activated.

When the doors are locked, the turn signals will flash and the horn will chirp.

The horn chirp when the lock button is pushed can be programmed on/off within Uconnect Settings

➔ page 189.

Using The Panic Feature

To turn the Panic feature on or off, push the Panic button on the key fob. When the Panic feature is activated, the turn signals will flash, the horn may pulse on and off (if equipped with horn alarm), and the interior lights will turn on.

The Panic feature will stay on for three minutes unless you turn it off by either pushing the Panic button a second time or driving the vehicle at a speed of 15 mph (24 km/h) or greater.

NOTE:

- The interior lights will turn off if you place the ignition in the ON/RUN position while the Panic feature is activated. However, the exterior lights and horn (if equipped with horn alarm) will remain on.
- You may need to be less than 35 ft (11 m) from the vehicle when using the key fob to turn off the Panic feature due to the radio frequency noises emitted by the system.

Air Suspension (Remote Lowering Of The Vehicle) — If Equipped



For easy entry and loading, your vehicle can be lowered by pushing the key fob air suspension lowering button two times. When air suspension lowering is requested using the key fob, the vehicle will send a series of chirps and flashes to alert the customer that the operation has begun and will continue these alerts until it successfully lowers.

The following conditions must be met for the vehicle to lower remotely:

- The vehicle must not already be in Entry/Exit ride height.
- The vehicle battery must be fully charged.
- All doors must be closed.
- The key fob must be out of the vehicle.
- Gear selector must be in PARK.

NOTE:

Ensure the vehicle is clear of all objects, pets, and people prior to remote lowering.

Canceling Remote Lowering

Vehicle lowering can be canceled at anytime. When vehicle lowering is canceled, the vehicle will raise to the next defined level and lock out the remote lowering feature for five seconds until a new request is made.

To cancel vehicle lowering, push the key fob air suspension lowering button one time during the lowering process. When vehicle lowering is canceled, the horn will chirp two times and the turn signal lamps will flash four times. Once raising is completed, the horn will chirp one time.

NOTE:

More information on air suspension is provided later in this manual, see ➞ page 133.

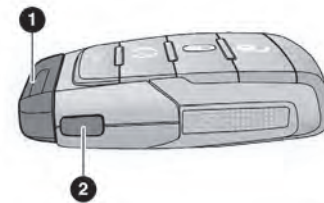
Replacing The Battery In The Key Fob

The replacement battery model is one CR2450 battery.

NOTE:

- Customers are recommended to use a battery obtained from Mopar®. Aftermarket coin battery dimensions may not meet the original OEM coin battery dimensions.
- Perchlorate Material — special handling may apply.
- Do not touch the battery terminals that are on the back housing or the printed circuit board.
- Do not replace the coin battery if the LED on the key fob above the top row buttons blinks when a button is pressed. The coin battery should last a minimum of three years with normal vehicle usage.

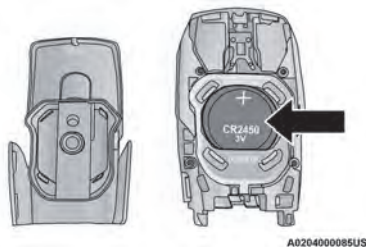
1. Remove the emergency key (1) by pushing the emergency key release button (2) on the side of the key fob, and pulling the emergency key out with your other hand.



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Emergency Key Removal

- 1 — Emergency Key
 - 2 — Emergency Key Release Button
2. Hold the key fob with the button side facing down, and locate the small rectangular gap on the left side between the housing and the back cover of the key fob. Use a small screwdriver (or similar tool) to pry open the left side of the fob cover while applying pressure until the cover snaps open.
 3. Next, locate the gap on the right side of the key fob, which is positioned farther to the edge than the left side gap. Pry open the right side, and remove the back cover.
 4. Remove the battery by using your thumb to slide the battery downward and back toward the key ring.

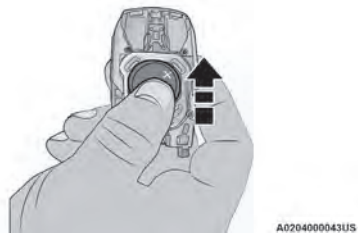


Key Fob Battery Location

NOTE:

When replacing the battery, ensure the (+) sign on the battery is facing upward. Avoid touching the new battery with your fingers. Skin oils may cause battery deterioration. If you touch a battery, clean it with rubbing alcohol.

5. Replace the battery by using your thumb to push down and slide the battery under the small lip on the top edge of the opening.



Key Fob Battery Replacement

6. To assemble the key fob case, line up the top edge of the back cover with the top of the fob, and press the edges into the interlocking hinges until all edges snap together with no large visual gaps.
7. Reinsert the emergency key until it locks into place.

NOTE:

The key fob battery should only be replaced by qualified technicians. If the battery requires replacement, see an authorized dealer.

WARNING!

- The integrated key fob contains a coin cell battery. Do not ingest the battery; there is a chemical burn hazard. If the coin cell battery is swallowed, it can cause severe internal burns in just two hours and can lead to death.
- If you think a battery may have been swallowed or placed inside any part of the body, seek immediate medical attention.
- Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.

Programming And Requesting Additional Key Fobs

Programming the key fob may be performed by an authorized dealer.

NOTE:

- Once a key fob is programmed to a vehicle, it cannot be repurposed and reprogrammed to another vehicle.

- Only key fobs that are programmed to the vehicle electronics can be used to start and operate the vehicle.

WARNING!

- Always remove the key fobs from the vehicle and lock all doors when leaving the vehicle unattended.
- For vehicles equipped with Keyless Enter 'n Go™ Ignition, always remember to place the ignition in the OFF position when exiting the vehicle.

Duplication of key fobs may be performed at an authorized dealer. This procedure consists of programming a blank key fob to the vehicle electronics. A blank key fob is one that has never been programmed.

NOTE:

- When having the Sentry Key Immobilizer system serviced, bring all vehicle keys with you to an authorized dealer.
- Keys must be ordered to the correct key cut to match the vehicle locks.
- It is not mandatory to replace the key fob if a new emergency key is needed, and vice versa.

SENTRY KEY

The Sentry Key Immobilizer system prevents unauthorized vehicle operation by disabling the engine. The system does not need to be armed or activated. Operation is automatic, regardless of whether the vehicle is locked or unlocked.

The system uses a key fob, keyless push button ignition and a Radio Frequency (RF) receiver to prevent unau-

thorized vehicle operation. Therefore, only key fobs that are programmed to the vehicle can be used to start and operate the vehicle. The system cannot reprogram a key fob obtained from another vehicle.

After placing the ignition in the ON/RUN position, the Vehicle Security Light will turn on for three seconds for a bulb check. If the light remains on after the bulb check, it indicates that there is a problem with the electronics. In addition, if the light begins to flash after the bulb check, it indicates that someone attempted to start the engine with an invalid key fob. If a valid key fob is used to start the engine but there is an issue with the vehicle electronics, the engine will start and shut off after two seconds.

If the Vehicle Security Light turns on during normal vehicle operation (vehicle running for longer than 10 seconds), it indicates that there is a fault in the electronics. Should this occur, have the vehicle serviced as soon as possible by an authorized dealer.

CAUTION!

The Sentry Key Immobilizer system is not compatible with some aftermarket Remote Start systems. Use of these systems may result in vehicle starting problems and loss of security protection.

All of the key fobs provided with your new vehicle have been programmed to the vehicle electronics.

NOTE:

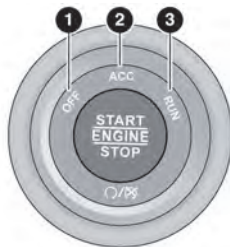
A key fob that has not been programmed is also considered an invalid key.

IGNITION SWITCH

KEYLESS ENTER 'N GO™ IGNITION

This feature allows the driver to operate the ignition switch with the push of a button as long as the key fob is in the passenger compartment.

The START/STOP ignition button has several operating modes that are labeled and will illuminate when in position. These modes are OFF, ACC, ON/RUN, and START.



Keyless Push Button Ignition

- 1 — OFF
- 2 — ACC (Accessory)
- 3 — ON/RUN

The push button ignition can be placed in the following modes:

OFF

- The engine is stopped
- Some electrical devices (e.g. power locks, alarm, etc.) are still available

ACC

- Engine is not started
- Some electrical devices are available (e.g. power sunroof, power windows, etc.)

ON/RUN

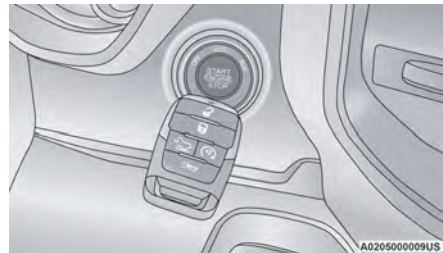
- Driving position
- All electrical devices are available (e.g. climate controls, heated seats, etc.)

START

- The engine will start (when foot is on the brake)

NOTE:

If the ignition switch does not change the mode by pushing the button, the key fob may have a low or depleted battery. In this situation, a backup method can be used to operate the ignition switch. Put the nose side (side opposite of the emergency key) of the key fob against the START/STOP ignition button and push to operate the ignition switch.



Backup Starting Method

WARNING!


- When exiting the vehicle, always remove the key fob from the vehicle and lock your vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle.
- Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the gear selector.
- Do not leave the key fob in or near the vehicle, or in a location accessible to children, and do not leave the Keyless Enter 'n Go™ Ignition in the ON/RUN position. A child could operate power windows, other controls, or move the vehicle.
- Do not leave children or animals inside parked vehicles in hot weather. Interior heat buildup may cause serious injury or death.

CAUTION!

An unlocked vehicle is an invitation for thieves. Always remove key fob from the vehicle and lock all doors when leaving the vehicle unattended.

NOTE:

- The key fob may not be detected by the vehicle Keyless Enter 'n Go™ system if it is located next to a mobile phone, laptop or other electronic device; these devices may block the key fob's wireless signal and prevent the Keyless Enter 'n Go™ system from starting the vehicle.

- For more information on normal engine starting, see  page 111.
- When opening the driver's door and the ignition is in the ON/RUN position (engine not running), a chime will sound to remind you to place the ignition in the OFF position. In addition to the chime, the message "Ignition or Accessory ON" will display in the cluster.

REMOTE START — IF EQUIPPED

This system uses the key fob to start the engine conveniently from outside the vehicle while still maintaining security. The system has a range of approximately 328 ft (100 m).

Remote Start is used to defrost windows in cold weather and to reach a comfortable climate in all ambient conditions before the customer enters the vehicle.

NOTE:

Obstructions between the vehicle and key fob may reduce this range.

WARNING!

- Do not start or run an engine in a closed garage or confined area. Exhaust gas contains carbon monoxide which is odorless and colorless. Carbon monoxide is poisonous and can cause serious injury or death when inhaled.
- Keep key fobs away from children. Operation of the Remote Start system, windows, door locks or other controls could cause serious injury or death.

HOW TO USE REMOTE START

Push and release the Remote Start button on the key fob twice within five seconds. The vehicle doors will lock, the parking lights will flash, and the horn will chirp twice (if programmed). Then, the engine will start, and the vehicle will remain in the Remote Start mode for a 15 minute cycle.

Pushing the Remote Start button a third time shuts the engine off.

To drive the vehicle, push the unlock button, and place the ignition in the ON/RUN position.

NOTE:

- With Remote Start, the engine will only run for 15 minutes.
- Remote Start can only be used twice.
- If an engine fault is present or fuel level is low, the vehicle will start and then shut down in 10 seconds.
- The parking lights will turn on and remain on during Remote Start mode.
- For security, power window and power sunroof operation (if equipped) are disabled when the vehicle is in the Remote Start mode.
- The ignition must be placed in the ON/RUN position before the Remote Start sequence can be repeated for a third cycle.

All of the following conditions must be met before the engine will remote start:

- Gear selector in PARK
- Doors closed
- Hood closed
- Hazard switch off

- Brake switch inactive (brake pedal not pressed)
- Battery at an acceptable charge level
- Panic button not pushed
- Fuel meets minimum requirement
- System not disabled from previous Remote Start event
- Vehicle Security system not active
- Malfunction Indicator Light (MIL) is not illuminated

WARNING!

- Do not start or run an engine in a closed garage or confined area. Exhaust gas contains carbon monoxide which is odorless and colorless. Carbon monoxide is poisonous and can cause serious injury or death when inhaled.
- Keep key fobs away from children. Operation of the Remote Start system, windows, door locks or other controls could cause serious injury or death.

TO EXIT REMOTE START MODE

To drive the vehicle after a Remote Start, unlock the doors using the key fob or Passive Entry and disarm the Vehicle Security system (if equipped). Then, prior to the end of the 15 minute cycle, press the brake pedal and push and release the START/STOP ignition button.

The Remote Start system will turn the engine off if the Remote Start button on the key fob is pushed again, or if the engine is allowed to run for the entire 15 minute cycle. Once the ignition is placed in the ON/RUN position, the climate controls will resume the previously set operations (temperature, blower control, etc.).

NOTE:

- To avoid unintentional shutdowns, the system will disable for two seconds after receiving a valid Remote Start request.
- For vehicles equipped with the Keyless Enter 'n Go™ — Passive Entry feature, the message “Remote Start Active — Push Start Button” will display in the instrument cluster display until you push the START/STOP ignition button.

REMOTE START FRONT DEFROST ACTIVATION — IF EQUIPPED

When Remote Start is active, and the outside ambient temperature is 40°F (4.5°C) or below, the system will automatically activate front defrost for 15 minutes or less. The timing is dependent on the ambient temperature. Once the timer expires, the system will automatically adjust the settings depending on ambient conditions. See “Remote Start Comfort Systems — If Equipped” in the next section for detailed operation.

REMOTE START COMFORT SYSTEMS — IF EQUIPPED

When Remote Start is activated, the front and rear defrost will automatically turn on in cold weather conditions. The heated steering wheel and driver heated seat feature will turn on if programmed in the Comfort menu screen within Uconnect Settings ➡ page 189. In warm weather, the driver vented seat feature will automatically turn on when the Remote Start is activated and is programmed in the Comfort menu screen. The vehicle will adjust the climate control settings depending on the outside ambient temperature.

NOTE:

If the vehicle is equipped with a rear climate system, it will remain off to allow for optimal front row performance.

Automatic Temperature Control (ATC) — If Equipped

The climate controls will automatically adjust to the optimal temperature and mode setting depending on the outside ambient temperature. This will occur until the ignition is placed in the ON/RUN position where the climate controls will resume their previous settings.

Manual Temperature Control (MTC) — If Equipped

- In ambient temperatures of 40°F (4.5°C) or below, the climate settings will default to maximum heat, with fresh air entering the cabin. If the front defrost timer expires, the vehicle will enter Mix mode.
- In ambient temperatures from 40°F (4.5°C) to 78°F (26°C), the climate settings will be based on the last settings selected by the driver.
- In ambient temperatures of 78°F (26°C) or above, the climate settings will default to MAX A/C, Bi-Level mode, with Recirculation on.

For more information on ATC, MTC, and climate control settings, see ➡ page 48.

NOTE:

These features will stay on through the duration of Remote Start, or until the ignition is placed in the ON/RUN position. The climate control settings will change, and exit the automatic defaults, if manually adjusted by the driver while the vehicle is in Remote Start mode. This includes turning the climate controls off using the OFF button.

REMOTE START WINDSHIELD WIPER DE-ICER ACTIVATION — IF EQUIPPED

When Remote Start is active and the outside ambient temperature is less than 33°F (0.6°C), the Windshield Wiper De-Icer will activate. Exiting Remote Start will resume its previous operation. If the Windshield Wiper De-Icer was active, the timer and operation will continue.

REMOTE START ABORT MESSAGE

One of the following messages will display in the instrument cluster display if the vehicle fails to remote start, or exits Remote Start prematurely:

- Remote Start Canceled — Door Open
- Remote Start Canceled — Hood Open
- Remote Start Canceled — Tailgate Open
- Remote Start Canceled — Fuel Low
- Remote Start Canceled — Time Expired
- Remote Start Canceled — System Fault
- Remote Start Disabled — Start Vehicle to Reset

The instrument cluster display message stays active until the ignition is placed in the ON/RUN position.

VEHICLE SECURITY SYSTEM — IF EQUIPPED

The Vehicle Security system monitors the vehicle doors, hood, tailgate, and the Keyless Enter 'n Go™ Ignition for unauthorized operation. While the Vehicle Security system is armed, interior switches for door locks and tailgate release are disabled. If something triggers the alarm, the Vehicle Security system will provide the following audible and visible signals:

- The horn will pulse.
- The turn signals will flash.
- The Vehicle Security Light, located in the lower right corner of the instrument cluster display, will flash.

TO ARM THE SYSTEM

Follow these steps to arm the Vehicle Security system:

1. Make sure the vehicle's ignition is placed in the OFF position.
 - For vehicles equipped with Keyless Entry, make sure the vehicle's keyless ignition system is OFF.
2. Perform one of the following methods to lock the vehicle:
 - Push the lock button on the interior power door lock switch with the driver and/or passenger door open.
 - Push the lock button on the exterior Passive Entry door handle with a valid key fob available in the same exterior zone ➡ page 26.
 - Push the lock button on the key fob.
3. If any doors are open, close them.

TO DISARM THE SYSTEM

The Vehicle Security system can be disarmed using any of the following methods:

- Push the unlock button on the key fob.
- Grab the Passive Entry door handle to unlock the door ➡ page 26.
- Cycle the ignition out of the OFF position to disarm the system.

NOTE:

- The driver's door key cylinder cannot arm or disarm the Vehicle Security system. Use of the door key cylinder when the system is armed will sound the alarm when the door is opened.
- The Vehicle Security system remains armed when the power tailgate (if equipped) is opened using the tailgate button on the key fob.
- If Passive Entry (if equipped) is used to unlock the tailgate, the Vehicle Security system is disarmed and the rest of the vehicle doors will remain locked unless all doors are set to unlock on first press within Uconnect Settings.
- When the Vehicle Security system is armed, the interior power door lock switches will not unlock the doors.

The Vehicle Security system is designed to protect your vehicle. However, you can create conditions where the system will give you a false alarm. If one of the previously described arming sequences has occurred, the Vehicle Security system will arm regardless of whether you are in the vehicle or not. If you remain in the vehicle and open a door, the alarm will sound. If this occurs, disarm the Vehicle Security system.

If the Vehicle Security system is armed and the battery becomes disconnected, the Vehicle Security system will remain armed when the battery is reconnected; the exterior lights will flash, and the horn will sound. If this occurs, disarm the Vehicle Security system.

REARMING OF THE SYSTEM

If something triggers the alarm and no action is taken to disarm it, the Vehicle Security system will turn the horn off after a 29 second cycle (with five seconds between cycles and up to eight cycles if the trigger remains active) and then rearm itself.

SECURITY SYSTEM MANUAL OVERRIDE

The Vehicle Security system will not arm if you lock the doors using the manual door lock.

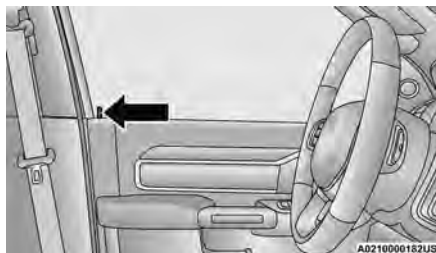
DOORS

MANUAL DOOR LOCKS

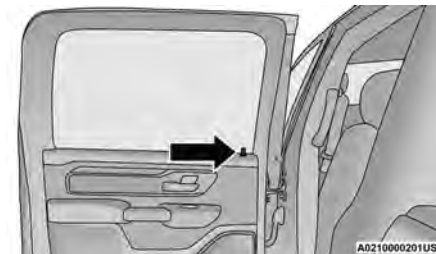
The power door locks can be manually locked from inside the vehicle by using the door lock knob. To lock each door, push the door lock knob on each door trim panel downward. To unlock the front doors, pull the inside door handle to the first detent. To unlock the rear doors, pull the door lock knob on the door trim panel upward. If the lock knob is down when the door is closed, the door will lock. Therefore, make sure the key fob is not inside the vehicle before closing the door.

NOTE:

Manually locking the vehicle will not arm the Vehicle Security system.



Front Door Lock Knob



Rear Door Lock Knob

WARNING!

- For personal security and safety in the event of a collision, lock the vehicle doors before you drive as well as when you park and leave the vehicle.
- When exiting the vehicle, always make sure the keyless ignition is in the OFF position, remove the key fob from the vehicle and lock your vehicle.

(Continued)

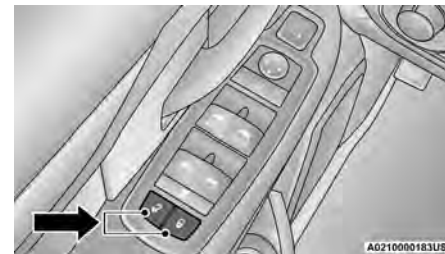
WARNING!

- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the gear selector.
- Do not leave the key fob in or near the vehicle, or in a location accessible to children, and do not leave the Keyless Enter 'n Go™ Ignition in the ACC or ON/RUN position. A child could operate power windows, other controls, or move the vehicle.

2

POWER DOOR LOCKS — IF EQUIPPED

The power door lock switches are located on each front door panel. Push the switch to lock or unlock the doors.



Power Door Lock Switches

The driver's door will unlock automatically if the key fob is detected inside the vehicle when the door lock button on the front door panel is used to lock the door. This will occur for two attempts. Upon the third attempt, the doors will lock even if the key fob is inside.

NOTE:

If the key fob is located next to a mobile phone, laptop, or other electronic device, the wireless signal may get blocked, and the driver's door may not unlock automatically.

If the door lock switch is pushed while the ignition is in ACC or ON/RUN and the driver's door is open, the doors will not lock.

If a rear door is locked, it cannot be opened from inside the vehicle without first unlocking the door. The door may be unlocked manually by raising the lock knob.

POWER SIDE STEPS — IF EQUIPPED

The Power Side Steps will extend a step for easier entry and exit of the vehicle.

When configured for Auto mode, the Power Side Steps will deploy when any of the doors are opened, or when the deploy setting is activated through the touchscreen. When configured for Store mode, the steps will not deploy unless the setting is selected manually through the Controls menu within the touchscreen.

If the vehicle speed exceeds 4 mph (7 km/h), or if the retract setting is selected within Uconnect Settings ➞ page 189, the steps will retract.

KEYLESS ENTER 'N GO™ — PASSIVE ENTRY

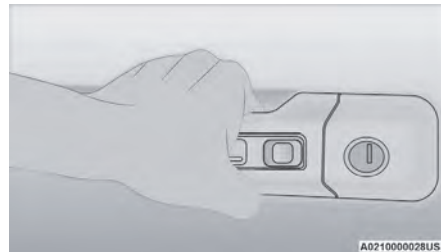
The Passive Entry system is an enhancement to the vehicle's key fob and a feature of Keyless Enter 'n Go™ — Passive Entry. This feature allows you to lock and unlock the vehicle's door(s) without having to push the key fob lock or unlock buttons.

NOTE:

- Passive Entry may be programmed on or off within Uconnect Settings ➞ page 189.
- The key fob may not be detected by the vehicle Passive Entry system if it is located next to a mobile phone, laptop, or other electronic device; these devices may block the key fob's wireless signal and prevent the Passive Entry system from locking/unlocking the vehicle.
- Passive Entry Unlock initiates illuminated approach (low beams, license plate lamp, position lamps) for whichever duration is set between 0, 30, 60 or 90 seconds. Passive Entry Unlock also initiates two flashes of the turn signals.
- If wearing gloves, if it has been raining/snowing, or if there is salt/dirt covering the Passive Entry door handle, the unlock sensitivity can be affected, resulting in a slower response time.
- The doors may unlock when water is sprayed on the Passive Entry door handles, if the key fob is located outside of the vehicle within 5 ft (1.5 m) of the handle.
- If the vehicle is unlocked by Passive Entry and no door is opened within 60 seconds, the vehicle will relock and (if equipped) will arm the Vehicle Security system.

To Unlock From The Driver Or Passenger Side

With a valid Passive Entry key fob within 5 ft (1.5 m) of the door handle, grab the handle to unlock the vehicle. Grabbing the driver's door handle will unlock the driver door automatically. Grabbing the passenger door handle will unlock all doors and the tailgate automatically.



Grab The Door Handle To Unlock

NOTE:

- Either the driver door only or all doors will unlock when you grab hold of the front driver's door handle, depending on the selected setting in the Uconnect system ➞ page 189.
- All doors will unlock when the front passenger door handle is grabbed regardless of the driver's door unlock preference setting.

Frequency Operated Button Integrated Key (FOBIK-Safe)

To minimize the possibility of unintentionally locking a Passive Entry key fob inside your vehicle, the Passive Entry system is equipped with an automatic door unlock feature which will function if the ignition is in the OFF position.

There are five situations that trigger a FOBIK-Safe search in any Passive Entry vehicle:

- A lock request is made by a valid Passive Entry key fob while a door is open.
- A lock request is made by the Passive Entry door handle while a door is open.
- A lock request is made by the door panel switch while the door is open.
- When the Vehicle Security system is in pre-arm or armed status and the tailgate transitions from open to closed.
- When the tailgate transitions from opened to closed and Remote Start is active.

When any of these situations occur, after all open doors are shut, the FOBIK-Safe search will be executed. If it detects a Passive Entry key fob inside the vehicle, the vehicle will unlock and alert the customer.

NOTE:

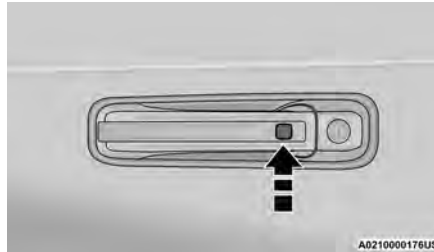
The vehicle will only unlock the doors when a valid Passive Entry key fob is detected inside the vehicle. The vehicle will not unlock the doors when any of the following conditions are true:

- The doors are manually locked using the door lock knobs.

- Three attempts are made to lock the doors using the door panel switch and then the doors are closed.
- There is a valid Passive Entry key fob outside the vehicle within 5 ft (1.5 m) of a Passive Entry door handle.

To Lock The Vehicle's Doors And Tailgate

With one of the vehicle's Passive Entry key fobs within 5 ft (1.5 m) of either front door handle, pushing the Passive Entry lock button will lock the vehicle.



Push The Door Handle Button To Lock

NOTE:

DO NOT grab the door handle when pushing the door handle lock button. This could unlock the door(s).



Do NOT Grab The Door Handle When Locking

NOTE:

- After pushing the door handle button, you must wait two seconds before you can lock or unlock the doors, using either Passive Entry door handle. This is done to allow you to check if the vehicle is locked by pulling the door handle without the vehicle unlocking.
- If Passive Entry is disabled using the Uconnect Settings, the key fob protection described in "Frequency Operated Button Integrated Key (FOBIK-Safe)" remains active/functional.
- The Passive Entry system will not operate if the key fob battery is depleted.
 - The LED light on the key fob will not blink if the key fob battery is low or fully depleted, but a low key fob battery condition will still support the Passive Entry system functionality. When the key fob battery is low, the instrument cluster will display a message indicating that the key fob battery is low.

AUTOMATIC UNLOCK DOORS ON EXIT — IF EQUIPPED

The doors will unlock automatically on vehicles with power door locks after the following sequence of actions:

1. The Automatic Unlock Doors On Exit feature is enabled within the Uconnect system.
2. All doors are closed.
3. The gear selector was not in PARK, then is placed in PARK.
4. Any door is opened.

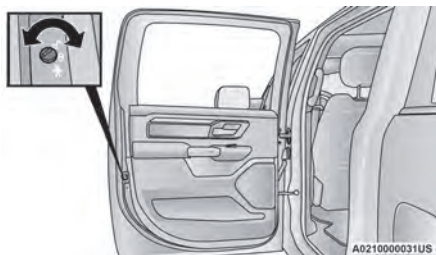
AUTOMATIC DOOR LOCKS — IF EQUIPPED

The auto door lock feature default condition is enabled. When enabled, the door locks will lock automatically when the vehicle speed exceeds 15 mph (24 km/h). The auto door lock feature is enabled/disabled in the Uconnect Settings ➔ page 189.

CHILD-PROTECTION DOOR LOCK SYSTEM — REAR DOORS

To provide a safer environment for small children riding in the rear seats, the rear doors are equipped with a Child-Protection Door Lock system.

To use the system, open each rear door, use a flat-blade screwdriver, and rotate the dial to the lock or unlock position. When the system on a door is engaged, that door can only be opened by using the outside door handle even if the inside door lock is in the unlocked position.



Child Lock Control

NOTE:

- When the Child-Protection Door Lock system is engaged, the door can be opened only by using the outside door handle even though the inside door lock is in the unlocked position.
- After disengaging the Child-Protection Door Lock system, always test the door from the inside to make certain it is in the unlocked position.
- After engaging the Child-Protection Door Lock system, always test the door from the inside to make certain it is in the locked position.
- For emergency exit with the system engaged, pull up on the door lock knob (unlocked position), lower the window, and open the door with the outside door handle.

WARNING!

Avoid trapping anyone in the vehicle in a collision. Remember that the rear doors cannot be opened from the inside door handle when the Child Protection Door Locks are engaged.

NOTE:

Always use this device when carrying children. After engaging the Child-Protection Door Lock system on both rear doors, check for effective engagement by trying to open a door with the internal handle. Once the Child-Protection Door Lock system is engaged, it is impossible to open the doors from inside the vehicle. Before getting out of the vehicle, be sure to check that there is no one left inside.

STEERING WHEEL

TILT/TELESCOPING STEERING COLUMN

This feature allows you to tilt the steering column upward or downward. It also allows you to lengthen or shorten the steering column. The tilt/telescoping lever is located on the steering column, below the multifunction lever.



Tilt/Telescoping Lever

To unlock the steering column, push the control downward (toward the floor). To tilt the steering column, move the steering wheel upward or downward as desired. To lengthen or shorten the steering column, pull the steering wheel outward or push it inward as desired. To lock the steering column in position, push the control upward until fully engaged.

WARNING!

Do not adjust the steering column while driving. Adjusting the steering column while driving or driving with the steering column unlocked, could cause the driver to lose control of the vehicle. Failure to follow this warning may result in serious injury or death.

HEATED STEERING WHEEL — IF EQUIPPED



The steering wheel contains a heating element that helps warm your hands in cold weather. The heated steering wheel has only one temperature setting. Once the heated steering wheel has been turned on, it will stay on until the operator turns it off. The heated steering wheel may not turn on when it is already warm.

The heated steering wheel button is located within the Uconnect system and, if equipped, on the instrument panel below the radio. You can access the button through the Climate or Controls menu of the touchscreen.

- Press the heated steering wheel button once to turn the heating element on.
- Press the heated steering wheel button a second time to turn the heating element off.

NOTE:

The engine must be running for the heated steering wheel to operate.

For information on use with the Remote Start system, see ➞ page 23.

WARNING!

- Persons who are unable to feel pain to the skin because of advanced age, chronic illness, diabetes, spinal cord injury, medication, exhaustion, or other physical conditions must exercise care when using the steering wheel heater. It may cause burns even at low temperatures, especially if used for long periods.

(Continued)

WARNING!

- Do not place anything on the steering wheel that insulates against heat, such as a blanket or steering wheel covers of any type or material. This may cause the steering wheel heater to overheat.

2

DRIVER MEMORY SETTINGS — IF EQUIPPED

This feature allows the driver to save up to two different memory profiles for easy recall through a memory switch. Each memory profile saves desired position settings for the following features:

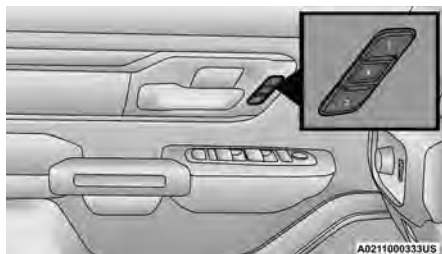
- Driver's seat
- Easy Entry/Exit seat operation (if equipped)
- Adjustable pedals (if equipped)
- Side mirrors

NOTE:

Your vehicle is equipped with two key fobs, each can be linked to either memory position 1 or 2.

The driver memory settings switch is located on the driver door, next to the door handle, and consists of three buttons:

- The set (S) button, which is used to activate the memory save function.
- The (1) and (2) buttons which are used to recall either of two saved memory profiles.



Memory Settings Switch

PROGRAMMING THE MEMORY FEATURE

To create a new memory profile, perform the following:

NOTE:

Saving a new memory profile will erase the selected profile from memory.

1. Place the vehicle's ignition in the ON/RUN position (do not start the engine).
2. Adjust all memory profile settings to desired preferences (i.e., driver's seat, outside mirrors, adjustable pedals (if equipped), and radio station presets).
3. Push the set (S) button on the memory switch, and then push the desired memory button (1 or 2) within five seconds. The instrument cluster display will display which memory position has been set.

NOTE:

Memory profiles can be set without the vehicle in PARK, but the vehicle must be in PARK to recall a memory profile.

LINKING AND UNLINKING THE KEY FOB TO MEMORY

Your key fob can be programmed to recall one of two saved memory profiles.

NOTE:

Before programming your key fob you must select the "Personal Settings Linked to Key Fob" feature through the Uconnect system ➔ page 189.

To program your key fob, perform the following:

1. Place the vehicle's ignition in the OFF position.
2. Select a desired memory profile 1 or 2.
3. Once the profile has been recalled, push and release the set (S) button on the memory switch.
4. Push and release button (1) or (2) accordingly. "Memory Profile Set" (1 or 2) will display in the instrument cluster.
5. Push and release the lock button on the key fob within 10 seconds.

NOTE:

Your key fob can be unlinked from your memory settings by pushing the set (S) button, followed by pushing the unlock button on the key fob within 10 seconds.

MEMORY POSITION RECALL

NOTE:

If a recall is attempted when the vehicle is not in PARK, a message will display in the instrument cluster display.

To recall the memory settings for driver one or two, push the desired memory button number (1 or 2) or the unlock button on the key fob linked to the desired memory position.

A recall can be canceled by pushing any of the memory buttons (S, 1, or 2) during a recall. When a recall is canceled, the driver seat will stop moving. A delay of one second will occur before another recall can be selected.

SEATS

Seats are a part of the Occupant Restraint system of the vehicle.

WARNING!

- It is dangerous to ride in a cargo area, inside or outside of a vehicle. In a collision, people riding in these areas are more likely to be seriously injured or killed.
- Do not allow people to ride in any area of your vehicle that is not equipped with seats and seat belts. In a collision, people riding in these areas are more likely to be seriously injured or killed.
- Be sure everyone in your vehicle is in a seat and using a seat belt properly.

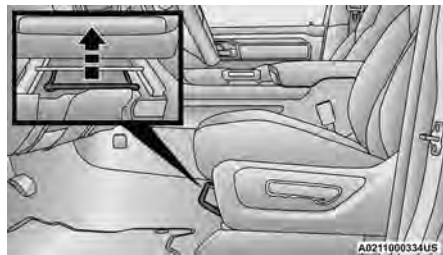
MANUAL ADJUSTMENT FRONT SEATS — IF EQUIPPED

WARNING!

- Adjusting a seat while the vehicle is moving is dangerous. The sudden movement of the seat could cause you to lose control. The seat belt might not be adjusted properly and you could be injured. Adjust the seat only while the vehicle is parked.
- Do not ride with the seatback reclined so that the shoulder belt is no longer resting against your chest. In a collision you could slide under the seat belt and be seriously or even fatally injured. Use the recliner only when the vehicle is parked.

Manual Front Seat Forward/Rearward Adjustment

Both front seats are adjustable forward or rearward. The manual seat adjustment handle is located under the seat cushion at the front edge of each seat.



Manual Seat Adjustment Bar

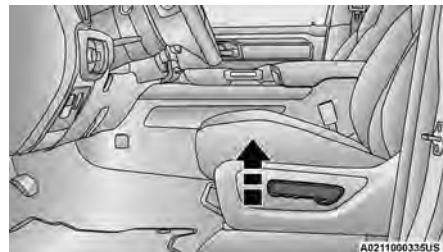
While sitting in the seat, pull up on the handle and slide the seat forward or rearward. Release the bar once you have reached the desired position. Then, using body pressure, move forward and rearward on the seat to be sure that the seat adjusters have latched.

WARNING!

- Adjusting a seat while driving may be dangerous. Moving a seat while driving could result in loss of control which could cause a collision and serious injury or death.
- Seats should be adjusted before fastening the seat belts and while the vehicle is parked. Serious injury or death could result from a poorly adjusted seat belt.

Manual Front Seat Recline Adjustment

The recline lever is located on the outboard side of the seat. To recline the seat, lean forward slightly, lift the lever, lean back to the desired position and release the lever. To return the seatback to its normal upright position, lean forward and lift the lever. Release the lever once the seatback is in the upright position.



Manual Recline Lever

WARNING!

- Do not stand or lean in front of the seat while actuating the handle. The seatback may swing forward and hit you causing injury.
- To avoid injury, place your hand on the seatback and actuate the handle, then position the seatback in the desired position.

Front Bench Seat — If Equipped

The seat is divided into three segments. The outboard seat portions are each 40% of the total width of the seat. If equipped, the back of the center portion (20%) easily folds down to provide an armrest/center storage compartment.



Center Portion Of Front Bench Seat



Center Portion Folded Forward

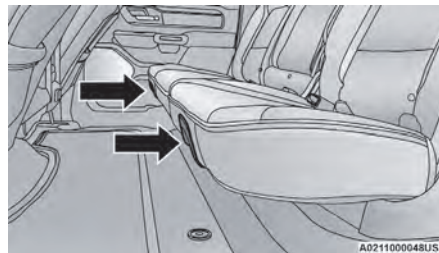
MANUAL ADJUSTMENT REAR SEATS

WARNING!

Do not place luggage or cargo higher than the top of the seatback. This could impair visibility or become a dangerous projectile in a sudden stop or collision.

Reclining Rear Seats — If Equipped

The recliner handle is located on the front of the rear outboard seat cushions. To adjust the seatback, lift upward on the handle, and slide the seat bottom forward. The lower portion of the seatback will tilt rearward. When you reach the desired position, release the handle.



Rear Seat Recliner Handle Locations

NOTE:

This feature is not available if vehicle is equipped with rear bench seat.

WARNING!

Do not ride with the seatback reclined so that the shoulder belt is no longer resting against your chest. In a collision you could slide under the seat belt, which could result in serious injury or death.

Second Row 60/40 Folding Seat

To provide additional storage area, each rear seat can be folded up. This allows for extended cargo space, and can still maintain some rear seating room if needed.

Lift upward on one, or both portions of the seat cushion until it is flat against the seatback.

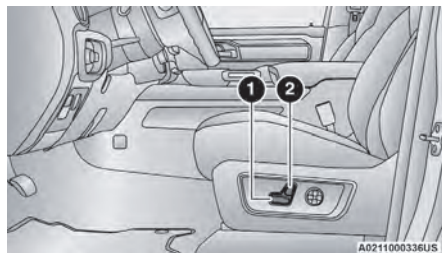


Rear Seats Folded

Fold the seat cushion down into its original position by pushing the seat cushion downward into place.

POWER ADJUSTMENT FRONT SEATS — IF EQUIPPED

Some models may be equipped with eight-way power driver and passenger seats. The power seat switches are located on the outboard side of the driver and passenger seat cushions. There are two power seat switches that are used to control the movement of the seat cushion and the seatback.



Power Seat Switches

- 1 — Power Seat Switch
2 — Power Seatback Switch

Adjusting The Seat Forward Or Rearward

The seat can be adjusted both forward and rearward by using the power seat switch. The seat will move in the direction of the switch. Release the switch when the desired position has been reached.

Adjusting The Seat Up Or Down

The height of the seats can be adjusted up or down by using the power seat switch. The seat will move in the direction of the switch. Release the switch when the desired position has been reached.

Tilting The Seat Up Or Down

The angle of the seat cushion can be adjusted up or down using the power seat switch. The front of the seat cushion will move in the direction of the switch. Release the switch when the desired position has been reached.

Reclining The Seatback

The angle of the seatback can be adjusted forward or rearward by using the power seat switch. The seat will move in the direction of the switch. Release the switch when the desired position is reached.

WARNING!

- Adjusting a seat while driving may be dangerous. Moving a seat while driving could result in loss of control which could cause a collision and serious injury or death.
- Seats should be adjusted before fastening the seat belts and while the vehicle is parked. Serious injury or death could result from a poorly adjusted seat belt.
- Do not ride with the seatback reclined so that the shoulder belt is no longer resting against your chest. In a collision you could slide under the seat belt, which could result in serious injury or death.

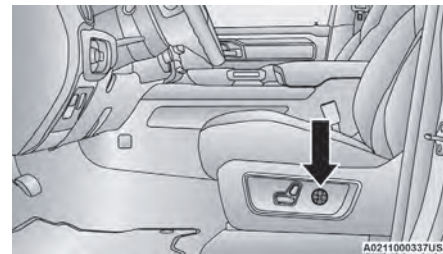
CAUTION!

Do not place any article under a power seat or impede its ability to move as it may cause damage to the seat controls. Seat travel may become limited if movement is stopped by an obstruction in the seat's path.

2

Power Lumbar — If Equipped

Vehicles equipped with power driver or passenger seats may also be equipped with a 2-way or a 4-way power lumbar adjustment. The power lumbar switch is located on the outboard side of the power seat. Push the switch forward to increase the lumbar support. Push the switch rearward to decrease the lumbar support. If equipped with a 4-way adjustment, pushing upward or downward on the switch will raise and lower the position of the support.



Power Lumbar Switch

Easy Entry/Exit Seat — If Equipped

This feature provides automatic driver's seat positioning to enhance driver mobility when entering and exiting the vehicle.

The distance the driver's seat moves depends on where you have the driver's seat positioned when you place the vehicle's ignition in the OFF position.

- When you place the vehicle's ignition in the OFF position, the driver's seat will move about 2.4 inches (6 cm) rearward if the driver's seat position is greater than or equal to 2.7 inches (6.77 cm) forward of the rear stop. The seat will return to its previously set position when you place the ignition into the ACC or ON/RUN position.
- When you remove the key fob from the ignition, the driver's seat will move to a position 0.3 inches (0.77 cm) forward of the rear stop if the driver's seat position is between 0.9 inches and 2.7 inches (2.27 cm and 6.77 cm) forward of the rear stop. The seat will return to its previously set position when you place the ignition to the ACC or ON/RUN position.
- The Easy Entry/Easy Exit feature is disabled when the driver's seat position is less than 0.9 inches (2.27 cm) forward of the rear stop. At this position, there is no benefit to the driver by moving the seat for Easy Exit or Easy Entry.

When enabled in Uconnect Settings, Easy Entry and Easy Exit positions are stored in each memory setting profile ➔ page 29.

NOTE:

The Easy Entry/Exit feature is enabled or disabled through the programmable features in the Uconnect system ➔ page 189.

HEATED SEATS — IF EQUIPPED

WARNING!

- Persons who are unable to feel pain to the skin because of advanced age, chronic illness, diabetes, spinal cord injury, medication, exhaustion or other physical condition must exercise care when using the seat heater. It may cause burns even at low temperatures, especially if used for long periods of time.
- Do not place anything on the seat or seatback that insulates against heat, such as a blanket or cushion. This may cause the seat heater to overheat. Sitting in a seat that has been overheated could cause serious burns due to the increased surface temperature of the seat.

Front Heated Seats — If Equipped



The heated seat control buttons are located on the center stack below the radio screen, or within the Uconnect system.

- Press the heated seat button once to turn the HI setting on.
- Press the heated seat button a second time to turn the MED setting on.
- Press the heated seat button a third time to turn the LO setting on.
- Press the heated seat button a fourth time to turn the heating elements off.

NOTE:

- Once a heat setting is selected, heat will be felt within two to five minutes.
- The engine must be running for the heated seats to operate.
- The level of heat selected will stay on until the operator changes it.

For information on use with the Remote Start system, see ➔ page 23.

Rear Heated Seats — If Equipped



On some models, the two rear outboard seats may be equipped with heated seats. There are two heated seat switches that allow the rear passengers to operate the seats independently. The heated seat switches for each heater are located on the rear of the center console.

You can choose from HI, MED, LO, or OFF heat settings. Indicator lights in each switch indicate the level of heat in use.

- Push the heated seat button once to turn the HI setting on.
- Push the heated seat button a second time to turn the MED setting on.
- Push the heated seat button a third time to turn the LO setting on.
- Push the heated seat button a fourth time to turn the heating elements off.

NOTE:

The level of heat selected will stay on until the operator changes it.

VENTILATED SEATS — IF EQUIPPED

Front Ventilated Seats



The ventilated seat control buttons are located on the center stack below the radio screen, or within the Uconnect system. The fans operate at three speeds: HI, MED and LO.

- Press the ventilated seat button once to choose HI.
- Press the ventilated seat button a second time to choose MED.
- Press the ventilated seat button a third time to choose LO.
- Press the ventilated seat button a fourth time to turn the ventilation off.

NOTE:

The engine must be running for the ventilated seats to operate.

For information on use with the Remote Start system, see ➞ page 23.

Rear Ventilated Seats — If Equipped



If equipped, the two outboard rear seats will have ventilated seats. The rear ventilated seat control switches are located on the rear of the center console.

The fans operate at three speeds: HI, MED, and LO. Push the ventilated seat buttons to toggle through the speeds, or to turn the feature off.

NOTE:

The engine must be running for the ventilated seats to operate.

PLASTIC GROCERY BAG RETAINERS — IF EQUIPPED

Retainer hooks which will hold plastic grocery bag handles are attached to the underside of the rear seat cushion. To access these hooks, lift the rear seat cushion upward.

HEAD RESTRAINTS

Head restraints are designed to reduce the risk of injury by restricting head movement in the event of a rear impact. Head restraints should be adjusted so that the top of the head restraint is located above the top of your ear.

WARNING!

- All occupants, including the driver, should not operate a vehicle or sit in a vehicle's seat until the head restraints are placed in their proper positions in order to minimize the risk of neck injury in the event of a crash.
- Head restraints should never be adjusted while the vehicle is in motion. Driving a vehicle with the head restraints improperly adjusted or removed could cause serious injury or death in the event of a collision.

NOTE:

Do not reverse the head restraints (making the rear of the head restraint face forward) in an attempt to gain additional clearance to the back of your head.

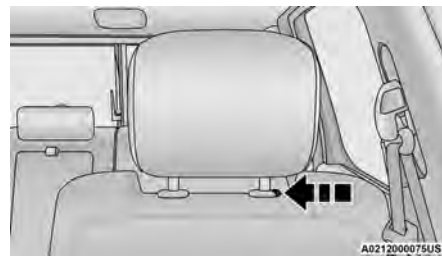
Front Head Restraints

Your vehicle is equipped with front four-way driver and passenger head restraints.

To raise the head restraint, pull upward on the head restraint. To lower the head restraint, push the adjustment button, located at the base of the head restraint, and push downward on the head restraint.

NOTE:

The head restraints should only be removed by qualified technicians, for service purposes only. If either of the head restraints require removal, see an authorized dealer.



Head Restraint Adjustment Button Location

To adjust the head restraint forward, pull the top of the head restraint toward the front of the vehicle as desired and release. To adjust the head restraint rearward, pull the top of the head restraint to the forward most position and release. The head restraint will return to the rear most position.



Upright Position



Forward Adjustment

NOTE:

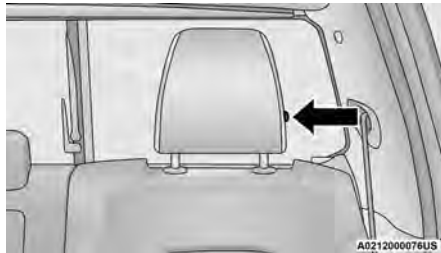
If your vehicle is equipped with a front bench seat, the center head restraint is not adjustable or removable.

WARNING!

- All occupants, including the driver, should not operate a vehicle or sit in a vehicle's seat until the head restraints are placed in their proper positions in order to minimize the risk of neck injury in the event of a crash.
- Head restraints should never be adjusted while the vehicle is in motion. Driving a vehicle with the head restraints improperly adjusted or removed could cause serious injury or death in the event of a collision.

Rear Head Restraints

The outboard head restraints are non-adjustable, but can be folded down for improved rearward visibility. Push the button on the outboard side of the head restraint to release. To return the head restraint to its upright position, push up on the head restraint until it locks back into place.



Release Button

WARNING!

Sitting in a seat with the head restraint in its lowered position could result in serious injury or death in a collision. Always make sure the outboard head restraints are in their upright positions when the seat is to be occupied.

The center head restraint is not adjustable or removable.

NOTE:

The head restraints should only be removed by qualified technicians, for service purposes only. If any of the head restraints require removal, see an authorized dealer.

For child restraint tethering, see ➞ page 247.


**UCONNECT VOICE RECOGNITION —
IF EQUIPPED****INTRODUCING VOICE
RECOGNITION**

Start using Uconnect Voice Recognition with these helpful quick tips. It provides the key Voice Commands and tips you need to know to control your vehicle's Voice Recognition (VR) system. This system is only available on the Uconnect 5 NAV With 8.4-inch Display and the Uconnect 5 NAV With 12-inch Display.

If you see the NAV icon on the bottom bar or in the Apps menu of your 8.4-inch touchscreen, you have the Uconnect 5 NAV system. If not, you have a Uconnect 5 with 8.4-inch display system.

BASIC VOICE COMMANDS

The following basic Voice Commands can be given at any point while using your Uconnect system.

Push the VR button  or for the Uconnect 5/5 NAV, say the vehicle's "Wake Up" word, "Hey Uconnect". After the beep, say:


- **"Cancel"** to stop a current voice session.
- **"Help"** to hear a list of suggested Voice Commands.
- **"Repeat"** to listen to the system prompts again.

Notice the visual cues that inform you of your Voice Recognition system's status.

NOTE:

On Uconnect 5 systems, the factory default "Wake Up" word is set to "Hey Uconnect" and can be reprogrammed through the Uconnect Settings.

GET STARTED

The  VR button is used to activate/deactivate your Voice Recognition system.

Helpful hints for using Voice Recognition:

1. Visit UconnectPhone.com to check mobile device and feature compatibility and to find phone pairing instructions.
2. Reduce background noise. Wind noise and passenger conversations are examples of noise that may impact recognition.
3. Speak clearly at a normal pace and volume while facing straight ahead. The microphone is located in the headliner and aimed at the driver.

4. Each time you give a Voice Command, you must first push either the VR or Phone button, wait until after the beep, then say your Voice Command. You can also say the vehicle "Wake Up" word and state your command. Some examples of "Wake Up" words include "Hey Uconnect" or "Hey Ram".
5. You can interrupt the help message or system prompts by pushing the VR or Phone button and saying a Voice Command from the current category.



Uconnect Voice Command Buttons

1 — For The Uconnect 5/5 NAV System Vehicles Equipped With Navigation: Push The Phone Button To Begin Radio, Media, Navigation, Climate, Start Or Answer A Phone Call, And Send Or Receive A Text

1 — For The Uconnect 5/5 NAV System Vehicles Not Equipped With Navigation: Push The Phone Button To Answer An Incoming Phone Call

2 — Push The Hang Up Button To End A Call Currently In Progress

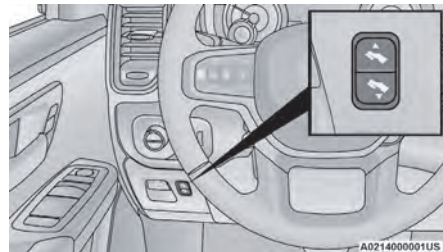
ADDITIONAL INFORMATION

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DRIVER ADJUSTABLE PEDALS — IF EQUIPPED

The adjustable pedals system is designed to allow a greater range of driver comfort for steering wheel tilt and seat position. This feature allows the brake and accelerator pedals to move toward or away from the driver to provide improved position with the steering wheel.

The adjustable pedal switch is located on the instrument panel, below the headlight switch.




Adjustable Pedals Switch

The pedals **cannot** be adjusted when the vehicle is in REVERSE or when the Cruise Control system or Adaptive Cruise Control system is on. If there is an attempt to adjust the pedals when the system is locked out, one of the following messages will appear (on vehicles equipped with an instrument cluster):

- Adjustable Pedal Disabled — Cruise Control Engaged
- Adjustable Pedal Disabled — Vehicle In Reverse

NOTE:

- Always adjust the pedals to a position that allows full movement of the pedal.
- Further small adjustments may be necessary to find the best possible seat/pedal position.
- For vehicles equipped with Driver Memory Settings  page 29, you can use your key fob or the memory switch on the driver's door trim panel to return the adjustable pedals to saved positions.

WARNING!

- Do not adjust the pedals while the vehicle is moving. You could lose control and have an accident. Always adjust the pedals while the vehicle is parked.
- Do not allow anything to be placed under the adjustable pedals that could impede their movement. Failure to follow this warning could interfere with the accelerator, brake, or clutch pedals and cause damage to the pedals or a loss of control which could result in serious injury or death.

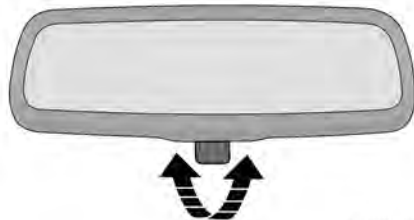
MIRRORS

INSIDE REARVIEW MIRROR

Manual Mirror — If Equipped

The mirror head can be adjusted up, down, left, and right. The mirror should be adjusted to center on the view through the rear window.

Headlight glare from vehicles behind you can be reduced by moving the small control under the mirror to the night position (toward the rear of the vehicle). The mirror should be adjusted while set in the day position (toward the windshield).



Adjusting Rearview Mirror

Automatic Dimming Mirror — If Equipped

The rearview mirror can be adjusted up, down, left, and right. The mirror should be adjusted to center on the view through the rear window.

This mirror automatically adjusts for headlight glare from vehicles behind you.

NOTE:

The Automatic Dimming Mirror feature is disabled when the vehicle is in REVERSE to improve the driver's rear view.

The Automatic Dimming feature can be turned on or off through the touchscreen.



Automatic Dimming Mirror

CAUTION!

To avoid damage to the mirror during cleaning, never spray any cleaning solution directly onto the mirror. Apply the solution onto a clean cloth and wipe the mirror clean.

Digital Rearview Mirror — If Equipped

The Digital Rearview Mirror provides a high definition, wide and unobstructed view of the road behind while driving.

Position the mirror in the regular Automatic Dimming Mirror mode, then activate the Digital Rearview Mirror mode.

To activate the Digital Rearview Mirror, pull the on/off control lever on the bottom of the mirror rearward toward the driver.



Digital Rearview Mirror

- 1 — On/Off Control/Toggle
- 2 — Menu Button
- 3 — Left Scroll Button
- 4 — Right Scroll Button

Push the menu button next to the on/off control/toggle to access the following mirror options:

- Brightness
- Tilt

Use the left and right buttons to scroll through menu options.

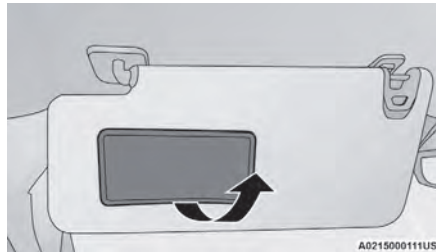
When not in use, push the on/off forward toward the windshield to return the mirror to the regular Automatic Dimming Mirror.

NOTE:

The Digital Rearview Mirror is not as effective during nighttime driving in low light applications due to low ambient light levels. In the event that it provides the user with less than expected vision, the mirror can be reverted to a normal reflective Automatic Dimming Mirror by pushing the control/toggle forward in the vehicle and putting the mirror into Automatic Dimming Mirror mode.

ILLUMINATED VANITY MIRROR

To access an illuminated vanity mirror, flip down one of the visors and lift the cover.

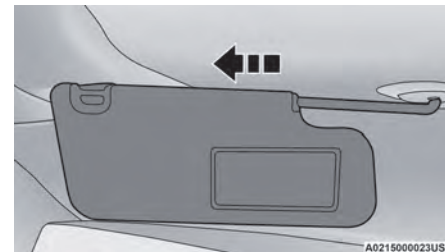


Lift Cover For Illuminated Mirror

Slide-On-Rod Features Of Sun Visor — If Equipped

The sun visor Slide-On-Rod feature allows for additional flexibility in positioning the sun visor to block out the sun.

1. Fold down the sun visor.
2. Unclick the visor from the corner clip.
3. Pivot the sun visor toward the side window.
4. Extend the sun visor for additional sun blockage.



Slide-On-Rod Extender

NOTE:

The sun visor can also be extended while the sun visor is against the windshield for additional sun blockage through the front of the vehicle.

OUTSIDE MIRRORS

The outside mirror(s) can be adjusted to the center of the adjacent lane of traffic to achieve the optimal view.

NOTE:

If your vehicle is equipped with puddle lamps under the outside mirrors, they can be turned off through the Uconnect system → page 189.

WARNING!

Vehicles and other objects seen in an outside convex mirror will look smaller and farther away than they really are. Relying too much on side convex mirrors could cause you to collide with another vehicle or other object. Use your inside mirror when judging the size or distance of a vehicle seen in a side convex mirror.

Outside Mirrors Folding Feature

All outside mirrors are hinged and may be moved either forward or rearward to resist damage. The hinges have three detent positions:

- Full forward position
- Full rearward position
- Normal position

CAUTION!

It is recommended to fold the mirrors into the full rearward position to resist damage when entering a car wash or a narrow location.

OUTSIDE AUTOMATIC DIMMING MIRRORS — IF EQUIPPED

The driver's outside mirror will automatically dim for glare from vehicles behind you. This feature is controlled by the inside automatic dimming mirror. The mirrors will automatically adjust for headlight glare when the inside mirror adjusts.

OUTSIDE MIRRORS WITH TURN SIGNAL AND APPROACH LIGHTING — IF EQUIPPED

Driver and passenger outside mirrors with turn signal and approach lighting contain LEDs, which are located in the lower outer corner of each mirror.

The outer LEDs are turn signal indicators, which flash with the corresponding turn signal lights in the front and rear of the vehicle. Turning on the Hazard Warning flashers will also activate these LEDs.

The approach lighting, which turns on in both mirrors when you use the key fob or open any door is located on the underside of the mirror.

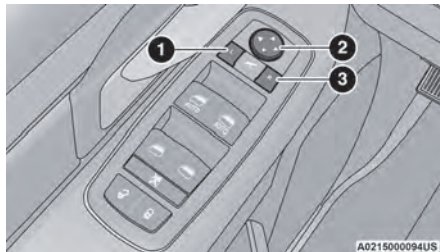
The illuminated entry lighting fades to off after about 30 seconds or it will fade to off immediately once the ignition is placed in the ON/RUN position.

NOTE:

The approach lighting will not function when the gear selector is moved out of the PARK position.

POWER MIRRORS

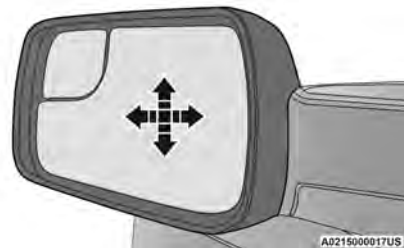
The power mirror switch is located on the driver's side door trim panel.



Power Mirror Controls

- 1 — Left Mirror Selection
- 2 — Mirror Direction Control
- 3 — Right Mirror Selection

The power mirror controls consist of mirror select buttons and a four-way mirror control switch. To adjust a mirror, push the mirror select button for the mirror that you want to adjust. Using the mirror control switch, push on any of the four arrows for the direction that you want the mirror to move.



Power Mirror Movement

Power mirror preselected positions can be controlled by the optional Driver Memory Settings feature
 ➞ page 29.

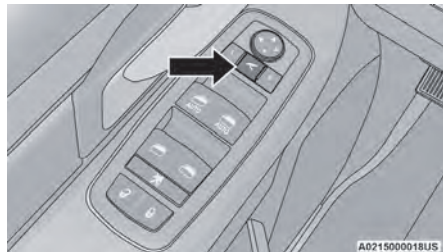
POWER FOLDING OUTSIDE MIRRORS — IF EQUIPPED

The power folding mirrors can be folded rearward and unfolded into the normal driving position.

The switch for the power folding mirrors is located between the power mirror switches L (left) and R (right). Push the switch once and the mirrors will fold in, push the switch a second time and the mirrors will return to the normal driving position.

If the mirror is manually folded after a powered cycle, a potential extra button push is required to get the mirrors back to the normal driving position. If the mirror

does not fold automatically, check for ice or dirt buildup at the pivot area, which can cause excessive drag.



Power Folding Mirror Switch

Resetting The Power Folding Outside Mirrors

You may need to reset the power folding mirrors if the following occurs:

- The mirrors are accidentally blocked while folding.
- The mirrors are accidentally manually folded/unfolded (by hand or by pushing the power folding mirror switch).
- The mirrors come out of the unfolded position.
- The mirrors shake and vibrate at normal driving speeds.

To reset the power folding mirrors: Fold and unfold them by pushing the button (this may require multiple attempts). This resets them to their normal driving position.

TRAILER TOWING MIRRORS — IF EQUIPPED

These mirrors are designed with an adjustable mirror head to provide a greater vision range when towing extra-wide loads. To change position inboard or outboard, the mirror head should be rotated (flipped in or out).

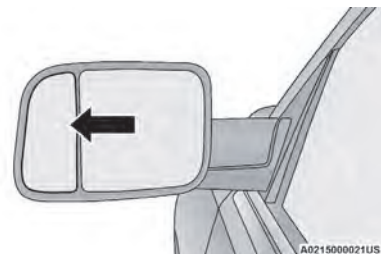


Trailer Towing Position

NOTE:

Fold the trailer towing mirrors prior to entering an automated car wash.

A small blindspot mirror is located next to the main mirror and can be adjusted manually.



Blindspot Mirror

HEATED MIRRORS — IF EQUIPPED



These mirrors are heated to melt frost or ice. This feature will be activated whenever you turn on the rear window defroster (if equipped) ➞ page 48.

NOTE:

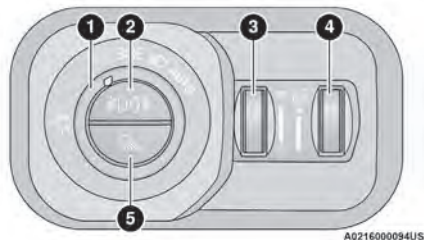
If equipped, mirrors may be installed with Electrochromic (EC) glass. EC glass may defrost slower than non-EC glass due to the thickness of the material.

EXTERIOR LIGHTS

HEADLIGHT SWITCH

The headlight switch is located on the left side of the instrument panel. This switch controls the operation of the headlights, parking lights, automatic headlights (if equipped), instrument panel light dimming, cargo light/trailer spotter lights (if equipped), and fog lights (if equipped).

For TRX Models: The headlight switch also controls the clearance lamps and the front and rear identification lamps. The clearance lamps and the front and rear identification lamps will turn on when the switch is in the On, AUTO, or parking lights position. These lamps are activated to allow other drivers to spot and identify the vehicle.



Headlight Switch

- 1 — Rotate Headlight Control
- 2 — Push Front/Rear Fog Light Switch
- 3 — Ambient Light Dimmer Control
- 4 — Instrument Panel Dimmer Control
- 5 — Push Cargo Light Switch

To turn on the headlights, rotate the headlight switch clockwise. When the headlight switch is on, the parking lights, taillights, license plate light and instrument panel lights are also turned on. To turn off the headlights, rotate the headlight switch back to the O (off) position.

CAUTION!

Do not use abrasive cleaning components, solvents, steel wool or other abrasive materials to clean the lenses.

NOTE:

- Your vehicle is equipped with plastic headlight and fog light (if equipped) lenses that are lighter and less susceptible to stone breakage than glass lights. Plastic is not as scratch resistant as glass and therefore different lens cleaning procedures must be followed.
- To minimize the possibility of scratching the lenses and reducing light output, avoid wiping with a dry cloth. To remove road dirt, wash with a mild soap solution followed by rinsing.

MULTIFUNCTION LEVER

The multifunction lever is located on the left side of the steering column.




Multifunction Lever

DAYTIME RUNNING LIGHTS (DRLS)

The Daytime Running Lights (DRLs) come on whenever the engine is running, and the low beams are not on. The lights will remain on until the ignition is placed in the OFF or ACC position, or the parking brake is engaged.

NOTE:

- If allowed by law in the country in which the vehicle was purchased, the Daytime Running Lights can be turned on and off using the Uconnect system  page 189.
- On some vehicles, the Daytime Running Lights may deactivate, or reduce intensity, on one side of the vehicle (when a turn signal is activated on that side), or on both sides of the vehicle (when the hazard warning lights are activated).

HIGH/LOW BEAM SWITCH

Push the multifunction lever toward the instrument panel to switch the headlights to high beams. Pulling the multifunction lever back will turn the low beams on.

AUTOMATIC HIGH BEAM HEADLAMP CONTROL — IF EQUIPPED

The Automatic High Beam Headlamp Control system provides increased forward lighting at night by automating high beam control through the use of a camera mounted on the inside rearview mirror or a windshield mounted camera. These cameras detect vehicle specific light and automatically switch from high beams to low beams until the approaching vehicle is out of view.

NOTE:

- The Automatic High Beam Headlamp Control can be turned on or off by selecting “ON” under “Auto Dim High Beams” within your Uconnect Settings ➔ page 189, as well as turning the headlight switch to the AUTO position.
- Broken, muddy, or obstructed headlights and tail-lights of vehicles in the field of view will cause headlights to remain on longer (closer to the vehicle). Also, dirt, film, and other obstructions on the windshield or camera lens will cause the system to function improperly.
- If the windshield or Automatic High Beam Headlamp Control mirror is replaced, the mirror must be re-aimed to ensure proper performance. See a local authorized dealer.
- To opt out of the Advanced Auto High Beam Sensitivity Control (default) and enter Reduced High Beam Sensitivity Control (not recommended), toggle the high beam lever six full on/off cycles within 10 seconds of placing the ignition in the ON position. The system will return to the default setting upon placing the ignition in the OFF position.

FLASH-TO-PASS

You can signal another vehicle with your headlights by lightly pulling the multifunction lever toward you. This will cause the high beam headlights to turn on, and remain on, until the lever is released.

**AUTOMATIC HEADLIGHTS —
IF EQUIPPED**

This system automatically turns the headlights on or off according to ambient light levels. To turn the system on, rotate the headlight switch to the AUTO position.

When the system is on, the Headlight Delay feature is also on. This means the headlights will stay on for up to 90 seconds after you place the ignition into the OFF position. To turn the automatic headlights off, turn the headlight switch out of the AUTO position.

NOTE:

The engine must be running before the headlights will turn on in the Automatic Mode.

**PARKING LIGHTS AND PANEL
LIGHTS**

To turn on the parking lights and instrument panel lights, rotate the headlight switch clockwise. To turn off the parking lights, rotate the headlight switch back to the O (off) position.

**AUTOMATIC HEADLIGHTS WITH
WIPERS**

If your vehicle is equipped with Automatic Headlights, it also has this customer-programmable feature. When your headlights are in the automatic mode and the engine is running, they will automatically turn on when the wiper system is on. This feature is programmable through the Uconnect system ➔ page 189.

If your vehicle is equipped with the Rain Sensing Wiper system ➔ page 47, and it is activated, the headlights will automatically turn on after the wipers complete five wipe cycles within approximately one minute. They will turn off approximately four minutes after the wipers completely stop.

NOTE:

When your headlights come on during the daytime, the instrument panel lights will automatically dim to the lower nighttime intensity.

HEADLIGHT DELAY

To assist when exiting the vehicle, the headlight delay feature will leave the headlights on for up to 90 seconds. This delay is initiated when the ignition is placed in the OFF position while the headlight switch is on, and then the headlight switch is cycled off. Headlight delay can be canceled by either turning the headlight switch on then off, or by placing the ignition in the ON position.

NOTE:

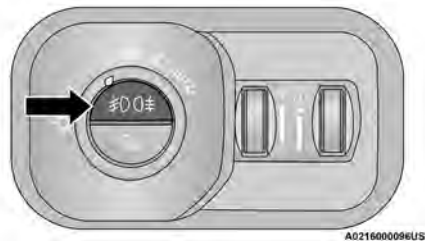
- This feature can be programmed through the Uconnect system ➔ page 189.
- The headlight delay feature is automatically activated if the headlight switch is left in the AUTO position when the ignition is placed in the OFF position.

LIGHTS-ON REMINDER

If the headlights, parking lights, or cargo lights are left on after the ignition is placed in the OFF position, the vehicle will chime when the driver's door is opened.

FOG LIGHTS — IF EQUIPPED

The fog light switch is built into the headlight switch.



Fog Light Switch Location

Front Fog Lights — If Equipped

To activate the front fog lights (if vehicle is not equipped with rear fog lights), turn the headlight switch to any position other than 0 (off) and push the upper half of headlight switch. To turn off the front fog lights, either push the upper half of the fog light switch a second time or turn off the headlight switch.

Rear Fog Lights — If Equipped

To activate the rear fog lights, turn the headlight switch to any position other than 0 (off). Push the upper half of the headlight switch once for front fog lights, push the switch a second time for front and rear fog lights. Pushing the switch a third time will deactivate the rear fog lights, and a fourth time will deactivate the front fog lights. Turning the headlight switch off will also deactivate the fog lights.

An indicator light in the instrument cluster illuminates when the fog lights are turned on.


NOTE:

The fog lights will operate when the low beam headlights or parking lights are on. However, selecting the high beam headlights will turn off the fog lights.

TURN SIGNALS

Move the multifunction lever up or down to activate the turn signals. The arrows on each side of the instrument cluster flash to show proper operation.

NOTE:

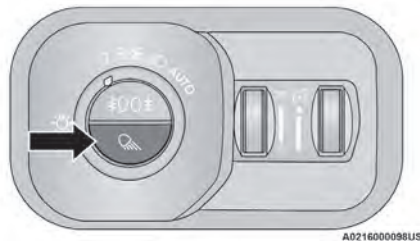
- If either light remains on and does not flash, or there is a very fast flash rate, check for a defective outside light bulb.
- For information on Turn Signal Activated Blind Spot Assist (if equipped), see  page 160.

LANE CHANGE ASSIST — IF EQUIPPED

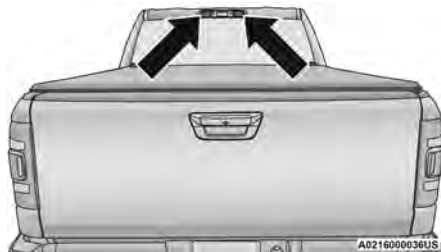
Lightly push the multifunction lever up or down, without moving beyond the detent, and the turn signal will flash three times then automatically turn off.

CARGO LIGHTS/TRAILER SPOTTER LIGHTS/TRAILER HITCH LIGHT WITH BED LIGHTS — IF EQUIPPED

The cargo light, bed lights, trailer spotter lights, and trailer hitch light are turned on by pushing the cargo light button located on the lower half of the headlight switch.



Cargo/Bed Lights Button On Headlight Switch



Cargo Lights

When the vehicle is stationary, these lights can also be turned on using the switch located just inside the pickup box, on the lower part of the bed light lens. A telltale will illuminate in the instrument cluster display when these lights are on. Pushing the switch a second time will turn the lights off.



Bed Light Switch (Without RamBox)

The cargo light and bed lights (if equipped) will turn on for approximately 60 seconds when a key fob unlock button is pushed, as part of the Illuminated Entry feature.

When these lights are activated using the button on the headlight switch the cargo lights, trailer spotter lights, and trailer hitch light will remain illuminated when the vehicle transmission is in PARK, NEUTRAL, or REVERSE. The lights will turn off when the vehicle transmission is placed in DRIVE.

When the vehicle is placed in the REVERSE position, the trailer hitch light will turn on automatically. The trailer hitch light will turn off when the vehicle is placed in the DRIVE position.

NOTE:

The bed lights are not affected by gear selection.

BATTERY SAVER

Timers are set to both the interior and exterior lights to protect the life of your vehicle's battery.

After 10 minutes, if the ignition is OFF and any door is left open or the dimmer control is rotated all the way up to the topmost position, the interior lights will automatically turn off.

NOTE:

Battery saver mode is canceled if the ignition is ON.

The headlights will automatically turn off after eight minutes while the ignition is in the OFF position.

NOTE:

The battery saver mode is canceled if the ignition is OFF and the headlamp switch is in the parking light position. The parking lamps will remain on and drain the vehicle's battery.

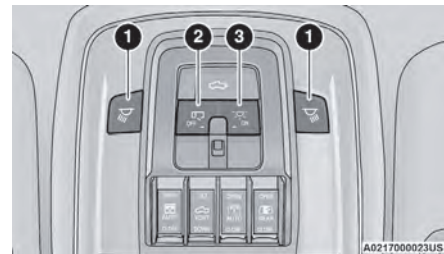
INTERIOR LIGHTS

COURTESY LIGHTS

Courtesy and dome lights are turned on when the doors are opened or the Dome ON button is pushed on the overhead console. If your vehicle is equipped with Remote Keyless Entry and the unlock button is pushed on the key fob, the courtesy and dome lights will turn on. When a door is open and the interior lights are on, and the Dome Defeat button on the overhead console is pressed, the interior lights will turn off.

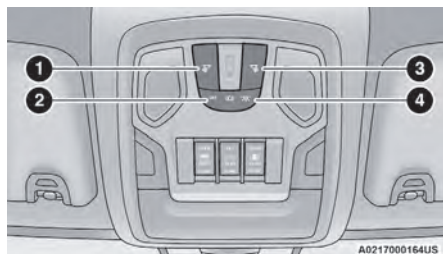
Front Map/Reading Lights

The overhead console lights can also be operated individually as reading lights by pushing the corresponding buttons.



Front Courtesy/Reading Lights

- 1 — Reading Light On/Off Buttons
- 2 — Dome Defeat Button
- 3 — Dome ON Button



Front Courtesy/Reading Lights

- 1 — Driver's Reading Light On/Off Button
- 2 — Dome Defeat Button
- 3 — Passenger's Reading Light On/Off Button
- 4 — Dome On Button

Three types of rear courtesy/reading lights are available for your vehicle.

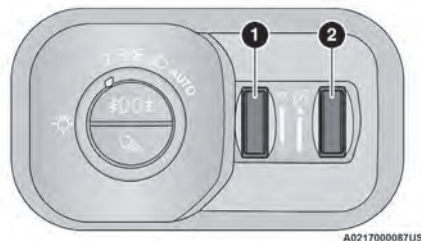
- Push button on/off
- Push lens on/off
- Push round puck lens on/off (if equipped with Dual Pane Sunroof)

NOTE:

The courtesy/reading lights will remain on until the switch is pushed a second time, so be sure they have been turned off before exiting the vehicle. If the interior lights are left on after the ignition is turned off, they will automatically turn off after 10 minutes.

Dimmer Controls

The dimmer controls are inboard and adjacent to the headlight switch located on the left side of the instrument panel.



Dimmer Controls

- 1 — Ambient Light Control (If Equipped)
- 2 — Instrument Panel Dimmer Control

With the parking lights or headlights on, rotating the instrument panel dimmer control upward will increase the brightness of the instrument panel lights. Rotating the ambient dimmer control will adjust the interior and ambient light levels when the headlights are on.

Dimming Of The Uconnect Touchscreen

The brightness of the Uconnect touchscreen can be dimmed using the instrument panel dimmer control when the parking lights or headlights are on.

When Display Mode is set to Auto within the Uconnect system, the brightness will automatically adjust from daytime intensity to nighttime intensity (and vice versa) based on ambient light levels outside of the vehicle.

NOTE:

The brightness of the Uconnect touchscreen cannot be adjusted when the instrument panel dimmer control is rotated to the upper most detent, even when Display Mode is set to Auto within the Uconnect Settings.

When Display Mode is set to Manual, the brightness of the Uconnect touchscreen will adjust to the set brightness (1 - 6) when the headlights are either on or off. For more information on these Uconnect Settings, see [page 189](#).

ILLUMINATED ENTRY

The courtesy lights will turn on when you use the key fob to unlock the doors or open any door.

This feature also turns on the approach lamps located beneath the outside mirrors (if equipped).

The lights will fade to off after approximately 30 seconds, or they will immediately fade to off once the ignition switch is placed in the ON/RUN position from the OFF position.

The front courtesy overhead console and door courtesy lights will not turn off if the Dome ON button on the overhead console is pushed. The overhead and door courtesy lights will turn off after 10 minutes when the ignition is placed in the OFF position to protect the battery.

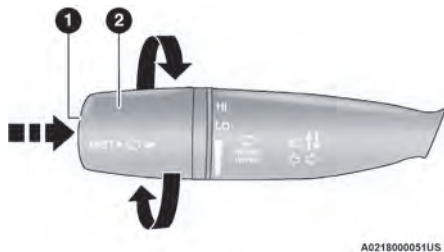
The illuminated entry system will not operate if the Dome Defeat button on the overhead console is pushed.

NOTE:

If your vehicle is equipped with Illuminated Approach lights under the outside mirrors, they will also be turned off by pushing the Dome Defeat button.

WINDSHIELD WIPERS AND WASHERS

The windshield wiper/washer controls are located on the multifunction lever on the left side of the steering column. The front wipers are operated by rotating a switch, located on the end of the lever.



Windshield Wiper/Washer Lever

- 1 — Push End Inward (Hold For Washer Or Short Press For Mist)
- 2 — Rotate For Front Wiper Operation

WINDSHIELD WIPER OPERATION

Intermittent Wipers

The intermittent feature of this system was designed for use when weather conditions make a single wiping cycle, with a variable pause between cycles, desirable. For maximum delay between cycles, rotate the control knob upward to the first detent.

The delay interval decreases as you rotate the knob until it enters the low continual speed position. The delay can be regulated from a maximum of about

18 seconds between cycles, to a cycle every one second. The delay intervals will double in duration when the vehicle speed is 10 mph (16 km/h) or less.

Windshield Washers

To use the windshield washer, push the washer knob, located on the end of the multifunction lever, inward and hold. Washer fluid will be sprayed and the wipers will operate for two to three cycles after the washer knob is released.

If the washer knob is pushed while in the delay range, the wipers will operate for several seconds after the washer knob is released. It will then resume the intermittent interval previously selected. If the washer knob is pushed while in the off position, the wipers will turn on and cycle approximately three times after the washer knob is released.

To prevent freeze-up of your windshield washer system in cold weather, select a solution or mixture that meets or exceeds the temperature range of your climate. This rating information can be found on most washer fluid containers.

WARNING!

Sudden loss of visibility through the windshield could lead to a collision. You might not see other vehicles or other obstacles. To avoid sudden icing of the windshield during freezing weather, warm the windshield with the defroster before and during windshield washer use.

Mist

When a single wipe to clear off road mist or spray from a passing vehicle is needed, push the washer knob, located on the end of the multifunction lever, inward briefly and release. The wipers will cycle one time and automatically shut off.

NOTE:

The mist feature does not activate the washer pump; therefore, no washer fluid will be sprayed on the windshield. The washer function must be used in order to spray the windshield with washer fluid.

For information on wiper care and replacement, see ➞ page 304.

RAIN SENSING WIPERS — IF EQUIPPED

This feature senses rain or snowfall on the windshield and automatically activates the wipers. Rotate the end of the multifunction lever to one of four detent positions to activate this feature.

The sensitivity of the system can be adjusted with the multifunction lever. Wiper delay position one is the least sensitive, and wiper delay detent position four is the most sensitive.

Wiper delay position three should be used for normal rain conditions.

Positions one and two can be used if the driver desires less wiper sensitivity. Position four can be used if the driver desires more sensitivity. Place the wiper switch in the O (off) position when not using the system.

NOTE:

- The Rain Sensing feature will not operate when the wiper switch is in the low or high-speed position.
- The Rain Sensing feature may not function properly when ice, or dried salt water is present on the windshield.
- Use of products containing wax or silicone may reduce Rain Sensing performance.
- The Rain Sensing feature can be turned on and off using the Uconnect system ➡ page 189.

The Rain Sensing system has protection features for the wiper blades and arms, and will not operate under the following conditions:

- **Low Ambient Temperature** — When the ignition is first placed in the ON position, the Rain Sensing system will not operate until the wiper switch is moved, vehicle speed is greater than 3 mph (5 km/h), or the outside temperature is greater than 32°F (0°C).
- **Transmission In NEUTRAL Position** — When the ignition is ON, and the automatic transmission is in the NEUTRAL position, the Rain Sensing system will not operate until the wiper switch is moved, vehicle speed is greater than 3 mph (5 km/h), or the gear selector is moved out of the NEUTRAL position.
- **Remote Start Mode Inhibit** — On vehicles equipped with a Remote Start system, Rain Sensing wipers are not operational when the vehicle is in the Remote Start mode.

CLIMATE CONTROLS

The Climate Control system allows you to regulate the temperature, air flow, and direction of air circulating throughout the vehicle. The controls are located on the touchscreen, on the sides of the touchscreen, or on the instrument panel below the radio.

AUTOMATIC CLIMATE CONTROL DESCRIPTIONS AND FUNCTIONS



Uconnect 5 or 5 NAV With 8.4-inch Display Automatic Temperature Controls



Uconnect 5 NAV With 12-inch Display Automatic Temperature Controls

NOTE:

Icons and descriptions can vary based upon vehicle equipment.

MAX A/C Button

Press and release the MAX A/C button on the touchscreen to change the current setting to the coldest output of air. The MAX A/C indicator illuminates when MAX A/C is on. Pressing the button again will cause the MAX A/C operation to exit.

NOTE:

- MAX A/C sets the control for maximum cooling performance.
- The MAX A/C button is only available on the touchscreen.

A/C Button



Press and release this button on the touchscreen, or push the button on the faceplate to change the current setting. The A/C indicator illuminates when A/C is on.

Recirculation Button



Press and release this button on the touchscreen, or push the button on the faceplate, to change the system between Recirculation mode and outside air mode. The Recirculation indicator and the A/C indicator illuminate when the Recirculation button is pressed. Recirculation can be used when outside conditions, such as smoke, odors, dust, or high humidity are present. Recirculation can be used in all modes. Recirculation may be unavailable (button on the touchscreen greyed out) if conditions exist that could create fogging on the inside of the windshield. The A/C can be deselected manually without disturbing the mode control selection. Continuous use of the Recirculation mode may make the inside air stuffy and window fogging may occur. Extended use of this mode is not recommended. Recirculation mode may automatically adjust to optimize customer experience for warming, cooling, dehumidification, etc.

In cold weather, use of Recirculation mode may lead to excessive window fogging. The recirculation feature may be unavailable if conditions exist that could create fogging on the inside of the windshield.

Auto Button



Set your desired temperature and press AUTO. AUTO will achieve and maintain your desired temperature by automatically adjusting the blower speed and air distribution. Air Conditioning (A/C) may be active during AUTO operation to improve performance. AUTO mode is highly recommended for efficiency.

You can turn AUTO on in one of two ways:

- Press and release this button on the touchscreen.
- Push the button on the faceplate.

toggling this function will cause the system to switch between manual mode and automatic mode

➡ page 52.

Front Defrost Button



Press and release the Front Defrost button on the touchscreen, or push and release the button on the faceplate, to change the current airflow setting to Defrost mode. The Front Defrost indicator illuminates when Front Defrost is on. Air comes from the windshield and side window demist outlets. When the defrost button is selected, the blower level may increase. Use Defrost mode with maximum temperature settings for best windshield and side window defrosting and defogging. When toggling the front defrost mode button, the climate system will return to the previous setting.

Rear Defrost Button



Press and release the Rear Defrost button on the touchscreen, or push and release the button on the faceplate, to turn on the rear window defroster and the heated outside mirrors (if equipped). The Rear Defrost indicator illuminates when the rear window defroster is on. The rear window defroster automatically turns off after 10 minutes.

CAUTION!

Failure to follow these cautions can cause damage to the heating elements:

- Use care when washing the inside of the rear window. Do not use abrasive window cleaners on the interior surface of the window. Use a soft cloth and a mild washing solution, wiping parallel to the heating elements. Labels can be peeled off after soaking with warm water.
- Do not use scrapers, sharp instruments, or abrasive window cleaners on the interior surface of the window.
- Keep all objects a safe distance from the window.

Driver And Passenger Temperature Up And Down Buttons

These buttons provide the driver and passenger with independent temperature control.



Push the red button (or rotate knob if equipped) on the faceplate, press the red button on the touchscreen, or press and slide the temperature bar towards the red arrow button on the touchscreen for warmer temperature settings.



Push the blue button (or rotate knob if equipped) on the faceplate, press the blue button on the touchscreen, or press and slide the temperature bar towards the blue arrow button on the touchscreen for cooler temperature settings.

NOTE:

- The numbers within the temperature display will only appear if the system is equipped with an automatic climate control system.
- Up and down buttons are only available on vehicles equipped with a 12-inch display.

SYNC Button

Press the SYNC button on the touchscreen to toggle the SYNC feature on/off. The SYNC indicator illuminates when SYNC is on. SYNC synchronizes the passenger temperature setting with the driver temperature setting. Changing the passenger's temperature setting while in SYNC will automatically exit this feature.

NOTE:

The SYNC button is only available on the touchscreen.

Blower Control

Blower Control regulates the amount of air forced through the climate control system. There are seven blower speeds available. Adjusting the blower will cause automatic mode to switch to manual operation. The speeds can be selected using either the blower control knob on the faceplate or the buttons on the touchscreen.

Faceplate

The blower speed increases as you turn the blower control knob clockwise from the lowest blower setting. The blower speed decreases as you turn the blower control knob counterclockwise.

Touchscreen

Use the small blower icon to reduce the blower setting and the large blower icon to increase the blower setting. Blower can also be selected by pressing the blower bar area between the icons.

Mode Control

Select Mode by pressing one of the Mode buttons on the touchscreen, or pushing the Mode button on the faceplate, to change the airflow distribution mode. The airflow distribution mode can be adjusted so air comes from the instrument panel outlets, floor outlets, defrost outlets, and demist outlets.

Panel Mode

Air comes from the outlets in the instrument panel. Each of these outlets can be individually adjusted to direct the flow of air. The air vanes of the center outlets and outboard outlets can be moved up and down or side to side to regulate airflow direction. There is a shut-off wheel located below the air vanes to shut off or adjust the amount of airflow from these outlets.

Bi-Level Mode

Air comes from the instrument panel outlets and floor outlets. A slight amount of air is directed through the defrost and side window demister outlets.

NOTE:

Bi-Level mode is designed under comfort conditions to provide cooler air out of the panel outlets and warmer air from the floor outlets.

Floor Mode

Air comes from the floor outlets. A slight amount of air is directed through the defrost and side window demister outlets.

Mix Mode

Air is directed through the floor, defrost, and side window demister outlets. This setting works best in cold or snowy conditions that require extra heat to the windshield. This setting is good for maintaining comfort while reducing moisture on the windshield.

Climate Control OFF Button

Press and release the OFF button on the touchscreen, or push the OFF button on the faceplate (if equipped) to turn the Climate Control on/off.

MANUAL CLIMATE CONTROL DESCRIPTIONS AND FUNCTIONS



Uconnect 5 With 8.4-inch Display Manual Temperature Controls

MAX A/C Setting



Set the temperature control knob to the MAX A/C setting to change the current setting to the coldest output of air. Moving the temperature control knob away from the MAX A/C setting causes the MAX A/C operation to exit.

A/C Button



Push the A/C button to engage the Air Conditioning (A/C). The A/C indicator illuminates when A/C is on.

NOTE:

- For Manual Climate Controls, if the system is in Mix, Floor or Defrost mode, the A/C can be turned off, but the A/C system shall remain active to prevent fogging of the windows.
- If fog or mist appears on the windshield or side glass, select Defrost mode, and increase blower speed if needed.
- If your air conditioning performance seems lower than expected, check the front of the A/C condenser (located in front of the radiator), for an accumulation of dirt or insects. Clean with a gentle water spray from the front of the radiator and through the condenser.

Recirculation Button



Push the Recirculation button to change the system between recirculation mode and outside air mode. The Recirculation indicator and the A/C indicator illuminate when the Recirculation button is pressed. Recirculation can be used when outside conditions, such as smoke, odors, dust, or humidity are present. Recirculation can be used in all modes except for Defrost. Recirculation may be unavailable if conditions exist that could create fogging on the inside of the windshield. The A/C can be deselected manually without disturbing the mode control selection. Continuous use of the Recirculation mode may make the inside air stuffy and window fogging may occur. Extended use of this mode is not recommended.

On systems with Manual Climate Controls, the Recirculation mode is not allowed in Defrost mode to improve window cleaning operation. Recirculation is disabled

automatically if this mode is selected. Attempting to use Recirculation while in this mode causes the LED in the control button to blink and then turn off.

Front Defrost Setting



Turn the mode control knob to the Front Defrost mode setting. Air comes from the windshield and side window demist outlets. When the defrost button is selected, the blower level may increase. Use Defrost mode with maximum temperature settings for best windshield and side window defrosting and defogging.

Rear Defrost Button



Push and release the Rear Defrost Control button to turn on the rear window defroster and the heated outside mirrors (if equipped). The Rear Defrost indicator illuminates when the rear window defroster is on. The rear window defroster automatically turns off after 10 minutes.

CAUTION!

Failure to follow these cautions can cause damage to the heating elements:

- Use care when washing the inside of the rear window. Do not use abrasive window cleaners on the interior surface of the window. Use a soft cloth and a mild washing solution, wiping parallel to the heating elements. Labels can be peeled off after soaking with warm water.
- Do not use scrapers, sharp instruments, or abrasive window cleaners on the interior surface of the window.
- Keep all objects a safe distance from the window.

Temperature Control

Temperature Control regulates the temperature of the air forced through the climate system.



The temperature increases as you turn the temperature control knob clockwise.



The temperature decreases as you turn the temperature control knob counterclockwise.

Blower Control



Blower Control regulates the amount of air forced through the climate control system. There are seven blower speeds available. The blower speed increases as you turn the blower control knob clockwise from the lowest blower setting. The blower speed decreases as you turn the blower control knob counterclockwise.

Mode Control



Turn the mode control knob or press the mode control button (if equipped) to adjust airflow distribution. The airflow distribution mode can be adjusted so air comes from the instrument panel outlets, floor outlets, defrost outlets and demist outlets.

Panel Mode



Air comes from the outlets in the instrument panel. Each of these outlets can be individually adjusted to direct the flow of air. The air vanes of the center outlets and outboard outlets can be moved up and down or side to side to regulate airflow direction. There is a shut-off wheel located below the air vanes to shut off or adjust the amount of airflow from these outlets.

Bi-Level Mode



Air comes from the instrument panel outlets and floor outlets. A slight amount of air is directed through the defrost and side window demister outlets.

NOTE:

Bi-Level mode is designed under comfort conditions to provide cooler air out of the panel outlets and warmer air from the floor outlets.

Floor Mode



Air comes from the floor outlets. A slight amount of air is directed through the defrost and side window demister outlets.

Mix Mode



Air is directed through the floor, defrost, and side window demister outlets. This setting works best in cold or snowy conditions that require extra heat to the windshield. This setting is good for maintaining comfort while reducing moisture on the windshield.

AUTOMATIC TEMPERATURE CONTROL (ATC) — IF EQUIPPED

Automatic Operation

1. Push the AUTO button on the faceplate, or the AUTO button on the touchscreen on the Automatic Temperature Control (ATC) Panel.
2. Next, adjust the temperature that you would like the system to maintain by adjusting the driver and passenger temperature control buttons. Once the desired temperature is displayed, the system will achieve and automatically maintain that temperature.
3. When the system is set up for your comfort level, it is not necessary to change the settings. You will experience the greatest efficiency by simply allowing the system to function automatically.

NOTE:

- It is not necessary to move the temperature settings for cold or hot vehicles. The system automatically adjusts the temperature, mode, and blower speed to provide comfort as quickly as possible.
- The temperature can be displayed in US or Metric units by selecting the US/Metric customer-programmable feature within Uconnect Settings [page 189](#).

To provide you with maximum comfort in the Automatic mode during cold start-ups, the blower fan will remain on low until the engine warms up. The blower will increase in speed and transition into Auto mode.

Manual Operation Override

This system offers a full complement of manual override features. The AUTO symbol in the front ATC display will be turned off when the system is being used in the manual mode.

CLIMATE VOICE RECOGNITION — IF EQUIPPED

Adjust vehicle temperatures hands-free and keep everyone comfortable while you keep moving ahead.

Push the VR button on the steering wheel. After the beep, say one of the following commands:

- “Set driver temperature to 20 degrees”
- “Set passenger temperature to 20 degrees”

Did you know: Voice Command for Climate may only be used to adjust the interior temperature of your vehicle. Voice Command will not work to adjust the heated seats or steering wheel if equipped.

OPERATING TIPS

Refer to the chart at the end of this section for suggested control settings for various weather conditions.

Summer Operation

The engine cooling system must be protected with a high-quality antifreeze coolant to provide proper corrosion protection and to protect against engine overheating. OAT coolant (conforming to MS.90032) is recommended.

Winter Operation

To ensure the best possible heater and defroster performance, make sure the engine cooling system is functioning properly and the proper amount, type, and concentration of coolant is used. Use of the Air Recirculation mode during Winter months is not recommended, because it may cause window fogging.

Vacation/Storage

For information on maintaining the Climate Control system when the vehicle is being stored for an extended period of time, see ➞ page 332.

Window Fogging

Vehicle windows tend to fog on the inside in mild, rainy, and/or humid weather. To clear the windows, select Defrost or Mix mode and increase the front blower speed. Do not use the Recirculation mode without A/C for long periods, as fogging may occur.

Outside Air Intake

Make sure the air intake, located directly in front of the windshield, is free of obstructions, such as leaves. Leaves collected in the air intake may reduce airflow, and if they enter the air distribution box, they could plug the water drains. In Winter months, make sure the air intake is clear of ice, slush, and snow.










Cabin Air Filter

The Climate Control system filters out dust and pollen from the air. Contact an authorized dealer to service your cabin air filter, and to have it replaced when needed.

Stop/Start System — If Equipped

While in an Autostop, the Climate Control system may automatically adjust airflow to maintain cabin comfort. Customer settings will be maintained upon return to an engine running condition.

Operating Tips Chart

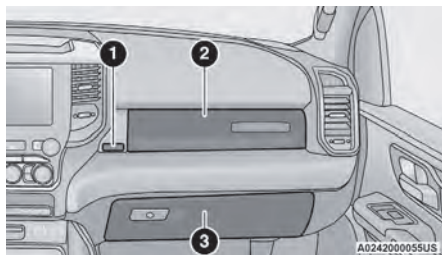
WEATHER	CONTROL SETTINGS
Hot Weather And Vehicle Interior Is Very Hot	Set the mode control to  (Panel Mode),  (A/C) on, and blower on high. Roll down the windows for a minute to flush out the hot air. Adjust the controls as needed to achieve comfort.
Warm Weather	Turn  (A/C) on and set the mode control to  (Panel Mode).
Cool Sunny	Operate in  (Bi-Level Mode).
Cool & Humid Conditions	Set the mode control to  (Floor Mode) and turn  (A/C) on to keep windows clear.
Cold Weather	Set the mode control to  (Floor Mode). If windshield fogging starts to occur, move the control to  (Mix Mode).

INTERIOR STORAGE AND EQUIPMENT

STORAGE

Glove Compartment

The glove compartment is located on the passenger side of the instrument panel and features both an upper and lower storage area.



Glove Compartment

- 1 — Upper Glove Compartment Release Button (If Equipped)
- 2 — Upper Glove Compartment
- 3 — Lower Glove Compartment

If equipped with a covered upper glove compartment, push the release button to open.

To open the lower glove compartment, pull the release handle.

WARNING!

Do not operate this vehicle with a glove compartment in the open position. Driving with the glove compartment open may result in injury in a collision.

Door Storage — If Equipped

Front Door Storage

Storage areas are located in the door trim panels.

Rear Door Storage

Storage areas are located in the door trim panels.

Center Storage Compartment — If Equipped

The center storage compartment is located between the driver and passenger seats. The storage compartment provides an armrest and contains both an upper and lower storage area.



Center Storage Compartment

WARNING!

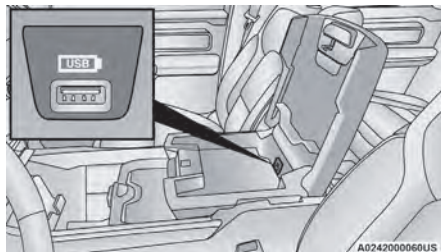
- This armrest is not a seat. Anyone seated on the armrest could be seriously injured during vehicle operation, or a collision.
- In a collision, the latch may open if the total weight of the items stored exceeds about 10 lb (4.5 kg). These items could be thrown about endangering occupants of the vehicle. Items stored should not exceed a total of 10 lb (4.5 kg).

Pull on the upper handle on the front of the armrest to raise the cover. The upper storage area contains a USB power outlet that can be used to power small electrical devices.



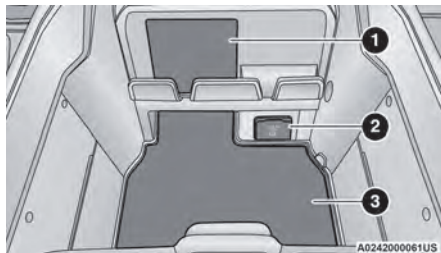
Center Storage Compartment

- 1 — Upper Console Handle
- 2 — Lower Console Handle



Upper Storage USB Outlet

With the upper lid closed, pull on the lower handle to open the lower storage bin. The lower bin contains a power inverter. There is also a fill line located along the **rear** inside wall of the lower bin. Contents above the fill line may interfere with cupholder placement if equipped with a premium center console.



Forward Portion Of Lower Storage Bin

- 1 — Wireless Charging Pad
- 2 — Power Inverter
- 3 — Storage Area

WARNING!

Do not operate this vehicle with a console compartment lid in the open position. Driving with the console compartment lid open may result in injury in a collision.

Premium Center Console — If Equipped

The premium center console is equipped with two front storage bins located in front of the center storage compartment. These storage bins may be equipped with tandem doors. Push the front bin to access the cupholders. Or push the rear bin to access the coin holder/small storage bin.



Center Console Tandem Doors— If Equipped

- 1 — Push Front Bin Access
- 2 — Push Rear Bin Access



Tandem Doors Open Position

- 1 — Front Bin Open
- 2 — Rear Bin Open

Push the release button at the front of the cupholder bin to slide tray rearward to access the front lower storage bin, or forward to access the rear lower storage bin.



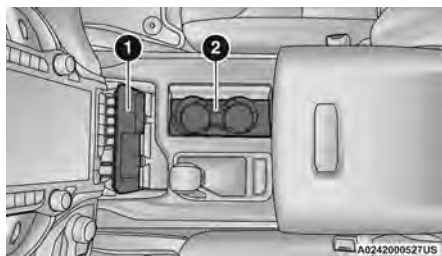
Push Release Button To Slide Tray

Center Console Storage Area — TRX Only

The center console storage area consists of a cubby bin (located in front of the gear selector) and two cupholders (located to the right of the gear selector).

If equipped with a wireless charging pad, it will be located within the cubby bin.

To access the cupholders, push on the cover to open it.



Center Console Storage Area

- 1 — Cubby Bin (With Wireless Charging Pad)
- 2 — Cupholders

NOTE:

The metal badge on the top of the center console lid will get hot to the touch if the console lid is exposed to direct sunlight, or if the vehicle is exposed to an extremely high temperature environment.

Overhead Sunglass Storage

At the front of the overhead console, a compartment is provided for the storage of one pair of sunglasses.

From the closed position, push the door latch to open the compartment.



Overhead Sunglass Door

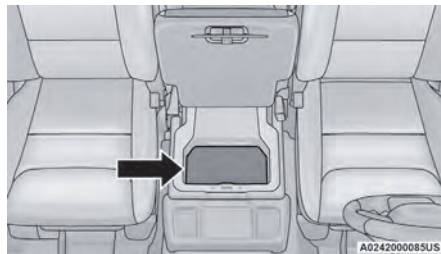
Front Bench Seat Storage — If Equipped

If your vehicle is equipped with a front bench seat, storage can be found by folding down the center seatback. A console storage area and cupholders are available.



Front Bench Seat Storage

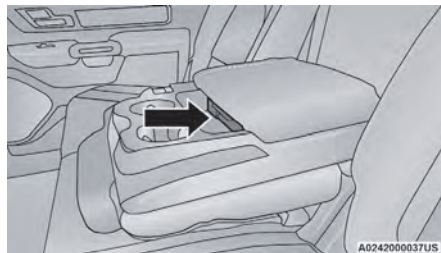
With the seatback in the upright position, lift the center seat bottom to access additional storage underneath the seat.



Below Seat Bottom Storage

Rear Console Storage — If Equipped

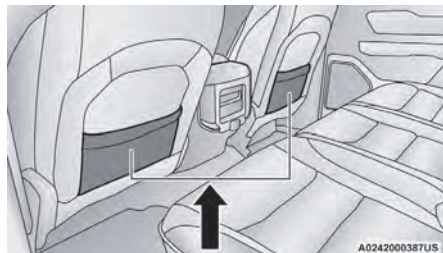
The center portion of the 40/20/40 rear seat will fold forward for rear seat cupholders and a storage compartment. Lift up on the console latch to access the storage compartment.



Rear Console Latch Location

Seatback Storage

Located in the back of both the driver and passenger front seats are pockets that can be used for storage.

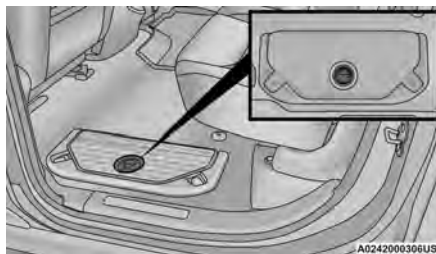


Seatback Storage

Second Row In-Floor Storage Bin — If Equipped

In-floor storage bins are located in front of the second row seats and can be used for extra storage. The storage bins have removable liners that can be easily removed for cleaning.

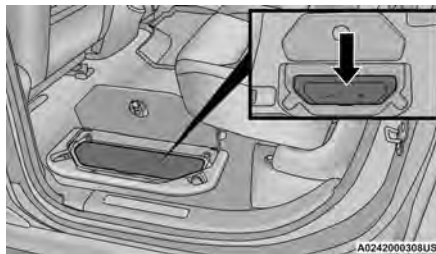
To open the in-floor storage bin, lift upward on the handle of the latch and open the lid.



In-Floor Storage Bin Latch

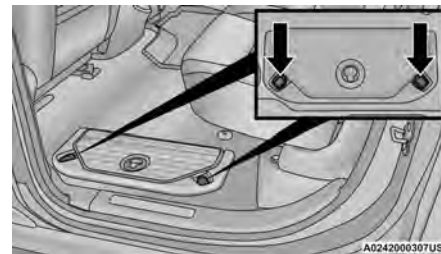
NOTE:

The front seat may have to be moved forward to fully open the lid.



Opened Storage Bin

Each storage bin also contains two hooks for securing cargo. These hooks should be used to secure loads safely when the vehicle is moving.



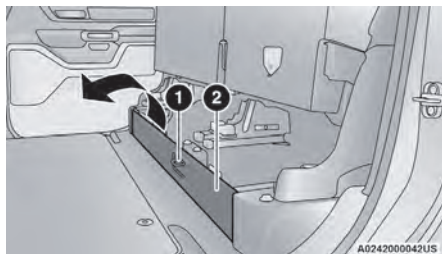
In-Floor Storage Bin Hooks

NOTE:

The maximum load limit for each hook is 250 lb (113 kg).

Storage Under Rear Seat — If Equipped

To access the storage under the rear seats, unlatch the lock mechanism in the center of the seat base by rotating it to either side, and fold the front of the seat base forward.

**Folding Down Front Of Seat Base**

- 1 — Lock Mechanism
- 2 — Front Of Seat Base

Flip the inside of the base upward into the upright position, locking into place, creating an extended storage area.

**Fully Extended Storage Area****NOTE:**

The rear seats do not need to be folded up to access this feature.

USB/AUX CONTROL

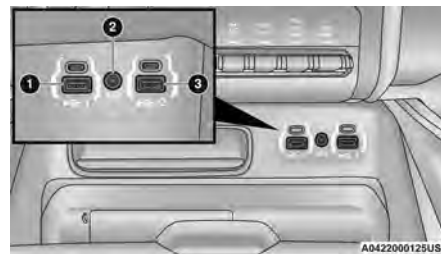
Located on the center stack, just below the instrument panel, is the main media hub. There are four total USB ports: Two Mini-USBs (Type C) and two Standard USBs (Type A). There is also an AUX port located in the middle of the USB ports.

Plugging in a smartphone device to a USB port may activate Android Auto™ or Apple CarPlay® features, if equipped. For further information, refer to “Android Auto™” or “Apple CarPlay®” in the Uconnect Radio Instruction Manual.

NOTE:

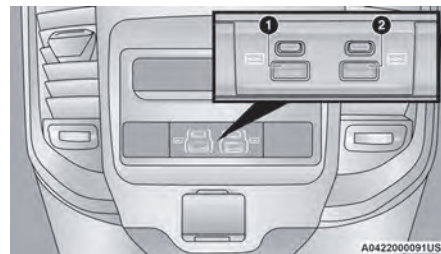
Two devices can be plugged in at the same time, and both ports will provide charging capabilities. Only one port can transfer data to the system at a time. A pop-up will appear and allow you to select the device transferring data.

For example, if a device is plugged into the Type A USB port and another device is plugged into the Type C USB port, a message will appear and allow you to select which device to use.

**Center Stack USB/AUX Media Hub**

- 1 — Standard USB Type A Port #1
- 2 — AUX Port
- 3 — Standard USB Type A Port #2

The third and fourth USB ports are located behind the center console, above the power inverter. Both are charge only.

**Rear USB Ports**

- 1 — Rear Charge Only USB Ports 1
- 2 — Rear Charge Only USB Ports 2

Applicable to only Uconnect 5/5 NAV With 8.4-inch Display, and Uconnect 5 NAV With 12-inch Display radios, different scenarios are listed as follows when a non-phone device is plugged into the smaller and larger USB ports, and when a phone device is plugged into the smaller and larger USB ports:

- “A new device is now connected. Previous connection was lost”.
- “(Phone Name) now connected. Previous connection was lost”.
- “Another device is in use through the same USB port. Please disconnect the first device to use the second device”.

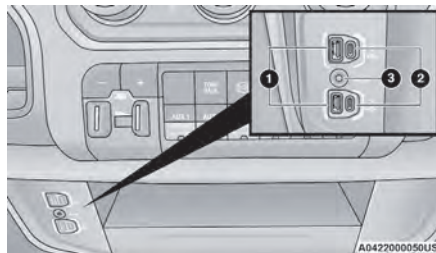
NOTE:

Charge unsupported devices with the Charge Only USB ports. If an unsupported device is plugged into a Media USB port, a message will display on the touchscreen that the device is not supported by the system.

Plugging in a phone or another USB device may cause the connection to a previous device to be lost.

If equipped, your vehicle may also contain a USB port located on the top tray of the vehicle's center console.

If equipped, two Mini-USB ports (Type C), two Standard USB ports (Type A), and one AUX port may be located to the left of the center stack, just below the climate controls.



Center Console USB/AUX Media Hub

- 1 — Standard USB Type A Ports
 2 — Mini-USB Type C Ports
 3 — AUX Port

Some USB ports support media and charging. You can use features, such as Apple CarPlay®, Android Auto™, Pandora®, and others while charging your phone.

NOTE:

Plugging in a phone or another USB device may cause the connection to a previous device to be lost.

For further information, refer to the Uconnect Radio Instruction Manual or visit UconnectPhone.com.

ELECTRICAL POWER OUTLETS

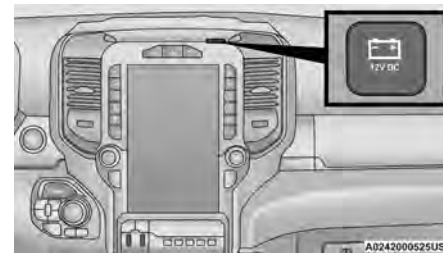
The auxiliary 12 Volt (13 Amp) power outlet can provide power for in-cab accessories designed for use with the standard “cigarette lighter” style plug. The 12 Volt power outlets and 5 Volt (2.5 Amp) USB Port (Charge Only) have a cap attached to the outlet indicating “12V DC”, together with either a key symbol, battery symbol, or USB symbol.

CAUTION!

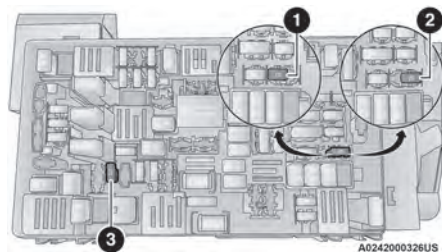
- Do not exceed the maximum power of 160 Watts (13 Amps) at 12 Volts. If the 160 Watts (13 Amps) power rating is exceeded, the fuse protecting the system will need to be replaced.
- Power outlets are designed for accessory plugs only. Do not insert any other object in the power outlets as this will damage the outlet and blow the fuse. Improper use of the power outlet can cause damage not covered by your New Vehicle Limited Warranty.

2

An auxiliary power outlet can be found in the tray on top of the center stack. This power outlet works when the ignition is in the ON/RUN, ACC, or OFF position.



Power Outlet – Top Of Center Stack



Power Outlet Fuse Locations

- 1 — F54 Fuse 20 A Yellow Power Outlet Battery Fed Position
 2 — F54 Fuse 20 A Yellow Power Outlet Ignition Fed Position
 3 — F48 Fuse 10 A Red Port Power or Rear USB (Charge Only)

When the vehicle is turned off, be sure to unplug any equipment as to not drain the battery of the vehicle. All accessories connected to the outlet(s) should be removed or turned off when the vehicle is not in use to protect the battery against discharge.

WARNING!

To avoid serious injury or death:

- Only devices designed for use in this type of outlet should be inserted into any 12 Volt outlet.
- Do not touch with wet hands.
- Close the lid when not in use and while driving the vehicle.

(Continued)

WARNING!

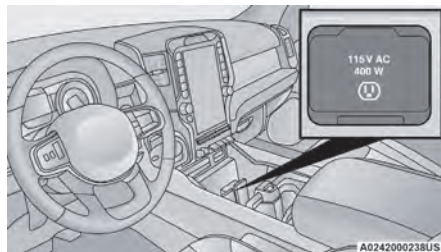
- If this outlet is mishandled, it may cause an electric shock and failure.

CAUTION!

- Many accessories that can be plugged in draw power from the vehicle's battery, even when not in use (i.e., cellular phones, etc.). Eventually, if plugged in long enough, the vehicle's battery will discharge sufficiently to degrade battery life and/or prevent the engine from starting.
- Accessories that draw higher power (i.e., coolers, vacuum cleaners, lights, etc.), will discharge the battery even more quickly. Only use these intermittently and with greater caution.
- After the use of high power draw accessories, or long periods of the vehicle not being started (with accessories still plugged in), the vehicle must be driven a sufficient length of time to allow the generator to recharge the vehicle's battery.

POWER INVERTER — IF EQUIPPED

A 115 Volt (400 Watts maximum) inverter may be located inside the center console towards the right hand side. This inverter can power cellular phones, electronics and other low power devices requiring power up to 400 Watts. Certain video game consoles exceed this power limit, as will most power tools.



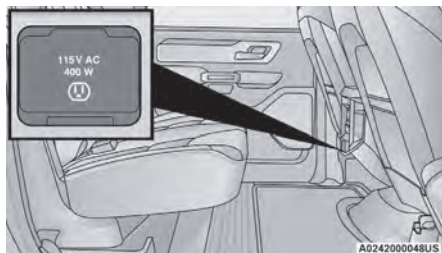
Center Console Power Inverter Outlet

NOTE:

For TRX Models: A 115 Volt (400 Watt maximum) inverter may be located inside the center console storage area. This inverter can power cellular phones, electronics and other low-power devices requiring power up to 400 Watts. Certain video game consoles exceed this power limit, as will most power tools. The outlet remains off when no device is plugged in. To turn on the power outlet, simply plug in a device.

There is also a second 115 Volt (400 Watts maximum) power inverter located on the rear of the center console. This inverter can power cellular phones, electronics and other low power devices requiring power up to 400 Watts. Certain video game consoles exceed this power limit, as will most power tools.

All power inverters are designed with built-in overload protection. If the power rating of 400 Watts is exceeded, the power inverter shuts down. Once the electrical device has been removed from the outlet the inverter should reset.

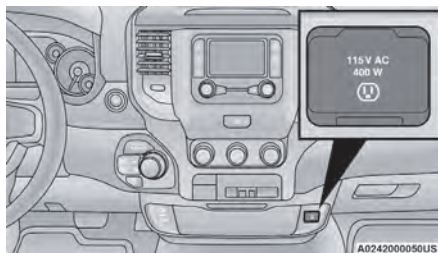


Rear Center Console Power Inverter Outlet

NOTE:

400 Watts is the maximum for the inverter, not each outlet. If three outlets are in use, 400 Watts is shared amongst the devices plugged in.

If equipped with a front bench seat, there may be a 115 Volt (400 Watts maximum) inverter located to the right of the center stack, just below the climate controls. This inverter can power cellular phones, electronics and other low power devices requiring power up to 400 Watts. Certain video game consoles exceed this power limit, as will most power tools.



Center Stack Power Inverter

To turn on the power outlet, simply plug in a device. The outlet turns off when the device is unplugged.

NOTE:

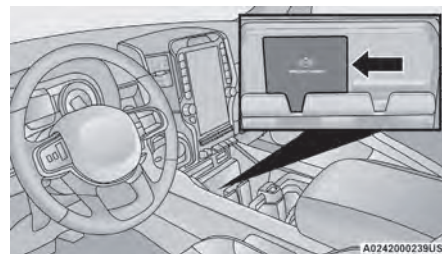
- The Center Stack Power Inverter is only available on vehicles equipped with a front bench seat.
- The power inverter only turns on if the ignition is in the ACC or ON/RUN position.
- Due to built-in overload protection, the power inverter shuts down if the power rating is exceeded.

WARNING!

To avoid serious injury or death:

- Do not insert any objects into the receptacles.
- Do not touch with wet hands.
- Close the lid when not in use.
- If this outlet is mishandled, it may cause an electric shock and failure.

WIRELESS CHARGING PAD — IF EQUIPPED



Wireless Charging Pad

Your vehicle may be equipped with a 15W 3A Qi® wireless charging pad located below the center stack, within the storage compartment. This charging pad is designed to wirelessly charge your Qi® enabled mobile phone. Qi® is a standard that allows wireless charging of your mobile phone.

Your mobile phone must be designed for Qi® wireless charging. If the phone is not equipped with Qi® wireless charging functionality, an aftermarket sleeve or a specialized back plate can be purchased from your mobile phone provider or a local electronics retailer. Please see your phone's Owner's Manual for further information.

The wireless charging pad is equipped with an anti-slip mat, a cradle to hold your mobile phone in place, and an LED indicator light.

Place the device inside the prepared area delimited in the mat as shown in the image. Incorrect positioning will prevent the phone from charging.

NOTE:

If your vehicle comes with a Wireless Charging pad, you'll notice a clear indication on the rubber mat with the text "Wireless Charger" and accompanying phone and charging icon graphics. The charger is available for the left side only.

Alternatively, if you have a phone holder in your vehicle, it has a rubber surface with textured grip for secure placement, and a designated slot for your charging cord.

LED Indicator Status:

- No Light: Charging pad is idle or searching for a device. Device may not be compatible with the Qi® standard.
- Blue Light: Device is detected and is charging.
- Red Light/Flashing: Internal error, or foreign object is detected.
- Green Light: Device has completed battery charging (if device is equipped to transmit this information).

Important Notes Regarding This Vehicle's Wireless Charging Pad:

- The presence of the Near-Field Communication (NFC) function active on a smartphone could signal malfunction anomalies.
- The ignition must be in the ON/RUN position in order for the phone to charge.
- To avoid interference with the key fob search, the wireless charging pad will stop charging when any door or liftgate is opened, even if the engine is running.

- Be sure to place the mobile device correctly (display facing upward, and phone not covering the LED) on the wireless charging pad.
- If the phone moves on the pad causing the red light to illuminate, the phone will have to be picked up and placed back on the charging pad to resume charging.
- Wireless charging is not as fast as when the phone is connected to a wired charger.
- The phone's protective case must be removed when placed on the wireless charging pad.
- iPhone® 12 (including iPod®) is equipped with software to protect the device from overheating. When the software is active, the rate of charge is slowed down to protect the device.
- Phones must always be placed on the wireless charging pad within the outline shown on the pad so that its charging parts connect with the charging coils of the system. Movement of the phone during charging may prevent or slow the rate of charge.
- Having multiple applications open on the phone while charging will reduce the charging efficiency, and may even shut down an application that is actively running (i.e. Apple CarPlay®). This may also cause the phone to overheat.
- Wireless chargers may implement certain methods to prevent the phone from overheating during charging such as slowing down the rate of charge. In certain instances, the device may shut down for a brief period of time (when the device reaches a certain temperature). If this happens, it does not mean there is a fault with the wireless charging pad. This may just be a protective measure to prevent damage to the phone.

- The use of multiple wireless functions at the same time (wireless charging, Apple CarPlay®, Android Auto™) could cause the device to overheat, resulting in limitation of the functions or it turning off. In this case, it is recommended to connect the system using the USB port.
- Do not place the key fob or any other type of metal/magnetized object inside the mobile phone housing or near the wireless charging pad.
- With a compatible device placed on the charging pad, and the ignition is cycled to the OFF position, a reminder message may appear on the instrument cluster display to warn the driver.

CAUTION!

The key fob should not be placed on the charging pad or within 6 inches (15 cm) of it. Doing so can cause excessive heat buildup and damage to the fob. Placing the fob in close proximity of the charging pad blocks the fob from being detected by the vehicle and prevents the vehicle from starting.

UV-C LIGHT — IF EQUIPPED

Your vehicle may be equipped with a UV-C light located inside the glove compartment used to hygienize surface areas of items placed inside. The UV-C light hygienizes using a very specialized, and high powered, UV-C light source.

NOTE:

No chemicals are used in the hygienizing process. The UV-C light switch is located on the instrument panel, below the radio.



UV-C Light Switch

Operating Instructions

1. Place item to be hygienized inside the glove compartment, and close the door completely.
2. Push the UV-C light switch on the instrument panel to start the operation. The LED indicator light on the switch will turn on (blue) during the UV-C hygienizing operation.

The LED indicator light will remain on and solid until the hygienizing operation is complete. The indicator light will turn off, and an audible chime will be heard when the operation is successfully completed.

NOTE:

One complete hygienizing cycle takes about three minutes.

If the hygienizing operation is interrupted or stopped, the LED indicator light will blink for five seconds, and the UV-C light will be ready for a new cycle when the blinking has stopped.

Any objects placed in the glove compartment for hygienizing must be repositioned as many times as necessary to ensure that the UV-C light hits every surface of the object.

NOTE:

- The UV-C light only operates with the ignition in the ON/RUN position.
- The UV-C light is not intended for medical use. Use of the UV-C light does not guarantee that the user will avoid illness.
- Surfaces must be directly exposed to the UV ray in order to be hygienized. Rays will not penetrate materials like cloth, paper, or regular glass. Therefore, it is important to remove items from the direct line of sight that would block or shield the rays from other surfaces.
- Frequent exposure of items to the UV-C light can cause early fading of the item's colored surfaces.
- For optimum effectiveness, the UV-C lights must be free of fingerprints, moisture, and dust. Clean with a lint-free cloth.

WARNING!

- The UV-C light is equipped with ultraviolet lamps. UV radiation is harmful to the eyes and skin. Do not look directly at the UV-C light when it is activated.

(Continued)

WARNING!

- Do not tamper or modify the UV-C light in any way. Unintended use or damage of the light may result in the exposure to dangerous UV radiation. Even in small doses, UV radiation can cause harm to the eyes and skin.
- Do not use if the device is damaged, not working properly, or has broken lights.
- The UV-C light is intended for use **ONLY INSIDE THE CLOSED GLOVEBOX**. Do not operate in any fashion that would expose the UV-C light to humans, plants or animals.
- Keep out of reach of children. Do not allow the device to be used as a toy.
- Do not try to override the operating UV-C light, exposing yourself to the light.
- Ensure that the glove compartment door is fully closed prior to starting UV-C operation.
- The UV-C light is hot during and after use. Do not touch.

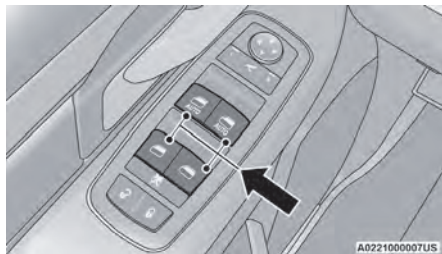
CAUTION!

Operate the UV-C light at temperatures between -40°F - 176°F (-40°C - +80°C). Equipment failure or damage may occur if operated out size of this temperature range.

WINDOWS

POWER WINDOWS

The window controls on the driver's door control all the door windows.



Power Window Switches

The passenger door windows can also be operated by using the single window controls on the passenger door trim panel. The window controls will operate only when the ignition is in the ACC or ON/RUN position.

To open the window part way (manually), push the window switch down briefly and release.

NOTE:

The power window switches will remain active for up to 10 minutes after the ignition is placed in the OFF position. Opening either front door will cancel this feature. The time is programmable within Uconnect Settings
➞ page 189.

WARNING!

Never leave children unattended in a vehicle. Do not leave the key fob in or near the vehicle or in a location accessible to children, and do not leave the Keyless Enter 'n Go™ Ignition in the ACC or ON/RUN position. Occupants, particularly unattended children, can become entrapped by the windows while operating the power window switches. Such entrapment may result in serious injury or death.

AUTOMATIC WINDOW FEATURES

Auto-Down Feature

The driver and front passenger door power window switches have an Auto-Down feature. Push the window switch down for a short period of time, then release, and the window will go down automatically.

To stop the window from going all the way down during the Auto-Down operation, pull up or push down on the switch briefly.

Auto-Up Feature With Anti-Pinch Protection

Lift the window switch up for a short period of time and release; the window will go up automatically.

To stop the window from going all the way up during the Auto-Up operation, push down on the switch briefly.

To close the window part way, lift the window switch briefly and release it when you want the window to stop.

If the window runs into any obstacle during auto-closure, it will reverse direction and then go back down. Remove the obstacle and use the window switch again to close the window.

NOTE:

Any impact due to rough road conditions may trigger the auto-reverse function unexpectedly during auto-closure. If this happens, pull the switch lightly and hold to close the window manually.

WARNING!

There is no anti-pinch protection when the window is almost closed. To avoid personal injury be sure to clear your arms, hands, fingers and all objects from the window path before closing.

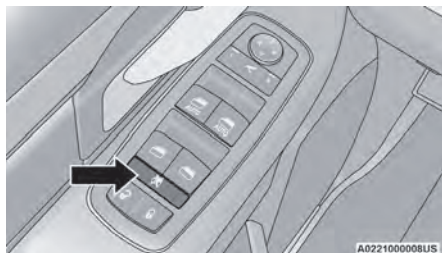
RESET AUTO-UP

Should the Auto-Up feature stop working, the window probably needs to be reset. To reset Auto-Up:

1. Pull the window switch up to close the window completely and continue to hold the switch up for an additional two seconds after the window is closed.
2. Push the window switch down firmly to open the window completely and continue to hold the switch down for an additional two seconds after the window is fully open.

WINDOW LOCKOUT SWITCH

The window lockout switch on the driver's door trim panel allows you to disable the window controls on the rear passenger doors. To disable the window controls, push and release the window lockout button (the indicator light on the button will turn on). To enable the window controls, push and release the window lockout button again (the indicator light on the button will turn off).



Window Lockout Switch

POWER SLIDING REAR WINDOW — IF EQUIPPED

The switch for the power sliding rear window is located on the overhead console. Push the switch rearward to open the glass. Pull the switch forward to close the glass.



Rear Window Switch

WIND BUFFETING

Wind buffeting can be described as the perception of pressure on the ears or a helicopter-type sound in the ears. Your vehicle may exhibit wind buffeting with the windows down, or the sunroof (if equipped) in certain open or partially open positions. This is a normal occurrence and can be minimized. If the buffeting occurs with the rear windows open, open the front and rear windows together to minimize the buffeting. If the buffeting occurs with the sunroof open, adjust the sunroof opening to minimize the buffeting or open any window.

POWER SUNROOF — IF EQUIPPED

DUAL PANE POWER SUNROOF

The power sunroof switches are located on the overhead console between the courtesy/reading lights.



Power Sunroof Switches

- 1 — Opening/Closing Sunroof
- 2 — Venting Sunroof
- 3 — Opening/Closing Sunshade

WARNING!

- Never leave children unattended in a vehicle, or with access to an unlocked vehicle. Never leave the key fob in or near the vehicle, or in a location accessible to children. Do not leave the Keyless Enter 'n Go™ Ignition in the ACC or ON/RUN position. Occupants, particularly unattended children, can become entrapped by the power sunroof while operating the power sunroof switch. Such entrapment may result in serious injury or death.
- In a collision, there is a greater risk of being thrown from a vehicle with an open sunroof. You could also be seriously injured or killed. Always fasten your seat belt properly and make sure all passengers are also properly secured.
- Do not allow small children to operate the sunroof. Never allow your fingers, other body parts, or any object, to project through the sunroof opening. Injury may result.

Opening And Closing The Sunroof

The sunroof has two programmed automatic stops for the sunroof open position; a comfort stop position and a full open position. The comfort stop position has been optimized to minimize wind buffeting.

Express Open/Close

Push the switch rearward and release it within one-half second and the sunroof will open automatically from any position. The sunroof will open fully and stop automatically.

Push the switch forward and release it within one-half second and the sunroof will close automatically from any position. The sunroof will close fully and stop automatically.

During Express Open or Express Close operation, any other movement of the sunroof switch will stop the sunroof.

Manual Open/Close

To open the sunroof, push and hold the switch rearward to full open.

To close the sunroof, push and hold the switch in the forward position.

Any release of the switch during open or close operation will stop the sunroof movement. The sunroof will remain in a partially opened position until the switch is operated and held again.

NOTE:

If the sunshade is in the closed position when Express or Manual Open operation is initiated the sunshade will automatically open to the half open position prior to the sunroof opening.

Opening And Closing The Power Sunshade

The sunshade has two programmed positions: half open and full open positions. When operating the sunshade from the closed position, the sunshade will always stop at the half open position regardless of express or manual open operation. The switch must be actuated again to continue on to full open position.

If the sunroof is open or vented, the sunshade cannot be closed beyond the half open position. Pushing the sunshade close switch when the sunroof is open/vented and the sunshade is at half open position will first automatically close the sunroof prior to the sunshade closing.

Express Open/Close

Push the sunshade switch rearward and release it within one-half second, the sunshade will open to the half open position and stop automatically. Push and release the switch again from the half open position and the sunshade will open to the full open position and stop automatically.

Push the sunshade switch forward and release it within one-half second and the sunshade will close automatically.

During Express Open or Express Close operation, any other actuation of the sunroof switches will stop the sunshade in a partially open position.

Manual Open/Close

Push and hold the sunshade switch rearward, the sunshade will open to the half open position and stop automatically. Push and hold the sunshade switch again and the sunshade will open to the full open position.

Push and hold the switch forward and the sunshade will close and stop at full closed position.

Releasing the switch while the sunshade is in motion will stop the sunshade in a partially open position.

Pinch Protect Feature

This feature will detect an obstruction in the opening of the sunroof during Express Close operation. If an obstruction in the path of the sunroof is detected, the sunroof will automatically retract. Remove the obstruction if this occurs.

NOTE:

If three consecutive sunroof close attempts result in Pinch Protect reversals, Pinch Protect will disable and the sunroof must be closed in Manual Mode.

Venting Sunroof

Push and release the Vent button within one half second and the sunroof will open to the vent position. This is called "Express Vent" and it will occur regardless of sunroof position. During Express Vent operation, any movement of the switch will stop the sunroof.

NOTE:

If the sunshade was not already open, it will automatically open prior to the roof opening to the vent position.

Ignition Off Operation

The power sunroof switch will remain active for up to approximately 10 minutes after the ignition switch is placed in the OFF position. Opening either front door will cancel this feature.

NOTE:

Ignition Off timing is programmable through the Uconnect system ➔ page 189.

Sunroof Maintenance

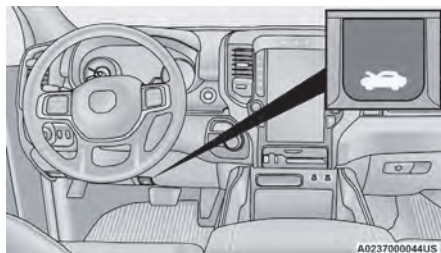
Use only a non-abrasive cleaner and a soft cloth to clean the glass panel. Periodically check for and clear out any debris that may have collected in the tracks.

HOOD

TO OPEN THE HOOD

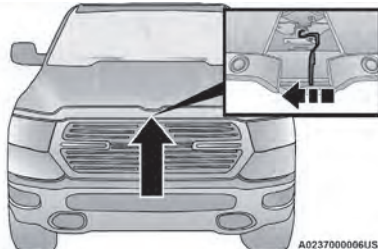
To open the hood, two latches must be released.

1. Pull the hood release lever located below the steering wheel at the base of the instrument panel.



Hood Release Lever Location

2. Reach into the opening beneath the center of the hood and push the safety latch lever to the left to release it, before raising the hood.



Safety Latch Location

NOTE:

- Vehicle must be at a stop and the gear selector must be in PARK.
- While lifting the hood, use both hands.

- Before lifting the hood, check that the wiper arms are not in motion and not in the lifted position.
- Pressing down on the hood may need to occur before pushing the safety latch. Use both hands while lifting the hood.

TO CLOSE THE HOOD

In one continuous motion, pull down on the front edge of the hood with moderate force until the angle is below the crossover point (where the gas props are no longer resisting) and let the hood continue to fall closed from its own inertia.

WARNING!

Be sure the hood is fully latched before driving your vehicle. If the hood is not fully latched, it could open when the vehicle is in motion and block your vision. Failure to follow this warning could result in serious injury or death.

CAUTION!

To prevent possible damage, do not slam the hood to close it. Use a firm downward push at the front center of the hood to ensure that both latches engage.

TAILGATE**OPENING**

The tailgate may be opened by pushing the tailgate release pad located on the tailgate door.

The tailgate damper strut will lower the tailgate to the open position (if equipped).

WARNING!

It is very dangerous to ride on the tailgate, even when the vehicle is traveling at low speeds. Anyone riding on the tailgate could easily fall in response to the vehicle maneuvers or rough terrain. Passengers should always sit in the vehicle seats and use their seatbelt. Failure to follow this warning could result in serious injury or death.

2

Electronic Tailgate Release — If Equipped

The key fob may be equipped with an electronic release feature for the tailgate, allowing hands-free tailgate opening. To activate, push and release the Tailgate Release button on the key fob twice within five seconds. The tailgate door will unlatch, and slowly lower into the open position.

If equipped, a button on the center overhead console inside the vehicle can be used to release the tailgate. An indicator light may also signal when the tailgate is open.

For the tailgate to lower, the vehicle must be stationary and in PARK or NEUTRAL.

NOTE:

The optional Tri-Fold Tonneau Cover ➡ page 77 may prevent electronic tailgate release. The Tonneau Cover must be removed or folded up before releasing the tailgate.

WARNING!

To avoid injury, make sure there is no one in the way of the power tailgate as it is opening or closing, and keep hands away from the tailgate hinges when in use. You or others could be injured if caught in the path of the power tailgate or tailgate hinges.

CLOSING

To close the tailgate, push it upward until both sides are securely latched. After closing the tailgate, pull it back to be sure it is latched securely.

NOTE:

When the tailgate is open and the vehicle is in the ON/RUN position, a message will appear in the instrument cluster display.

LOCKING TAILGATE

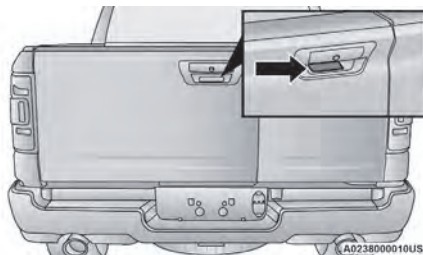
The tailgate can be locked using the key fob lock button.

MULTIFUNCTION TAILGATE — IF EQUIPPED

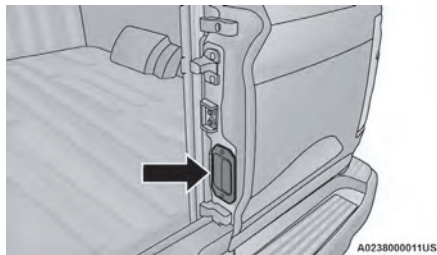
The 60/40 multifunction tailgate has two swing doors to allow for closer access to the pickup box with the doors open.

Opening

The tailgate must be latched closed to open the swing doors. Push the paddle down, then pull the release handle beneath the tailgate lowering handle. This opens the 60 split door.

**60 Split Door Release Handle**

Once the 60 split swing door is opened, pull the release handle on the inboard side of the 40 split door to open.

**40 Split Door Release Handle****Closing**

Always close the 40 split door first, then close the 60 split door. The swing doors must be securely latched before the tailgate can be lowered.

NOTE:

- When the swing doors are open, the maximum load placed on a door cannot exceed 180 lb (82 kg).
- Pull back on the swing doors firmly after closing to ensure they are securely latched. Similar to the side door ajar light inside the cab, the bed light above the rear window will remain on if the tailgate doors are not fully closed.

WARNING!

To prevent serious injury or death:

- Make sure there is no one in the way of the swing doors or tailgate that is being opened or closed, and keep away from their hinges when in use. You or others could be injured if caught in the path of the swing doors, tailgate, or their hinges.
- Never operate the vehicle with the swing doors open.
- Never hang from or sit on the swing doors.

CAUTION!

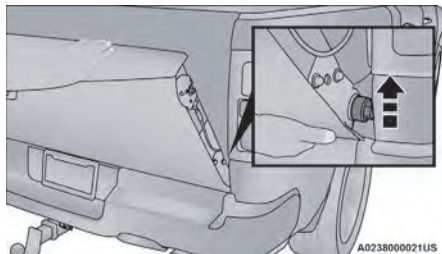
- Always check both swing doors are latched before starting vehicle.
- Vehicle damage may occur if doors are not securely latched.

TAILGATE REMOVAL**NOTE:**

Removing the tailgate will disable the rearview camera function.

To remove the tailgate, refer to the following instructions:

1. Open the tailgate to a 45° angle.
2. Lift up on the right side of the tailgate, lifting it off of the pivot.



Lift Right Side Off Of Pivot

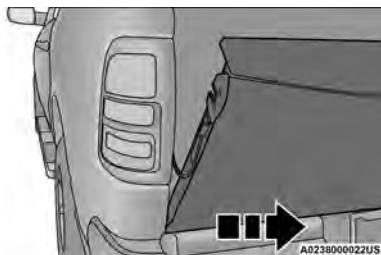
3. Without latching, rotate the tailgate to nearly closed. Then, while providing support to the tailgate, slide it slowly to the right, removing the tailgate from the left pivot.

NOTE:

Rest the tailgate on the bumper so that the entire tailgate is secure and supported.

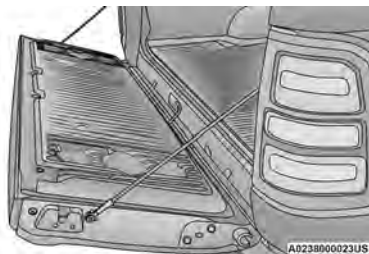
WARNING!

For vehicles equipped with a multifunction tailgate, the tailgate weighs 115 lb (52 kg) and should be removed by at least two people. Injury to the customer or damage to the tailgate may occur if one person tries to remove the multifunction tailgate.



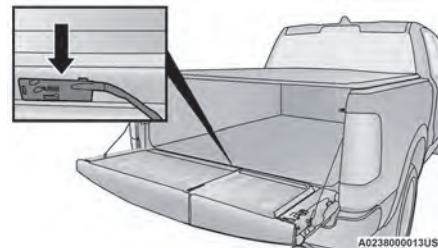
Slide Tailgate To The Right

4. Let the tailgate rest on the support cables while having the tailgate naturally slide forward on the bumper.

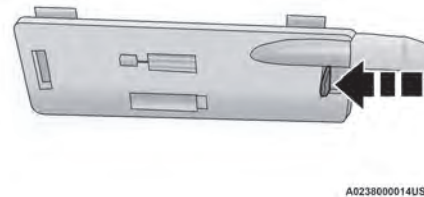


Tailgate Only Supported By Cables

5. Remove the connector bracket from the sill by pushing inward in the locking tab.

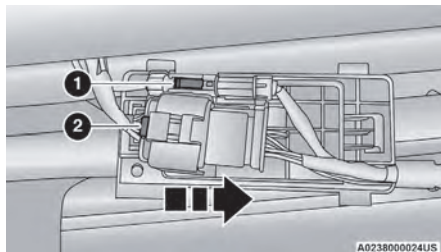


Connector Bracket Location

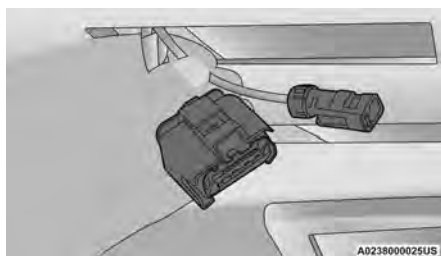


Locking Tab

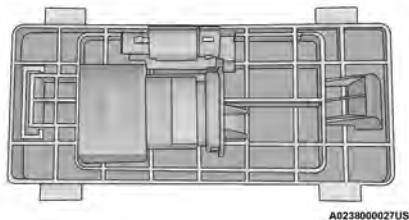
6. Disconnect the wiring harness by pushing on the two release tabs, ensuring the connector bracket does not fall into the sill.

**Connected Wiring Harness**

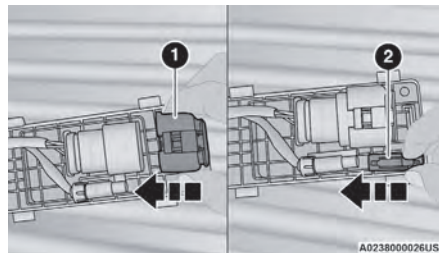
- 1 — First Release Tab
2 — Second Release Tab

**Disconnected Body Side Harness**

7. Connect the body side plug (provided in the glove compartment) to the body side wiring harness and insert the bracket back into the sill.

**Body Side Plug (One Piece)**

8. Connect the tailgate plugs (provided in the glove compartment) to the tailgate wiring harness to ensure that the terminals do not corrode.

**Tailgate Plugs (Two Pieces)**

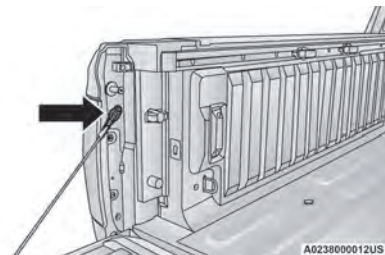
- 1 — Large Plug
2 — Small Plug

9. Tape the tailgate harness and bracket against the forward-facing surface of the tailgate. This will prevent damaging the connector and bracket when storing or reinstalling the tailgate.

10. Raise the tailgate slightly, and remove the support cables by releasing the lock tang from the pivot.

NOTE:

Make sure tailgate is supported by you and/or a second person when removing support cables.

**Locking Tang**

11. Remove the tailgate from the vehicle.

NOTE:

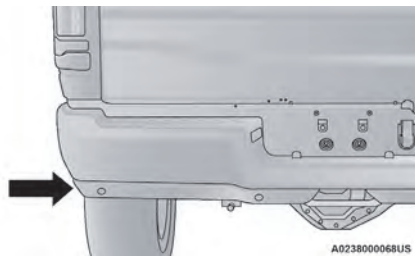
- Do not carry the tailgate loose in the truck pickup box.
- If the tailgate is closed with the wire harness disconnected, the tailgate can only be opened by removing the inside panel and unlatching the locking mechanism manually.

WARNING!

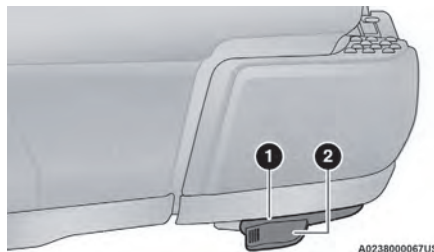
To avoid inhaling carbon monoxide, which is deadly, the exhaust system on vehicles equipped with "Cap or Slide-In Campers" should extend beyond the overhanging camper compartment and be free of leaks.

BED STEP — IF EQUIPPED

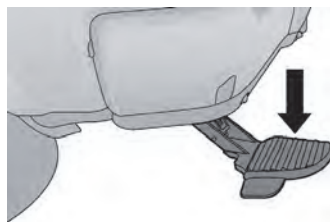
Your vehicle may be equipped with an extendable bed step to provide easier entry and exit into the truck bed. If your vehicle is equipped with a standard tailgate, the step will be located on the driver's side of the tailgate. If equipped with a multifunction tailgate, the step will be located below the center of the tailgate.

Bed Step For Standard Tailgate**Bed Step Location**

To extend the bed step, place your foot on the protruding foot tab located on the left edge of the bed step, and push rearward. A small amount of force will release the spring load and extend the bed step out and away from the tailgate.

**Bed Step Components (Standard Tailgate)**

- 1 — Bed Step
2 — Foot Tab

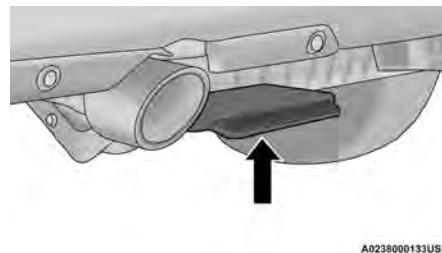
**Bed Step Extended****NOTE:**

Once the spring load is overcome, the bed step will extend out quickly, so be sure to stand in a position that will avoid coming into contact with the step as it extends.

To stow the bed step back under the tailgate, push the bed step forward with your foot until the bed step is retracted by the spring load.

WARNING!

Do not attempt to stow the bed step with your hands. The low clearance space between the bed step and the rear bumper as the bed step returns to the stowed position could result in injury to your hands or fingers.

Bed Step For Multifunction Tailgate**Bed Step Location**

To extend the bed step, place your foot on the top center of the bed step, and push down while pulling rearward. A small amount of force will release the spring load and extend the bed step out and away from the tailgate.

**Bed Step Extended****NOTE:**

Once the spring load is overcome, the bed step will extend out quickly. Be sure to stand in a position that will avoid coming into contact with the step as it extends.

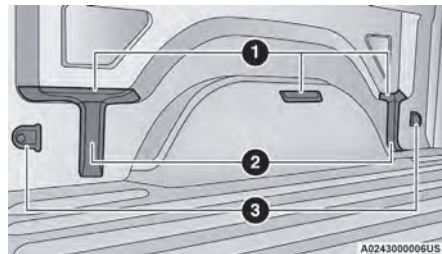
To stow the bed step back under the tailgate, push the bed step forward with your foot until the bed step is retracted by the spring load.

WARNING!

Do not attempt to stow the bed step with your hands. The low clearance space between the bed step and the rear bumper as the bed step returns to the stowed position could result in injury to your hands or fingers.

PICKUP BOX

The pickup box has many features designed for utility and convenience.

**Pickup Box Features**

- 1 — Upper Load Floor Indents
- 2 — Bulk Head Dividers
- 3 — Cleats

NOTE:

If you are installing a toolbox, ladder rack or headache rack at the front of the pickup box, you must use Mopar® Box Reinforcement Brackets that are available from an authorized dealer.

You can carry wide building materials (sheets of plywood, etc.) by building a raised load floor. Place lumber across the box in the indentations provided above the wheel housings and in the bulkhead dividers to form the floor.

WARNING!

- The pickup box is intended for load carrying purposes only, not for passengers, who should sit in seats and use seat belts.
- Care should always be exercised when operating a vehicle with unrestrained cargo. Vehicle speeds may need to be reduced. Severe turns or rough roads may cause shifting or bouncing of the cargo that may result in vehicle damage. If wide building materials are to be frequently carried, the installation of a support is recommended. This will restrain the cargo and transfer the load to the pickup box floor.
- If you wish to carry more than 600 lb (272 kg) of material suspended above the wheelhouse, supports must be installed to transfer the weight of the load to the pickup box floor or vehicle damage may result. The use of proper supports will permit loading up to the rated payload.
- Unrestrained cargo may be thrown forward in an accident causing serious or fatal injury.

There are stampings in the sheet metal on the inner side bulkheads of the box in front of and behind both wheel housings. Place wooden boards across the box from side to side to create separate load compartments in the pickup box.

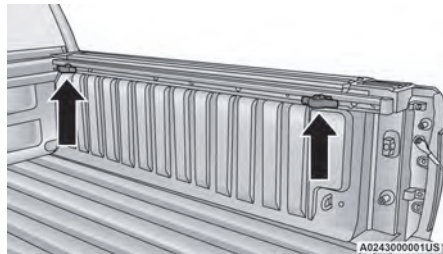
There are four tie-down cleats bolted to the lower sides of the pickup box that can sustain loads up to 1,000 lb (450 kg) total.

BED RAIL TIE-DOWN SYSTEM — IF EQUIPPED

CAUTION!

The maximum load per cleat should not exceed 250 lb (113 kg), or 500 lb (227 kg) total per rail, and the angle of the load on each cleat should not exceed 45 degrees above horizontal, or damage to the cleat or cleat rail may occur.

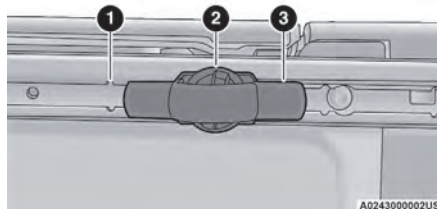
There are two adjustable cleats on each side of the bed that can be used to assist in securing cargo.



Adjustable Cleats

Each cleat must be located and tightened down in one of the detents, along either rail, in order to keep cargo properly secure.

To move the cleat to any position on the rail, turn the nut counterclockwise, approximately three turns. Then pull out on the cleat and slide it to the detent nearest the desired location. Make sure the cleat is seated in the detent and tighten the nut.

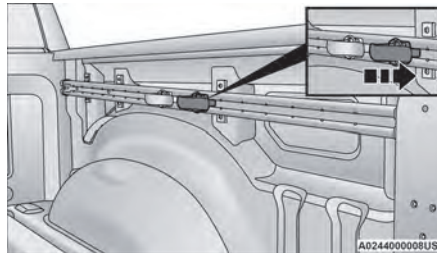


Adjustable Cleat Assembly

- 1 — Utility Rail Detent
- 2 — Cleat Retainer Nut
- 3 — Utility Rail Cleat

Cleat Removal (Standard Box Rail)

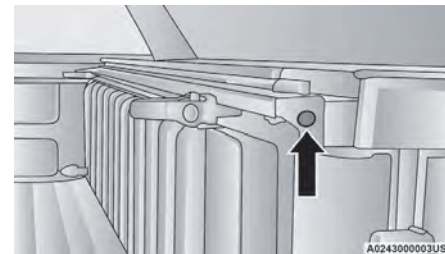
To remove the cleats from the utility rail, slide the cleat forward to access the cut out at the end of the box rail, then remove the cleat.



Slide Cleat Forward To Remove

Cleat Removal (With Tonneau Cover)

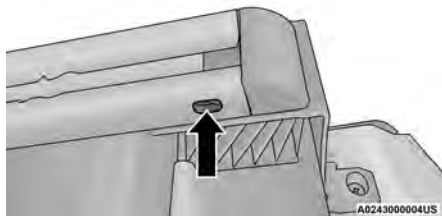
To remove the cleats from the utility rail, remove the end cap screw located in the center of the end cap, using a #T30 Torx head driver. Remove the end cap and slide the cleat off the end of the rail.



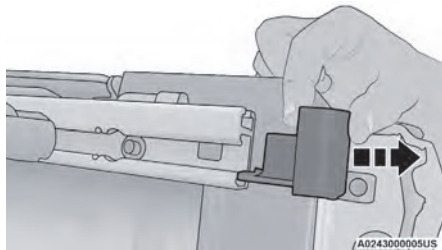
End Cap Screw Location With Tonneau Cover

Cleat Removal (Without Tonneau Cover)

Remove the end cap by pushing upward on the release button located beneath the end cap while pulling the cap away from the rail. The cleat can now be removed by sliding it off the end of the rail.



End Cap Release Button Without Tonneau Cover



Pull End Cap Away From Rail

RAMBOX — IF EQUIPPED

The RamBox system is an integrated pickup box storage and cargo management system consisting of three features:

- Cargo storage bins
- Cargo divider
- Bed rail tie-down system, if equipped

NOTE:

Bed rail tie-down system is also available for vehicles not equipped with a RamBox.

LOCKING AND UNLOCKING RAMBOX

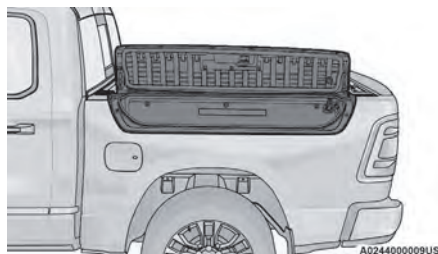
Push and release the lock or unlock button on the key fob to lock or unlock all doors, the tailgate and the RamBox → page 18. To unlatch the storage bin manually, insert the emergency key into the keyhole and turn clockwise. Always return the key to the upright (vertical) position before removing it from the keyhole.

CAUTION!

- Ensure cargo bin lids are closed and latched before moving or driving vehicle.
- Loads applied to the top of the bin lid should be minimized to prevent damage to the lid and latching/hinging mechanisms.
- Damage to the RamBox bin may occur due to heavy/sharp objects placed in bin that shift due to vehicle motion. In order to minimize potential for damage, secure all cargo to prevent movement and protect inside surfaces of bin from heavy/sharp objects with appropriate padding.

RAMBOX CARGO STORAGE BINS

Cargo storage bins are located on both sides of the pickup box. The cargo storage bins provide watertight, lockable, illuminated storage for up to 150 lb (68 kg) of evenly distributed cargo.



RamBox Cargo Storage Bins

CAUTION!

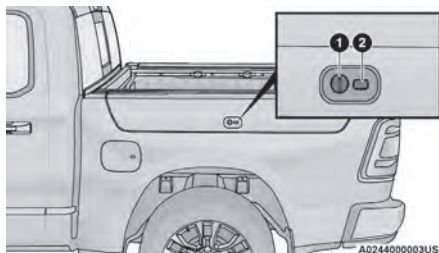
Failure to follow the following items could cause damage to the vehicle:

- Assume that all cargo inside the storage bins is properly secured.
- Do not exceed cargo weight rating of 150 lb (68 kg) per bin.

To open a storage bin with the RamBox unlocked, push and release the button located on the lid. The RamBox lid will open upward to allow hand access. Lift the lid to fully open.

NOTE:

RamBox will not open when the button is pushed if the RamBox is locked.



RamBox Button And Keyhole Lock

- 1 — Keyhole Lock
2 — Button

CAUTION!

Leaving the lid open for extended periods of time could cause the vehicle battery to discharge. If the lid is required to stay open for extended periods of time, it is recommended that the bin lights be turned off manually using the on/off switch.

The interior of the RamBox will automatically illuminate when the lid is opened. The timing can be adjusted within Uconnect Settings ➔ page 189.

Cargo bins feature two removable drain plugs (to allow water to drain from bins). To remove a plug, pull up on the edge. To install, push the plug downward into the drain hole.



RamBox Drain Plug Removal

NOTE:

Provisions are provided in the bins for cargo dividers. These accessories (in addition to other RamBox accessories) are available from Mopar®.

If equipped, a 115 Volt (400 W maximum) inverter may be located inside the RamBox of your vehicle. The inverter can be turned on by the Instrument Panel Power Inverter switch located to the left of the steering wheel. The RamBox inverter can power cellular phones, electronics and other low power devices requiring power up to 400 W. Certain video game consoles exceed this power limit, as will most power tools.



RamBox Power Inverter

The Instrument Panel Power Inverter switch is only found on vehicles equipped with a RamBox. The switch only controls on/off operation of the power outlet in the RamBox; it does not control on/off operation of the power outlets located inside the cabin of the vehicle.



Instrument Panel Power Inverter Switch

RAMBOX SAFETY WARNING

Carefully follow these warnings to help prevent personal injury or damage to your vehicle:

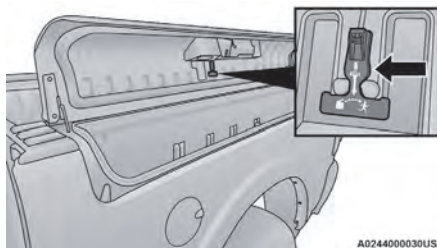
WARNING!

- Always close the storage bin covers when your vehicle is unattended.
- Do not allow children to have access to the storage bins. Once in the storage bin, young children may not be able to escape. If trapped in the storage bin, children can die from suffocation or heat stroke.
- In an accident, serious injury could result if the storage bin covers are not properly latched.
- Do not drive the vehicle with the storage bin covers open.
- Keep the storage bin covers closed and latched while the vehicle is in motion.
- Do not use a storage bin latch as a tie-down.

RamBox Emergency Release Lever

As a security measure, an Emergency Release Lever is built into the storage bin cover latching mechanism.

In the event of an individual being locked inside the storage bin, the storage bin cover can be opened from inside of the bin by pulling on the glow-in-the-dark lever attached to the storage bin cover latching mechanism.



Emergency Release Lever

BED DIVIDER — IF EQUIPPED

The bed divider has two functional positions:

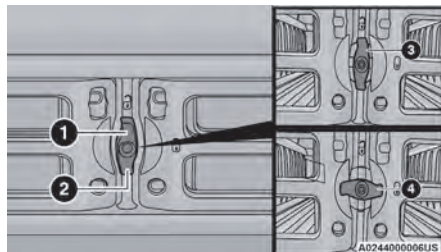
- Storage Position
- Divider Position

Divider Position

The divider position is intended for managing your cargo and assisting in keeping cargo from moving around the bed. There are 11 divider slots along the bed inner panels which allow for various positions to assist in managing your cargo.

To install the bed divider into a divider position, perform the following:

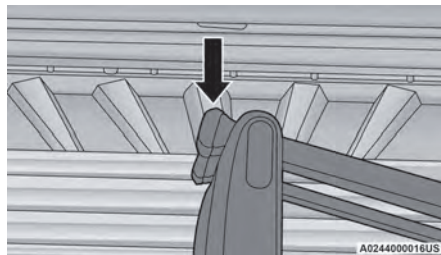
1. Make sure the center handle is unlocked using the vehicle emergency key located within the key fob and rotate the center handle vertically to release the divider side gates.



Center Handle And Lock

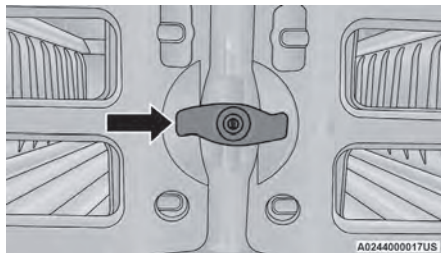
- 1 — Center Handle Lock
- 2 — Handle
- 3 — Unlocked Position
- 4 — Locked Position

2. With the side gates open, position the divider so the outboard ends align with the intended slots in the sides of the bed.



Aligning Gate To Slots

3. Rotate the side gates closed so that the outboard ends are secured into the intended slots of the bed.
4. Rotate the center handle horizontally to secure the side gates in the closed position.

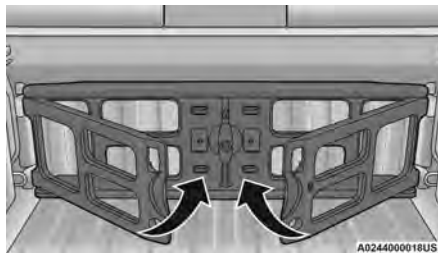
**Side Gates Closed**

5. Lock the center handle to secure the panel into place.

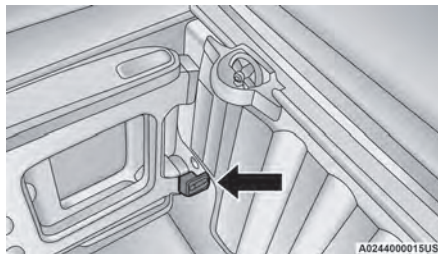
Storage Position

The storage position for the bed divider is at the front of the truck bed which maximizes the bed cargo area when not in use.

To install the bed divider into the storage position, perform the same steps as you would for the divider position, except position the divider fully forward in the bed against the front panel.

**Storage Position**

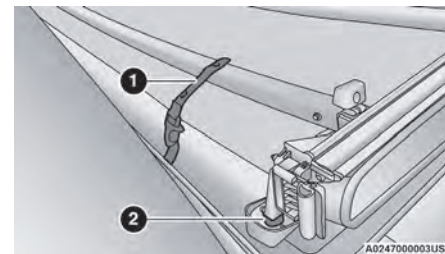
The outboard ends should be positioned in front of the cargo tie-down loops.

**Cargo Tie-Down Loop**

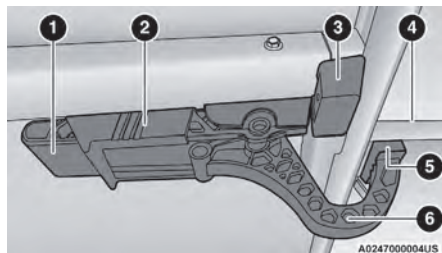
TRI-FOLD TONNEAU COVER — IF EQUIPPED

The Tri-Fold Tonneau Cover can be installed on the truck bed to protect your gear and cargo.

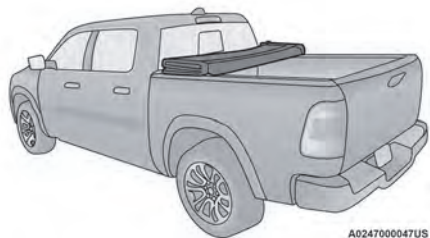
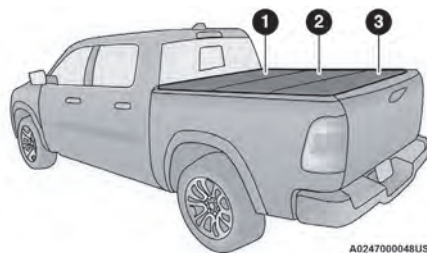
TONNEAU COVER COMPONENTS

**Folded Tonneau Cover Components**

- 1 – Stowage Strap
- 2 – Tonneau Cover Bumper Folded

**Tonneau Cover Latch Components**

- 1 — Handle
- 2 — Slide Locking Lever
- 3 — Locating Bumper
- 4 — Truck Flange Bead
- 5 — Latch Bumper
- 6 — J Hook

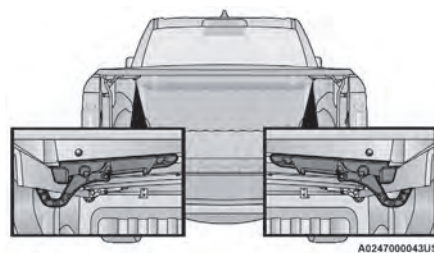
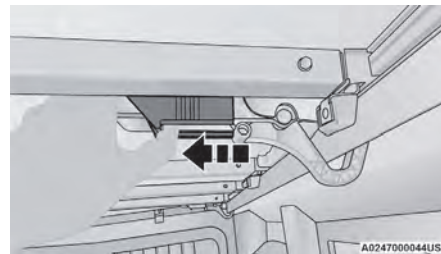
**Position One (Front Latches Latched And Stowage Straps Secured)****Position Two (Front And Rear Latches Latched)**

- 1 — Panel 1
- 2 — Panel 2
- 3 — Panel 3

TRI-FOLD TONNEAU COVER FOLDING FOR DRIVING OR REMOVAL

To remove the Tonneau Cover use the following steps:

1. Open the tailgate to access the rear pair of Tonneau Cover latches located on the underside of the Cover.

**Location Of Rear Latches****Slide Locking Lever Inward**

2. Slide the locking lever toward the inside of the truck bed to release the J Hook and pull the handle downward into the released position.



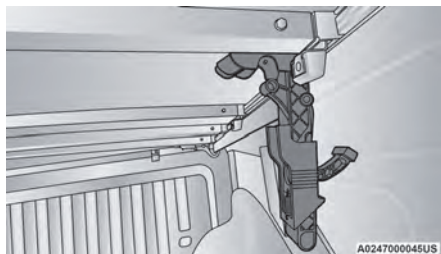
Unlatching Latch



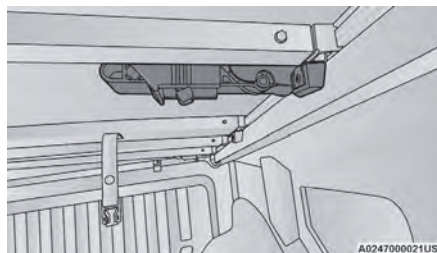
Hold The Bumper And Push The Handle Up



Lift Panel 3 And Fold Onto Panel 2



Released Position



Stowed Position

3. Holding the bumper, push the fully released latch to the center and push up. Push the handle firmly, locking it into the stowed position. Repeat Steps 2 and 3 for the opposite side latch.

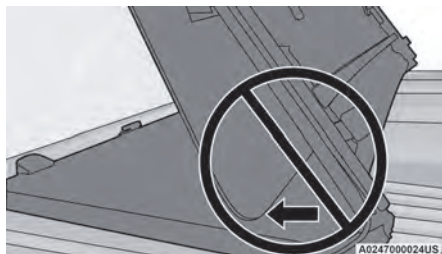
4. Lift up on Panel 3 and fold it onto Panel 2.



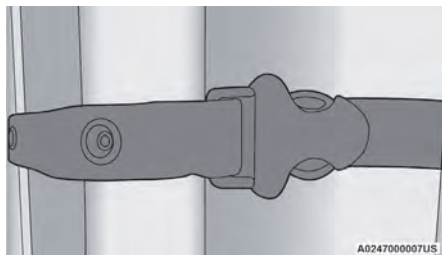
Correct Folding — Hold Panels Together

NOTE:

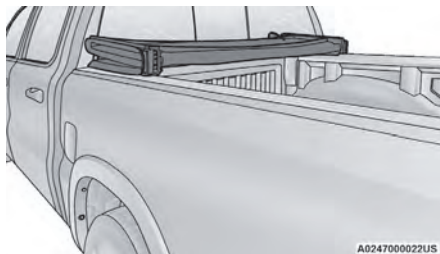
When folding the second and third panels, the sections **MUST** be held together to avoid damage to the cover material. Fold the panel gently. Do not allow the panels to drop under their own weight.

**Incorrect Folding – Will Cause Damage**

5. Lift up on the second and third panel and fold them onto the first panel.

**Stowage Strap Clipped**

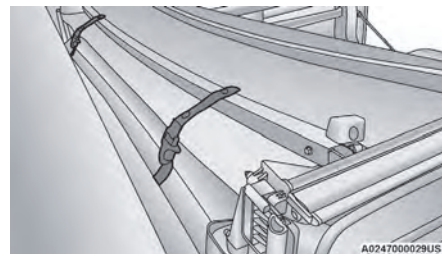
6. Unsnap the stowage strap and clip. Repeat for both straps to prevent the Tonneau Cover panels from unfolding.

**Position One (Front Latches Latched And Stowage Straps Secured)****NOTE:**

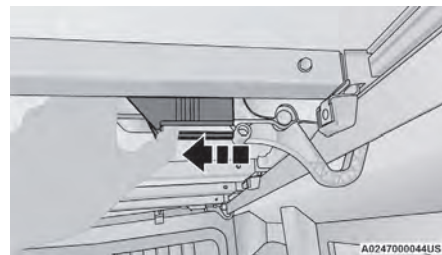
Be sure the Tonneau Cover has been folded completely, and the stowage straps are engaged, before removing.

CAUTION!

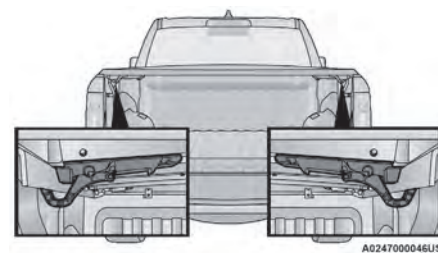
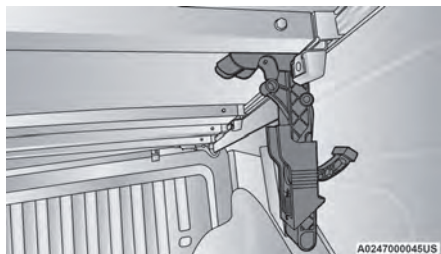
The folded Tonneau Cover must be latched by both front latches and both front stowage straps or damage to the Tonneau Cover or vehicle may occur while driving.

**Fully Folded Tonneau Cover****NOTE:**

The vehicle can be driven with the Tonneau Cover in the folded position or can be completely removed.

**Slide Locking Lever Inward**

7. Slide the locking lever toward the inside of the truck bed to release the J Hook and pull the handle downward into the released position.

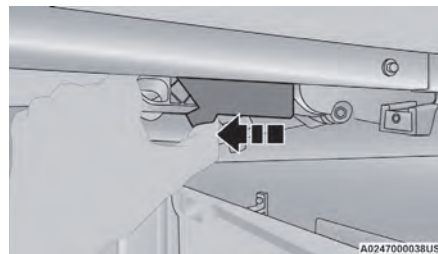
**Unlatching Latch****Hold The Bumper And Push The Handle Up****Location of Front Latches****Released Position**

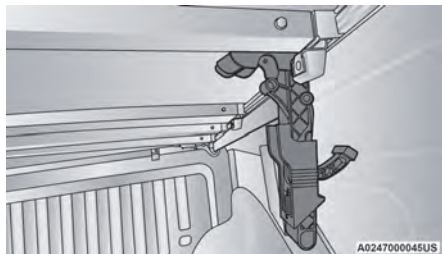
8. Holding the bumper, push the fully released latch to the center and push up. Push the handle firmly, locking it into the stowed position. Repeat Steps 2 & 3 for the opposite side latch.
9. With two people, remove the cover.

TRI-FOLD TONNEAU COVER INSTALLATION

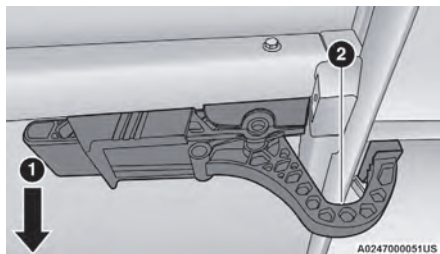
To install the Tonneau Cover follow these steps:

1. Position the Tonneau Cover on the truck bed and center using the locating bumpers.
2. Locate the front pair of Tonneau Cover latches on the underside of the Cover. Slide the locking lever toward the inside of the truck bed and release the latch from the stowed position, and pull the handle downward into the released position. Do this for both the left and right side.

**Slide Locking Lever Towards Inside Of Truck**

**Unlatching Latch****Released Position**

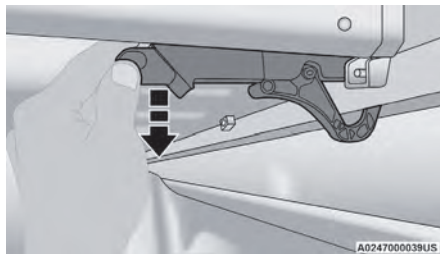
3. Swing the J Hook from the handle and push the handle to the center and up, ensuring that the J Hook is under the truck flange. Push up on the handle firmly, locking it into the latched position.

**J Hook Under Truck Flange**

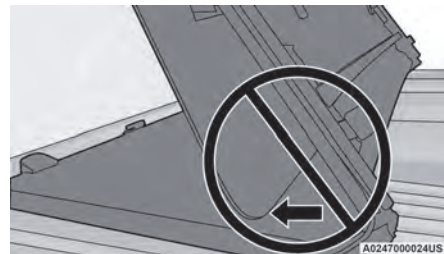
- 1 — Front Of Truck
- 2 — J Hook

NOTE:

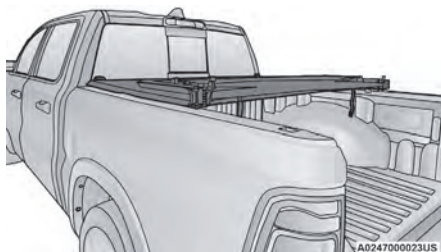
Make sure the bumper is in front of the truck flange bead.

**Pull Handle Downward**

4. Pull down on the handle to ensure the Slide Locking Lever is fully engaged. Do this for both the left and right side.
5. Unclip the stowage straps, and re-snap them to the bow.
6. Unfold the Tonneau Cover to the second panel position.

**Incorrect Folding — Will Cause Damage****NOTE:**

When folding the second and third panels, the sections **MUST** be held together to avoid damage to the cover material. Fold the panel gently. Do not allow the panels to drop under their own weight.



Second Panel Position

NOTE:

Unfold the panel gently, and do not allow the panels to drop under their own weight.

7. Completely unfold the Tonneau Cover.

CAUTION!

The vehicle cannot be driven when the Tonneau Cover is in the second panel position.

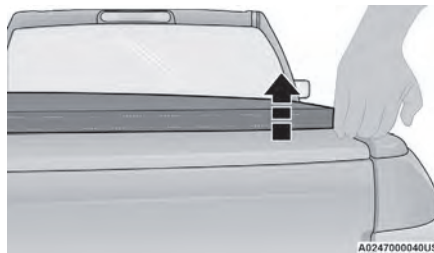


Position Two (Fully Unfolded)

8. Repeat steps 2 through 3 for the rear pair of latches.
9. Pull down on the handle to ensure the Slide Locking Lever is fully engaged. Do this for both the left and right side.

NOTE:

Also check to ensure the latch yellow bumpers are forward of the bead on the underside of the truck flange. Make sure that the Tonneau Cover is positioned fully forward, so that the bumper clears the bead.



Pull Up On Tonneau Cover Corners

10. Gently pull up on all four corners of the Tonneau Cover to ensure that it is properly latched.

WARNING!

You must ensure the Tonneau Cover is properly installed on the vehicle before driving. An unsecured Tonneau Cover can fly off of the vehicle while in motion, resulting in a collision, personal injury, and death. Failure to follow this procedure can also damage the vehicle and the Tonneau Cover.

CAUTION!

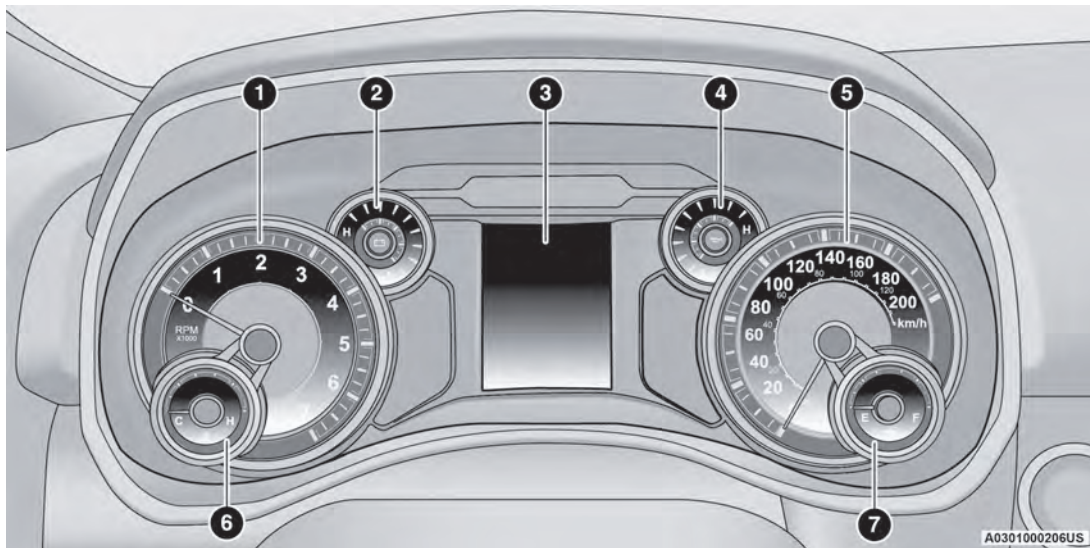
It is the driver's responsibility to ensure the Tonneau Cover is properly installed on the vehicle. Failure to follow this procedure can result in detachment of the Tonneau Cover from the vehicle and/or damage to the vehicle/Tonneau Cover.

TRI-FOLD TONNEAU COVER CLEANING

For proper cleaning of the Tonneau Cover, use Mopar® Whitewall & Vinyl Top Cleaner and Mopar® Leather & Vinyl Conditioner/Protectant.

GETTING TO KNOW YOUR INSTRUMENT PANEL

MIDLINE INSTRUMENT CLUSTER — GASOLINE



MIDLINE INSTRUMENT CLUSTER DESCRIPTIONS — GASOLINE

1. Tachometer

- Indicates the engine speed in revolutions per minute (RPM x 1000).

2. Voltmeter

- When the vehicle is in the RUN state, the gauge indicates the electrical system voltage. The pointer should stay within the normal range if the battery is charged. If the pointer moves to either extreme left or right and remains there during normal driving, the electrical system should be serviced.

NOTE:

In vehicles equipped with Stop/Start, a reduced voltage may be present during an Autostop.

3. Instrument Cluster Display

- When the appropriate conditions exist, this display shows the instrument cluster display messages → page 91.
- The display always shows one of the main menu items after ignition on.

4. Oil Pressure Gauge

- The pointer should always indicate the oil pressure when the engine is running. A continuous high or low reading under normal driving conditions may indicate a lubrication system malfunction. Immediate service should be obtained from an authorized dealer.

NOTE:

In vehicles equipped with Stop/Start, an oil pressure indication of zero is normal during an Autostop.

5. Speedometer

- Indicates vehicle speed.

NOTE:

A chime will sound when the vehicle speed is above 120 km/h.

6. Temperature Gauge

- The pointer shows engine coolant temperature. The pointer positioned within the normal range indicates that the engine cooling system is operating satisfactorily.
- The pointer will likely indicate a higher temperature when driving in hot weather, up mountain grades, or when towing a trailer. It should not be allowed to exceed the upper limits of the normal operating range.

WARNING!

A hot engine cooling system is dangerous. You or others could be badly burned by steam or boiling coolant. You may want to call an authorized dealer for service if your vehicle overheats → page 307.

CAUTION!

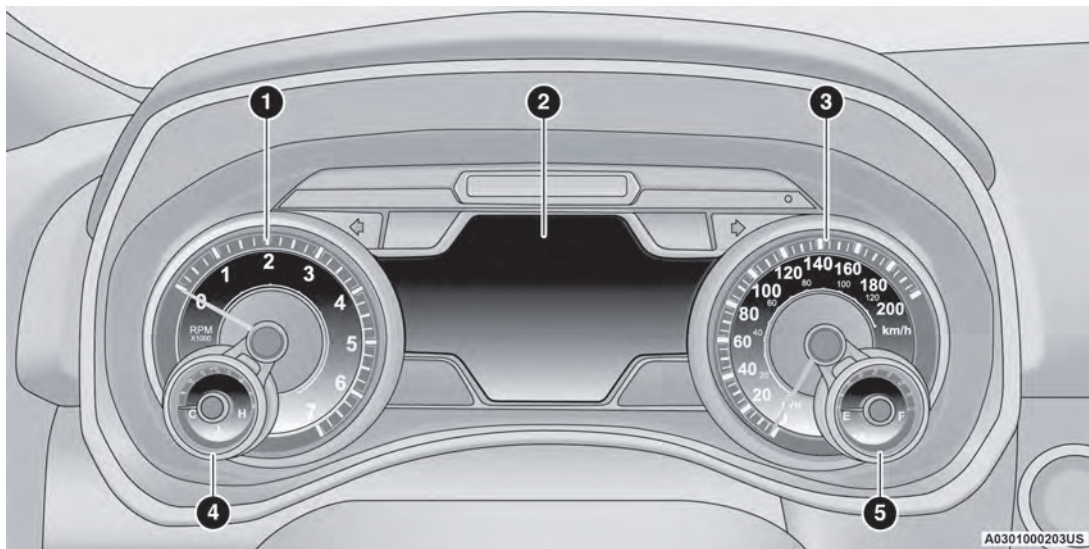
Driving with a hot engine cooling system could damage your vehicle. If the temperature gauge reads "H," pull over and stop the vehicle. Idle the vehicle with the air conditioner turned off until the pointer drops back into the normal range. If the pointer remains on the "H," turn the engine off immediately and call an authorized dealer for service.

7. Fuel Gauge

- The pointer shows the level of fuel in the fuel tank when the ignition is in the ON/RUN position.
- The fuel pump symbol points to the side of the vehicle where the fuel door is located.



HIGHLINE INSTRUMENT CLUSTER — GASOLINE



HIGHLINE INSTRUMENT CLUSTER DESCRIPTIONS — GASOLINE

1. Tachometer

- Indicates the engine speed in revolutions per minute (RPM x 1000).

2. Instrument Cluster Display

- When the appropriate conditions exist, this display shows the instrument cluster display messages → page 91.
- The display always shows one of the main menu items after ignition on.

3. Speedometer

- Indicates vehicle speed.

NOTE:

A chime will sound when the vehicle speed is above 120 km/h.

4. Temperature Gauge

- The pointer shows engine coolant temperature. The pointer positioned within the normal range indicates that the engine cooling system is operating satisfactorily.
- The pointer will likely indicate a higher temperature when driving in hot weather, up mountain grades, or when towing a trailer. It should not be allowed to exceed the upper limits of the normal operating range.

WARNING!

A hot engine cooling system is dangerous. You or others could be badly burned by steam or boiling coolant. You may want to call an authorized dealer for service if your vehicle overheats → page 307.

CAUTION!

Driving with a hot engine cooling system could damage your vehicle. If the temperature gauge reads "H," pull over and stop the vehicle. Idle the vehicle with the air conditioner turned off until the pointer drops back into the normal range. If the pointer remains on the "H," turn the engine off immediately and call an authorized dealer for service.

5. Fuel Gauge

- The pointer shows the level of fuel in the fuel tank when the ignition is in the ON/RUN position.
- The fuel pump symbol points to the side of the vehicle where the fuel door is located.



PREMIUM INSTRUMENT CLUSTER — GASOLINE



Holding the **OK** button on the Instrument Cluster Display controls located on the steering wheel will allow you to change your display from Digital to Analog.

PREMIUM INSTRUMENT CLUSTER DESCRIPTIONS — GASOLINE

1. Temperature Gauge

- The temperature gauge shows engine coolant temperature. Any reading within 203 °F - 230 °F (95 °C - 110 °C) indicates that the engine cooling system is operating satisfactorily.
- The pointer will likely indicate a higher temperature when driving in hot weather, up mountain grades, or when towing a trailer. It should not be allowed to exceed the upper limits of the normal operating range.

WARNING!

A hot engine cooling system is dangerous. You or others could be badly burned by steam or boiling coolant. You may want to call an authorized dealer for service if your vehicle overheats ➞ page 307.

CAUTION!

Driving with a hot engine cooling system could damage your vehicle. If the temperature gauge reads "H," pull over and stop the vehicle. Idle the vehicle with the air conditioner turned off until the pointer drops back into the normal range. If the pointer remains on the "H," turn the engine off immediately and call an authorized dealer for service.

2. Speedometer

- Indicates vehicle speed.

NOTE:

A chime will sound when the vehicle speed is above 120 km/h.

3. Fuel Gauge

- The pointer shows the level of fuel in the fuel tank when the Keyless Push Button Ignition is in the ON/RUN position.
- The fuel pump symbol points to the side of the vehicle where the fuel door is located.



4. Tachometer

- Indicates the engine speed in revolutions per minute (RPM x 1000).

5. Instrument Cluster Display

- The instrument cluster display features a driver interactive display ➞ page 91.

NOTE:

The hard telltales will illuminate for a bulb check when the ignition is first cycled.

PREMIUM INSTRUMENT CLUSTER — TRX



Holding the **OK** button on the Instrument Cluster Display controls located on the steering wheel will allow you to change your display from Analog to Digital.

PREMIUM INSTRUMENT CLUSTER DESCRIPTIONS — GASOLINE

1. Tachometer

- Indicates the engine speed in revolutions per minute (RPM x 1000).

2. Speedometer

- Indicates vehicle speed.

NOTE:

A chime will sound when the vehicle speed is above 120 km/h.

3. Temperature Gauge

- The temperature gauge shows engine coolant temperature. Any reading within 203°F - 230°F (95°C - 110°C) indicates that the engine cooling system is operating satisfactorily.
- The pointer will likely indicate a higher temperature when driving in hot weather, up mountain grades, or when towing a trailer. It should not be allowed to exceed the upper limits of the normal operating range.

WARNING!

A hot engine cooling system is dangerous. You or others could be badly burned by steam or boiling coolant. You may want to call an authorized dealer for service if your vehicle overheats ➡ page 307.

CAUTION!

Driving with a hot engine cooling system could damage your vehicle. If the temperature gauge reads "H," pull over and stop the vehicle. Idle the vehicle with the air conditioner turned off until the pointer drops back into the normal range. If the pointer remains on the "H," turn the engine off immediately and call an authorized dealer for service.

4. Instrument Cluster Display

- The instrument cluster display features a driver interactive display ➡ page 91.

NOTE:

The hard telltales will illuminate for a bulb check when the ignition is first cycled.

5. Fuel Gauge

- The pointer shows the level of fuel in the fuel tank when the Keyless Push Button Ignition is in the ON/RUN position.
- The fuel pump symbol points to the side of the vehicle where the fuel door is located.



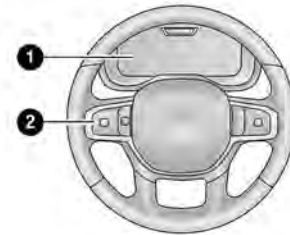
INSTRUMENT CLUSTER DISPLAY

Depending on your vehicle's trim level, features and options may vary.

Your vehicle will be equipped with an instrument cluster display, which offers useful information to the driver. With the ignition in the OFF mode, opening/closing of a door will activate the display for viewing, and display the total miles, or kilometers, in the odometer. Your instru-

ment cluster display is designed to display important information about your vehicle's systems and features. Using a driver interactive display located on the instrument panel, your instrument cluster display can show you how systems are working and give you warnings when they are not. The steering wheel mounted controls allow you to scroll through the main menus and submenus. You can access the specific information you want and make selections and adjustments.

INSTRUMENT CLUSTER DISPLAY LOCATION AND CONTROLS

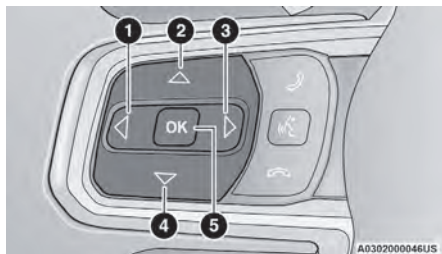


AB302000212US

Instrument Cluster Display/Controls Location

- 1 - Instrument Cluster Display Screen
- 2 - Instrument Cluster Display Controls

The system allows the driver to select information by pushing the following instrument cluster display control buttons located on the left side of the steering wheel.



Midline/Highline Instrument Cluster Display Control Buttons

- 1 — Left Arrow Button
- 2 — Up Arrow Button
- 3 — Right Arrow Button
- 4 — Down Arrow Button
- 5 — OK Button



Premium Instrument Cluster Display Control Buttons

- 1 — Left Arrow Button
- 2 — Up Arrow Button
- 3 — Right Arrow Button
- 4 — Down Arrow Button
- 5 — OK Button
- 6 — Menu Button

Up ▲ And Down ▼ Arrow Buttons:

Using the **up** ▲ or **down** ▼ arrow button allows you to cycle through the main menu items.

Left ◀ And Right ▶ Arrow Buttons:

Using the **left** ◀ or **right** ▶ arrow button allows you to cycle through the submenu items of the main menu item.

NOTE:

- Holding the **up** ▲ / **down** ▼ or **left** ◀ / **right** ▶ arrow button will loop the user through the currently selected menu or options presented on the screen.
- Main menu and submenus wrap for continuous scrolling.

- Upon returning to a main menu, the last submenu screen viewed within that main menu will be displayed.

OK Button:

For Digital Speedometer:

- Pushing the **OK** button changes units (mph or km/h).

Menu Button

- Press Menu button for Home Screen display.
- Navigate **left** ◀ or **right** ▶ to highlight desired tile. Press **OK** to select desired. Once **OK** is pressed, cluster will navigate to selected submenu (e.g. "Audio").

NOTE:

Exiting Home Screen Speed Limit tile and Navigation tile with no Ethernet navigates to Speedometer submenu.

- Press **up** ▲ or **down** ▼ to select different screen within selected category.
- If Menu button is pressed while in this view, cluster will return to previously displayed screen.
- Press and hold **OK** button to enter edit mode.
 - Instruction text may overlay lower tachometer

For Screen Setup:

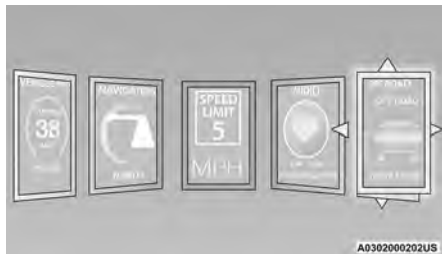
- **OK** button allows user to enter menu and submenus.
- Within each submenu layer, the **left** ◀ and **Right** ▶ arrow buttons will allow the user to select the item of interest.
- Pushing the **OK** button makes the selection and a confirmation screen will appear (returning the user to the first page of the submenu).

- Pushing the **up** Δ arrow button will exit each sub-menu layer and return to the main menu.

Custom Tile Configuration — If Equipped

To customize the instrument cluster further, you are able to select up to five tiles to display information based on your needs.

- Press the **MENU** button for the Home Screen display
- Navigate **Left** \triangleleft or **Right** \triangleright to highlight desired tile
- Press **OK** to select the tile and navigate to the selected submenu and press **OK** again to add your selection to your tile view
- If equipped, the main menu options of the home screen are Driver Info, Vehicle Info, Navigation, Audio, and Off Road



Custom Tile Screen Example

You can customize your Instrument Cluster Display with up to five tiles that may consist of the following:

NOTE:

These options may vary based on your vehicle trim level.

- **Navigation**
 - Route Set / Route Not Set
 - Trip A / Trip B
- **Vehicle Info**
 - Coolant Temp
 - Trans Temp
 - Oil Temp
 - Oil Pressure
 - Battery Voltage
 - Oil Life
 - Tire Pressure
 - Fuel Economy
 - Air Suspension
- **Driver Info**
 - Driver Assist
- **Audio**
 - Audio Info
- **Off Road**
 - Selec-Terrain / Air Suspension Status
 - Steering Angle
 - Pitch
 - Roll
- **Trailer Tow**
 - Trailer Trip
 - Trailer Brake
 - Trailer Tire Pressure Monitor

OIL LIFE RESET

Your vehicle is equipped with an engine oil change indicator system. The “Oil Change Required” message will display in the instrument cluster display for five seconds after a single chime has sounded, to indicate the next scheduled oil change interval. The engine oil

change indicator system is duty cycle based, which means the engine oil change interval may fluctuate, dependent upon your personal driving style.

Unless reset, this message will continue to display each time you place the ignition in the ON/RUN position. To turn off the message temporarily, push and release the **OK** or arrow buttons. To reset the oil change indicator system (after performing the scheduled maintenance), refer to the following procedure:

1. Without pressing the brake pedal, push the **ENGINE START/STOP** button and place the ignition in the ON/RUN position (do not start the engine).
2. Push and release the **down** ∇ arrow button to scroll downward through the main menu to “Vehicle Info.”
3. Push and release the **right** \triangleright arrow button to access the “Oil Life” screen.
4. Push and hold the **OK** button to reset oil life. If conditions are met, the gauge and numeric display will update to show 100%. If conditions are not met a pop-up message of “To reset oil life engine must be off with ignition in run” will be displayed (for five seconds), and the user will remain at the Oil Life screen.
5. Push and release the **up** Δ or **down** ∇ arrow button to exit the submenu screen.

NOTE:

If the indicator message illuminates when you start the vehicle, the oil change indicator system did not reset. If necessary, repeat this procedure.

DISPLAY MENU ITEMS

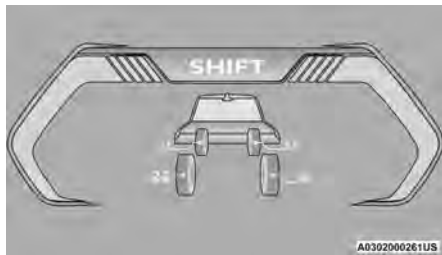
Push and release the **up** Δ or **down** ∇ arrow button until the desired selectable menu icon is highlighted in the instrument cluster display.

Speedometer

Push and release the **up** Δ or **down** ∇ arrow button until the speedometer menu item is highlighted in the instrument cluster display. Push and release the **OK** button to cycle the display between mph and km/h.

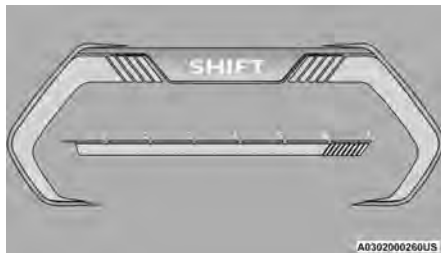
Speedometer options are as follows:

- Analog
- Digital
- Sport View
 - Oil Pressure
 - Speedometer
 - Tire Pressure



Sport View Cluster Screen

- Baja View
 - Gear
 - Speedometer
 - G-Force



Baja View Cluster Screen

Driver Assist — If Equipped

The Driver Assist menu displays the status of the ACC and LaneSense systems.

Push and release the **up** Δ or **down** ∇ arrow button until the Driver Assist menu is displayed in the instrument cluster display.

Adaptive Cruise Control (ACC) Feature

The instrument cluster display displays the current ACC system settings. The information displayed depends on ACC system status.

Push the ACC on/off button (located on the steering wheel) until one of the following displays in the instrument cluster display:

Adaptive Cruise Control Off

When ACC is deactivated, the display will read "Adaptive Cruise Control Off."

Adaptive Cruise Control Ready

When ACC is activated but the vehicle speed setting has not been selected, the display will read "Adaptive Cruise Control Ready."

Push the SET + or the SET- button (located on the steering wheel) and the following will display in the instrument cluster display:

ACC SET

When ACC is set, the set speed will display in the instrument cluster \rightarrow page 144.

The ACC screen may display once again if any ACC activity occurs, which may include any of the following:

- Distance Setting Change
- System Cancel
- Driver Override
- System Off
- ACC Proximity Warning
- ACC Unavailable Warning

LaneSense — If Equipped

The instrument cluster display displays the current LaneSense system settings. The information displayed depends on LaneSense system status and the conditions that need to be met \rightarrow page 110.

Vehicle Info

Push and release the **up** Δ or **down** ∇ arrow button until the Vehicle Info menu icon is displayed in the instrument cluster display. Push and release the **left** \triangleleft or **right** \triangleright arrow button to scroll through the information submenus and push and release the **OK** button to select or reset the submenus.

BASE AND MIDLINE CLUSTER

- Tire Pressure Monitor System
- Air Suspension — If Equipped
- Coolant Temperature — If Equipped
- Trans Temperature

- Oil Temperature
- Oil Pressure — If Equipped
- Oil Life
- Battery Voltage — If Equipped
- Gauge Summary — If Equipped
 - Coolant Temp
 - Trans Temp
 - Oil Temp
 - Oil Pressure
- Engine Hours — If Equipped

PREMIUM CLUSTER

- Fuel Economy
 - Average
 - Current
 - Range to Empty
- Gauge Summary
 - Coolant Temperature — If Equipped
 - Battery Voltage — If Equipped
 - Trans Temperature
- Oil Summary
 - Oil Temperature
 - Oil Life
 - Oil Pressure — If Equipped
- Tire Pressure Monitor System
- Stop/Start — If Equipped
- Air Suspension Status — If Equipped
- Engine Hours — If Equipped

Fuel Economy

Push and release the **up** Δ or **down** ∇ arrow button until the Fuel Economy menu item is highlighted in the instrument cluster display. Push and hold the **OK** button to reset Average Fuel Economy.

- Current Fuel Economy
- Average Fuel Economy
- Range To Empty

Stop/Start — If Equipped

Push and release the **up** Δ or **down** ∇ arrow button until the Stop/Start icon/title is highlighted in the instrument cluster display. The screen will display the Stop/Start status.

Off Road – If Equipped

Push and release the **up** Δ or **down** ∇ arrow button until the Off Road menu icon is displayed in the instrument cluster display. Push and release the **left** \triangleleft or **right** \triangleright arrow button to scroll through the information submenus.

- Vehicle Dynamics
 - Front Wheel Angle: displays the graphical and numerical value of calculated average front wheel angle from the steering wheel orientation.
 - Transfer Case Lock Status: displays “Lock” graphic only during 4WD High, 4WD Auto, 4WD Low status.
 - Axle Lock And Sway Bar Status (If Equipped): displays front and rear or rear only axle locker graphic, and sway bar connection graphic with text message (connected or disconnected).

- Pitch And Roll
 - Displays the pitch and roll of the vehicle in the graphic with the angle number on the screen.

NOTE:

When vehicle speed becomes too high to display the pitch and roll, “-” will display in place of the numbers, and the graphic will be grayed out. A message indicating the necessary speed for the feature to become available will also display.

Performance Features — If Equipped

Push and release the **up** Δ or **down** ∇ arrow button until the Performance icon/title is highlighted in the instrument cluster display. Push and release the **left** \triangleleft or **right** \triangleright arrow button to scroll through the performance feature submenus.

WARNING!





Measurement of vehicle statistics with the Performance Features is intended for off-highway or track use only and should not be done on any public roadways. It is recommended that these features be used in a controlled environment and within the limits of the law. The capabilities of the vehicle as measured by the performance pages must never be exploited in a reckless or dangerous manner, which can jeopardize the user's safety or the safety of others. Only a safe, attentive, and skillful driver can prevent accidents.

The Performance Features include the following:

Speed Timers	0-60 MPH (0-100 km/h) Timer <ul style="list-style-type: none">• Best• Last• Current 0-100 MPH (0-160 km/h) Timer <ul style="list-style-type: none">• Best• Last• Current
Drag Timers	0-60 feet (0-20 meters)/Reaction Timer <ul style="list-style-type: none">• Best• Last• Current NOTE: Reaction Time result is shown only on the 60 ft timer tab. 0-330 feet (0-100 meters) Timer <ul style="list-style-type: none">• Best• Last• Current 1/8 Mile (200 meters) Timer <ul style="list-style-type: none">• Best• Last• Current 0-1000 feet (0-300 meters) Timer <ul style="list-style-type: none">• Best• Last• Current 1/4 Mile (400 meters) Timer <ul style="list-style-type: none">• Best• Last• Current
Braking Distance	<ul style="list-style-type: none">• Distance• From Speed

G-Forces	<ul style="list-style-type: none"> • Current • Peak
Lap Timer	Shows times for Last, Best, and Current laps ran.
Lap History	<ul style="list-style-type: none"> • Will list the last four laps with the best lap highlighted in green.
Top Speed	Shows the top speed of the vehicle.






Trip Info

Push and release the **up**  or **down**  arrow button until the Trip menu item is highlighted in the instrument cluster display. Push and release the **right**  or **left**  arrow button to enter the submenus of Trip A and Trip B. The Trip A or Trip B information will display the following:



- Distance
- Average Fuel Economy
- Elapsed Time



Push and hold **OK** button to reset all information.


Navigation — If Equipped

Push and release the **up**  or **down**  arrow button until the Navigation display title is highlighted in the instrument cluster display. “Hold **OK** to Start Route” will display when no active route is set. “Hold **OK** to Cancel Route” will display when active route is set. Use the **left**  or **right**  arrow button to zoom in or out on the display  page 189.



Trailer Tow — If Equipped

Push and release the **up**  or **down**  arrow button until the Trailer Tow menu item is highlighted in the instrument cluster display.

Push and release the **right**  or **left**  arrow button to cycle through the following trailer tow information:

- **Trip (trailer specific) Distance:** Push and hold the **OK** button to reset the distance.
- **Integrated Trailer Brake Module (ITBM):**
 - Braking Output
 - Trailer Type
 - ITBM Gain
- **Trailer Tire Pressure Monitoring:** The Instrument Cluster Display will display the Trailer Tire Pressure for a connected trailer with sensors that match the active trailer profile. When a low tire is present, the low tire value will be displayed in red, and the affected low tire will have a red glow. “Trailer Tire Low” will be displayed on the center bottom of the Instrument Cluster Display screen.
- **Trailer Light Check — If Equipped:** Push and hold the **OK** button to begin the Trailer Light Test sequence  page 176.

Audio

Push and release the **up**  or **down**  arrow button until the Audio Menu icon/title is highlighted in the instrument cluster display. This menu will display the audio source information, including the Song name, Artist name, and audio source with an accompanying graphic.





Phone Call Status

When a call is incoming, a Phone Call Status pop-up will display on the screen. The pop-up will remain until the phone is answered or ignored.



NOTE:

The call status will temporarily replace the previous media source information displayed on the screen. When the pop-up is no longer displayed, the display will return to the last used screen.





Stored Messages

Push and release the **up**  or **down**  arrow button until the Messages Menu item is highlighted. This feature shows the number of stored warning messages Example: “Oil Change Required”. Push and release the **right**  or **left**  arrow button to cycle through stored messages.



Diagnostics

Push and release the **up**  or **down**  arrow button until the Diagnostics icon/title is highlighted in the instrument cluster display. Push and release the **OK** button to display the diagnostic trouble codes and descriptions. When the end of the list is reached, “No or End of Diagnostic Code” will appear in the instrument cluster display.

Speed Warning

Push and release the **up**  or **down**  arrow button until the Speed Warning Menu icon/title is displayed in the instrument cluster display. Push and release **OK** to enter speed warning. Use the **up**  or **down**  arrow button to select a desired speed, then push and release **OK** to set the speed. The white passive speed limiter telltale will light up with a notification text message (Speed Warning Set to XX, followed by the selected unit). When the set speed is exceeded, an audible chime will sound until the speed is no longer exceeded. The white passive speed limiter telltale will turn yellow and will flash, and a pop-up message of "Speed Warning Exceeded" will display.


NOTE:

You can turn the Speed Warning off by using the **up**  / **down**  arrow button to scroll through speed list and select **OFF** at the bottom of the list.



Settings

Head Up Display (HUD) – If Equipped

NOTE:

The HUD feature Settings are available at any vehicle speed  page 99.

Screen Setup Driver Selectable Items

Push and release the **left**  or **right**  arrow button until the Settings Menu Icon/Title is highlighted in the instrument cluster display. Push and release the **OK** button to enter the submenus and follow the prompts on the screen as needed. The Settings feature allows you to change what information is displayed in the instrument cluster as well as the location that information is displayed.

NOTE:

Depending on the vehicle's trim level and current status, some options may not be available. The Settings feature is only available when the vehicle speed is less than 5 mph (8 km/h).

MIDLINE AND HIGHLINE CLUSTER

Upper Left or Right		
None	Time	Current Econ
Compass	Range	Trip A Distance
Outside Temp	Average Econ	Trip B Distance
Trailer Trip – If Equipped	Oil Pressure – If Equipped	Oil Temperature – If Equipped
Trailer Brake – If Equipped	Coolant Temp – If Equipped	Battery Voltage – If Equipped
Transmission Temperature – If Equipped	Oil Life – If Equipped	

Favorite Menus		
Speedometer	Vehicle Info	Performance
Off Road	Driver Assist (show/hide) – If Equipped	Fuel Economy (show/hide)
Trip Info (show/hide)	Trailer Tow – If Equipped (show/hide)	Audio (show/hide)
Messages (Stored)	Settings	Diagnostics

Left Side and Right Side – If Equipped		
None	Range To Empty	Average Econ
Oil Temp	Transmission Temp	Coolant Temp
Oil Life	Menu Icon	

Lower Left and Lower Right – If Equipped		
None	Time	Current Econ
Compass	Range To Empty	Trip A Distance
Outside Temp	Average Econ	Trip B Distance
Trailer Trip – If Equipped	Trailer Brake – If Equipped	Oil Pressure
Coolant Temperature	Oil Temperature	Battery Voltage
Transmission Temperature	Oil Life	

Current Gear

- Off
- On

Odometer

- No Decimal Point
- Decimal Point

Defaults (Restores All Settings To Default Settings)

- Cancel
- Restore

PREMIUM CLUSTER

Display Style

- Modern
- Traditional

Upper Left or Right		
None	Time	Current Econ
Compass	Range	Trip A Distance
Outside Temp	Average Econ	Trip B Distance
Trailer Trip – If Equipped		

Upper Center		
None	Badge	Compass
Outside Temp	Time	Range To Empty
Average Econ	Current Econ	Trip A Distance
Trip B Distance	Trailer Trip	Audio (show/hide)

Current Gear

- Off
- On

Odometer

- No Decimal Point
- Decimal Point
- Hide

Fuel Gauge

- Hide Range
- Show Range

Favorite Menus		
Performance	Trip Info (show/hide)	Navigation
Off Road	Trailer Tow – If Equipped (show/hide)	Audio (show/hide)

Defaults (Restores All Settings To Default Settings)

- Restore
- Cancel

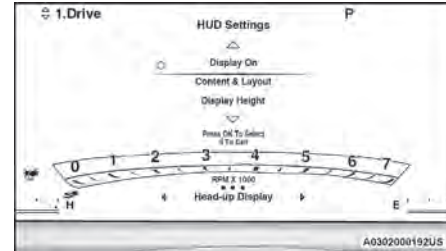
HEAD UP DISPLAY (HUD) – IF EQUIPPED

NOTE:

The HUD feature Settings are available at any vehicle speed. Some information like speed limit or Driver Assist may not appear on the HUD unless your vehicle is equipped Traffic Sign Assist or Driver Assist systems. Push and release the **up** Δ or **down** ∇ arrow button until the Settings Menu icon/title is highlighted in the instrument cluster display. Push and release the **left** \triangleleft or **right** \triangleright arrow button until the HUD Menu icon/title is highlighted in the instrument cluster display. Push and release the **OK** button to enter HUD. Use the **up** Δ or **down** ∇ arrow button to select a setting, then push and release the **OK** button to adjust the setting.

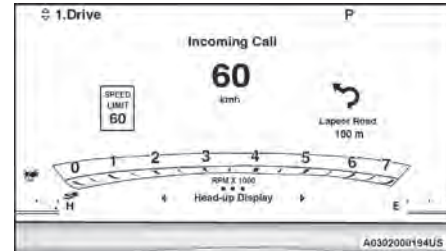
- Content and Layout

When “Display On” is selected, the HUD will display on the windshield. When it is not selected, nothing displays on the windshield.



HUD ON/OFF

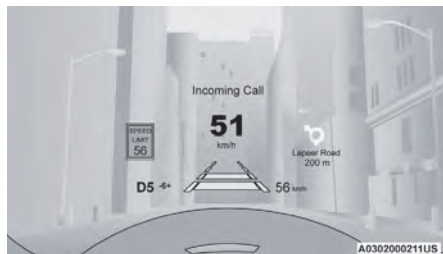
- Content and Layout
- **Simple:** Speed, Speed Limit
- **Standard:** Speed, Speed Limit, Navigation



Standard Mode

When “Standard” mode is selected, the HUD image is split into thirds with the speed limit indicator shown to the left, vehicle speed in the center, and turn-by-turn navigation to the right.

- **Advanced:** Speed, Speed Limit, Navigation, Driver Assist (ACC/Cruise, LaneSense, Highway Assist/Highway Assist+), Gear



Advanced Mode

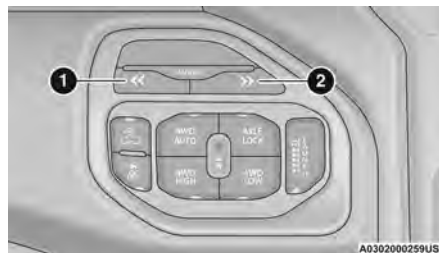
When “Advanced” mode is selected, the HUD displays the vehicle speed, turn-by-turn navigation, speed limit, driver assist function(s), and current gear.

- **Custom 1:** Speed, Speed Limit
- **Custom 2:** Speed, Speed Limit, Navigation
- **Custom 3:** Speed, Speed Limit, Navigation, Driver Assist (ACC/Cruise, LaneSense, Highway Assist/Highway Assist+)
- **Custom 4:** Speed, Speed Limit, Navigation, Driver Assist (ACC/Cruise, LaneSense, Highway Assist/Highway Assist+), Gear
- Display Height
- Brightness

NOTE:

- The HUD basic settings (Brightness, Display Height and Non Custom layouts), are controlled through the Settings Screen in the Instrument Cluster
➡ page 91.
- HUD custom content layout preferences can be selected through your touchscreen. For more information, please refer to your Uconnect Owner’s Manual Supplement.

TRX DRIVE MODE



Drive Mode Buttons

- 1 – Left Drive Mode Arrow
- 2 – Right Drive Mode Arrow

Push and release the **left** ◀ or **right** ▶ drive mode arrow button to change between the different Drive Modes. A pop-up will appear in the instrument cluster display to assist with choosing the desired drive mode. A drive mode status indicator will appear in the instrument cluster display ➡ page 109. You can also double push on the TRX button to go directly to Custom Mode ➡ page 215.

NOTE:

The selected drive mode will be applied once the instrument cluster pop-up times out due to lack of additional presses of the **left** ◀ or **right** ▶ arrow button
➡ page 207.

BATTERY SAVER ON/BATTERY SAVER MODE MESSAGE – ELECTRICAL LOAD REDUCTION ACTIONS – IF EQUIPPED

This vehicle is equipped with an Intelligent Battery Sensor (IBS) to perform additional monitoring of the electrical system and status of the vehicle battery.

In cases when the IBS detects charging system failure, or the vehicle battery conditions are deteriorating, electrical load reduction actions will take place to extend the driving time and distance of the vehicle. This is done by reducing power to or turning off non-essential electrical loads.

Load reduction is only active when the engine is running. It will display a message if there is a risk of battery depletion to the point where the vehicle may stall due to lack of electrical supply, or will not restart after the current drive cycle.

When load reduction is activated, the message “Battery Saver On Some Systems May Have Reduced Power” will appear in the instrument cluster.

These messages indicate the vehicle battery has a low state of charge and continues to lose electrical charge at a rate that the charging system cannot sustain.

NOTE:

- The charging system is independent from load reduction. The charging system performs a diagnostic on the charging system continuously.
- If the Battery Charge Warning Light is on it may indicate a problem with the charging system
➡ page 102.

The following are electrical loads that may be switched off (if equipped), and vehicle functions which can be affected by load reduction:

- Heated Seats / Vented Seats / Heated Wheel
- Rear Defroster And Heated Mirrors
- HVAC System
- 115 Volts AC Power Inverter System
- Audio and Telematics System

Loss of the battery charge may indicate one or more of the following conditions:

- The charging system cannot deliver enough electrical power to the vehicle system because the electrical loads are larger than the capability of charging system. The charging system is still functioning properly.
- Turning on all possible vehicle electrical loads (e.g. HVAC to max settings, exterior and interior lights, overloaded power outlets +12 Volts, 115 Volts AC, USB ports) during certain driving conditions (city driving, towing, frequent stopping).

- Installing options like additional lights, upfitter electrical accessories, audio systems, alarms and similar devices.
- Unusual driving cycles (short trips separated by long parking periods).
- The vehicle was parked for an extended period of time (weeks, months).
- The battery was recently replaced and was not charged completely.
- The battery was discharged by an electrical load left on when the vehicle was parked.
- The battery was used for an extended period with the engine not running to supply radio, lights, chargers, +12 Volt portable appliances like vacuum cleaners, game consoles and similar devices.

What to do when an electrical load reduction action message is present (“Battery Saver On” or “Battery Saver Mode”)

During a trip:

- Reduce power to unnecessary loads if possible:
 - Turn off redundant lights (interior or exterior).
 - Check what may be plugged in to power outlets +12 Volts, 115 Volts AC, USB ports.
 - Check HVAC settings (blower, temperature).
 - Check the audio settings (volume).

After a trip:

- Check if any aftermarket equipment was installed (additional lights, upfitter electrical accessories, audio systems, alarms) and review specifications if any (load and Ignition Off Draw currents).
- Evaluate the latest driving cycles (distance, driving time and parking time).

- The vehicle should have service performed if the message is still present during consecutive trips and the evaluation of the vehicle and driving pattern did not help to identify the cause.

WARNING LIGHTS AND MESSAGES

The warning/indicator lights will illuminate in the instrument panel together with a dedicated message and/or acoustic signal when applicable. These indications are indicative and precautionary and as such must not be considered as exhaustive and/or alternative to the information contained in the Owner’s Manual, which you are advised to read carefully in all cases. Always refer to the information in this chapter in the event of a failure indication. All active telltales will display first if applicable. The system check menu may appear different based upon equipment options and current vehicle status. Some telltales are optional and may not appear.

RED WARNING LIGHTS

Air Bag Warning Light



This warning light will illuminate to indicate a fault with the air bag, and will turn on for four to eight seconds as a bulb check when the ignition is placed in the ON/RUN or ACC/ON/RUN position. This light will illuminate with a single chime when a fault with the air bag has been detected, it will stay on until the fault is cleared. If the light is either not on during startup, stays on, or turns on while driving, have the system inspected at an authorized dealer as soon as possible.

Brake Warning Light



This warning light monitors various brake functions, including brake fluid level and parking brake application. If the brake light turns on it may indicate that the parking brake is applied, that the brake fluid level is low, or that there is a problem with the Anti-Lock Brake System.

If the light remains on when the parking brake has been disengaged, and the fluid level is at the full mark on the master cylinder reservoir, it indicates a possible brake hydraulic system malfunction or that a problem with the Brake Booster has been detected by the Anti-Lock Brake System (ABS) / Electronic Stability Control (ESC) system. In this case, the light will remain on until the condition has been corrected. If the problem is related to the brake booster, the ABS pump will run when applying the brake, and a brake pedal pulsation may be felt during each stop.

The dual brake system provides a reserve braking capacity in the event of a failure to a portion of the hydraulic system. A leak in either half of the dual brake system is indicated by the Brake Warning Light, which will turn on when the brake fluid level in the master cylinder has dropped below a specified level.

The light will remain on until the cause is corrected.

NOTE:

The light may flash momentarily during sharp cornering maneuvers, which change fluid level conditions. The vehicle should have service performed, and the brake fluid level checked.

If brake failure is indicated, immediate repair is necessary.

WARNING!

Driving a vehicle with the red brake light on is dangerous. Part of the brake system may have failed. It will take longer to stop the vehicle. You could have a collision. Have the vehicle checked immediately.

Vehicles equipped with the Anti-Lock Brake System (ABS) are also equipped with Electronic Brake Force Distribution (EBD). In the event of an EBD failure, the Brake Warning Light will turn on along with the ABS Light. Immediate repair to the ABS system is required.

Operation of the Brake Warning Light can be checked by turning the ignition switch from the OFF position to the ON/RUN position. The light should illuminate for approximately four seconds. The light should then turn off unless the parking brake is applied or a brake fault is detected. If the light does not illuminate, have the light inspected by an authorized dealer.

The light also will turn on when the parking brake is applied with the ignition switch in the ON/RUN position.

NOTE:

This light shows only that the parking brake is applied. It does not show the degree of brake application.

Battery Charge Warning Light



This warning light will illuminate when the battery is not charging properly. If it stays on while the engine is running, there may be a malfunction with the charging system. Contact an authorized dealer as soon as possible.

This indicates a possible problem with the electrical system or a related component.

Door Open Warning Light



This indicator will illuminate when a door is ajar/open and not fully closed.

NOTE:

If the vehicle is moving there will also be a single chime.

Electric Power Steering (EPS) Fault Warning Light



This warning light will turn on when there's a fault with the EPS system → page 139.

WARNING!

Continued operation with reduced assist could pose a safety risk to yourself and others. Service should be obtained as soon as possible.

Electronic Throttle Control (ETC) Warning Light



This warning light will illuminate to indicate a problem with the ETC system. If a problem is detected while the vehicle is running, the light will either stay on or flash depending on the nature of the problem. Cycle the ignition when the vehicle is safely and completely stopped and the transmission is placed in the PARK position. The light should turn off. If the light remains on with the vehicle running, your vehicle will usually be drivable; however, see an authorized dealer for service as soon as possible.

NOTE:

This light may turn on if the accelerator and brake pedals are pressed at the same time.

If the light continues to flash when the vehicle is running, immediate service is required and you may experience reduced performance, an elevated/rough idle, or engine stall and your vehicle may require towing. The light will come on when the ignition is placed in the ON/RUN or ACC/ON/RUN position and remain on briefly as a bulb check. If the light does not come on during starting, have the system checked by an authorized dealer.

Engine Coolant Temperature Warning Light



This warning light warns of an overheated engine condition. If the engine coolant temperature is too high, this indicator will illuminate and a single chime will sound. If the temperature reaches the upper limit, a continuous chime will sound for four minutes or until the engine is able to cool, whichever comes first.

If the light turns on while driving, safely pull over and stop the vehicle. If the Air Conditioning (A/C) system is on, turn it off. Also, shift the transmission into NEUTRAL (N) and idle the vehicle. If the temperature reading does not return to normal, turn the engine off immediately and call for service ➞ page 287.

Hood Open Warning Light



This warning light will illuminate when the hood is ajar/open and not fully closed.

NOTE:

If the vehicle is moving, there will also be a single chime.

Oil Pressure Warning Light



This warning light will illuminate, and a chime will sound, to indicate low engine oil pressure. If the light and chime turn on while driving, safely stop the vehicle and turn off the engine as soon as possible. After the vehicle is safely stopped, restart the engine and monitor the Oil Pressure Warning Light. If the Oil Pressure Warning Light is still illuminated, turn the engine OFF and contact an authorized dealer for further assistance. Do not operate the vehicle until the cause is corrected. If the light is no longer illuminated, the engine can be operated but it is recommended to take the vehicle to an authorized dealer as soon as possible.

Do not operate the vehicle until the cause is corrected. This light does not indicate how much oil is in the engine. The engine oil level must be checked under the hood.

Oil Temperature Warning Light



This warning light will illuminate to indicate the engine oil temperature is high. If the light turns on while driving, stop the vehicle and shut off the engine as soon as possible. Wait for oil temperature to return to normal levels.

Seat Belt Reminder Warning Light



This warning light indicates when the driver or passenger seat belt is unbuckled. When the ignition is first placed in the ON/RUN or ACC/ON/RUN position and if the driver's seat belt is unbuckled, a chime will sound and the light will turn on. When driving, if the driver or front passenger seat belt remains unbuckled, the Seat Belt Reminder Light will flash or remain on continuously and a chime will sound ➞ page 247.

Speed Warning Light — If Equipped



This warning light will illuminate when the vehicle speed is equal to or greater than 120 km/h. A single chime will sound and a message will display.

Tailgate Open Warning Light



This warning light will illuminate when the tailgate is open.

NOTE:

If the vehicle is moving, there will also be a single chime.

Trailer Brake Disconnected Warning Light



This warning light will illuminate when the Trailer Brake has been disconnected.

Transmission Temperature Warning Light — If Equipped



This warning light will illuminate to warn of a high transmission fluid temperature. This may occur with strenuous usage such as trailer towing. If this light turns on, stop the vehicle and run the engine at idle or slightly faster, with the transmission in PARK or NEUTRAL, until the light turns off. Once the light turns off, you may continue to drive normally.

WARNING!

If you continue operating the vehicle when the Transmission Temperature Warning Light is illuminated you could cause the fluid to boil over, come in contact with hot engine or exhaust components and cause a fire.

CAUTION!

Continuous driving with the Transmission Temperature Warning Light illuminated will eventually cause severe transmission damage or transmission failure.

Vehicle Security Warning Light — If Equipped



This light will flash at a fast rate for approximately 15 seconds when the vehicle security system is arming, and then will flash slowly until the vehicle is disarmed.

YELLOW WARNING LIGHTS

Adaptive Cruise Control (ACC) Fault Warning Light — If Equipped



This warning light will illuminate to indicate a fault in the ACC system. Contact an authorized dealer for service ➞ page 143.

Air Suspension Fault Warning Light — If Equipped



This light will illuminate when a fault is detected with the air suspension system.

Anti-Lock Brake System (ABS) Warning Light



This warning light monitors the ABS. The light will turn on when the ignition is placed in the ON/RUN or ACC/ON/RUN position and may stay on for as long as four seconds.

If the ABS light remains on or turns on while driving, then the Anti-Lock portion of the brake system is not functioning and service is required as soon as possible. However, the conventional brake system will continue to operate normally, assuming the Brake Warning Light is not also on.

If the ABS light does not turn on when the ignition is placed in the ON/RUN or ACC/ON/RUN position, have the brake system inspected by an authorized dealer.

Electric Park Brake Warning Light



This warning light will illuminate to indicate the Electric Park Brake is not functioning properly and service is required. Contact an authorized dealer.

Electronic Stability Control (ESC) Active Warning Light — If Equipped



This warning light will indicate when the ESC system is Active. The ESC Indicator Light in the instrument cluster will come on when the ignition is placed in the ON/RUN or ACC/ON/RUN position, and when ESC is activated. It should go out with the engine running. If the ESC Indicator Light comes on continuously with the engine running, a malfunction has been detected in the ESC system. If this warning light remains on after several ignition cycles, and the vehicle has been driven several miles (kilometers) at speeds greater than 30 mph (48 km/h), see an authorized dealer as soon as possible to have the problem diagnosed and corrected.

- The ESC OFF Indicator Light and the ESC Indicator Light come on momentarily each time the ignition is placed in the ON/RUN or ACC/ON/RUN position.
- The ESC system will make buzzing or clicking sounds when it is active. This is normal; the sounds will stop when ESC becomes inactive.
- This light will come on when the vehicle is in an ESC event.

Electronic Stability Control (ESC) OFF Warning Light — If Equipped



This warning light indicates the ESC is off. Each time the ignition is turned to ON/RUN or ACC/ON/RUN, the ESC system will be on, even if it was turned off previously.

Service LaneSense Warning Light — If Equipped



This warning light will illuminate when the LaneSense system is not operating and requires service. Please contact an authorized dealer.

Low Fuel Warning Light



When the fuel level is less than a quarter tank, and the Distance to Empty is less than 50 miles (80 km), this light will turn on and remain on until fuel is added.

A single warning chime will sound with Low Fuel Warning.

Low Washer Fluid Warning Light — If Equipped



This warning light will illuminate when the windshield washer fluid is low.

Engine Check/Malfunction Indicator Warning Light (MIL)



The MIL is a part of an Onboard Diagnostic System called OBD II that monitors engine and automatic transmission control systems. This warning light will illuminate when the ignition is in the ON/RUN position before engine start. If the bulb does not come on when turning the ignition switch from OFF to ON/RUN, have the condition checked promptly.

Certain conditions, such as a loose or missing gas cap, poor quality fuel, etc., may illuminate the light after engine start. The vehicle should be serviced if the light stays on through several typical driving styles. In most situations, the vehicle will drive normally and will not require towing.

When the engine is running, the MIL may flash to alert serious conditions that could lead to immediate loss of power or severe catalytic converter damage. The vehicle should be serviced by an authorized dealer as soon as possible if this occurs.

WARNING!

A malfunctioning catalytic converter can reach higher temperatures than in normal operating conditions. This can cause a fire if you drive slowly or park over flammable substances such as dry plants, wood, cardboard, etc. This could result in death or serious injury to the driver, occupants or others.

CAUTION!

Prolonged driving with the Malfunction Indicator Light (MIL) on could cause damage to the vehicle control system. It also could affect fuel economy and driveability. If the MIL is flashing, severe catalytic converter damage and power loss will soon occur. Immediate service is required.

3

Rear Axle Locker Fault Warning Light — If Equipped



This warning light will illuminate to indicate when a rear axle locker fault has been detected.

Service Forward Collision Warning (FCW) Light — If Equipped



This warning light will illuminate to indicate a fault in the FCW System. Contact an authorized dealer for service ➞ page 240.

Service Stop/Start System Warning Light — If Equipped



This warning light will illuminate when the Stop/Start system is not functioning properly and service is required. Contact an authorized dealer for service.

Service 4WD Warning Light — If Equipped



This warning light will illuminate to signal a fault with the 4WD system. If the light stays on or comes on during driving, it means that the 4WD system is not functioning properly and that service is required. We recommend you drive to the nearest authorized dealer and have the vehicle serviced immediately.

Cruise Control Fault Warning Light



This warning light will illuminate to indicate the Cruise Control System is not functioning properly and service is required. Contact an authorized dealer.

Tire Pressure Monitoring System (TPMS) Warning Light



The warning light switches on and a message is displayed to indicate that the tire pressure is lower than the recommended value and/or that slow pressure loss is occurring. In these cases, optimal tire duration and fuel consumption may not be guaranteed.

Should one or more tires be in the condition previously mentioned, the display will show the indications corresponding to each tire.

CAUTION!

Do not continue driving with one or more flat tires as handling may be compromised. Stop the vehicle, avoiding sharp braking and steering. If a tire puncture occurs, repair immediately using the dedicated tire repair kit and contact an authorized dealer as soon as possible.

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.

As an added safety feature, your vehicle has been equipped with a TPMS that illuminates a low tire pressure telltale when one or more of your tires is significantly underinflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly underinflated tire causes the tire to overheat and can lead to tire failure. Underinflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if underinflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.

CAUTION!

The TPMS has been optimized for the original equipment tires and wheels. TPMS pressures and warning have been established for the tire size equipped on your vehicle. Undesirable system operation or sensor damage may result when using replacement equipment that is not of the same size, type, and/or style. Aftermarket wheels can cause sensor damage. Using aftermarket tire sealants may cause the Tire Pressure Monitoring System (TPMS) sensor to become inoperable. After using an aftermarket tire sealant it is recommended that you take your vehicle to an authorized dealer to have your sensor function checked.

YELLOW INDICATOR LIGHTS

Air Suspension Aerodynamic Height Indicator Light — If Equipped



This light will illuminate when the air suspension system is set to the Aerodynamic setting.

Air Suspension Normal Height Indicator Light — If Equipped



This light will illuminate when the air suspension system is set to the Normal setting ➔ page 133.

Air Suspension Off-Road 1 Indicator Light — If Equipped



This light will illuminate when the air suspension system is set to the Off-Road 1 setting ➔ page 133.

Air Suspension Off-Road 2 Indicator Light — If Equipped



This light will illuminate when the air suspension system is set to the Off-Road 2 setting ➔ page 133.

Air Suspension Payload Protection Indicator Light — If Equipped



This indicator light will illuminate to indicate that the maximum payload may have been exceeded or load leveling cannot be achieved at its current ride height. Protection mode will automatically be selected to “protect” the air suspension system. Air suspension adjustment is limited due to payload.

Air Suspension Ride Height Raising Indicator Light — If Equipped



This light will blink and alert the driver that the vehicle is changing to a higher ride height.

Air Suspension Ride Height Lowering Indicator Light — If Equipped



This light will blink and alert the driver that the vehicle is changing to a lower ride height.

Cargo Light On Indicator Light — If Equipped



This indicator light will illuminate when the cargo light is activated by pushing the cargo light button on the headlight switch.

Forward Collision Warning (FCW) Off Indicator Light — If Equipped



This indicator light illuminates to indicate that Forward Collision Warning is off.

NEUTRAL Indicator Light — If Equipped



This light alerts the driver that the 4WD power transfer case is in the NEUTRAL mode and the front and rear driveshafts are disengaged from the powertrain.

Rear Axle Lock Indicator Light



This light indicates when the rear axle lock has been activated.

Rear Fog Indicator Light — If Equipped



This indicator light will illuminate when the rear fog lights are on.

Entry/Exit Indicator Light — If Equipped



This light will illuminate when the vehicle is automatically lowered from ride height position downward for easy entry and exit of the vehicle ➔ page 133.

TOW/HAUL Indicator Light



This indicator light will illuminate when TOW/HAUL mode is selected.

Trailer Merge Assist Indicator Light — If Equipped



This indicator light will illuminate to indicate when Trailer Merge Assist has been activated ➔ page 235.

4WD Indicator Light — If Equipped



This light alerts the driver that the vehicle is in the four-wheel drive mode, and the front and rear driveshafts are mechanically locked together forcing the front and rear wheels to rotate at the same speed.

4WD Low Indicator Light — If Equipped



This light alerts the driver that the vehicle is in the 4WD Low mode. The front and rear driveshafts are mechanically locked together forcing the front and rear wheels to rotate at the same speed. Low range provides a greater gear reduction ratio to provide increased torque at the wheels ➔ page 127.

4WD High Indicator Light — If Equipped



This light alerts the driver that the vehicle is in the 4WD High mode. The front and rear driveshafts are mechanically locked together forcing the front and rear wheels to rotate at the same speed.

GREEN INDICATOR LIGHTS

Adaptive Cruise Control (ACC) Set With Target Indicator Light — If Equipped



This will display when the ACC is set and a vehicle in front is detected ➔ page 143.

Adaptive Cruise Control (ACC) Set With No Target Detected Indicator Light — If Equipped



This light will turn on when the ACC is set and there is no vehicle in front detected ➔ page 143.

ECO Mode Indicator Light



This light will turn on when ECO mode is active.

Front Fog Indicator Light — If Equipped



This indicator light will illuminate when the front fog lights are on.

LaneSense Indicator Light — If Equipped



The LaneSense indicator light illuminates solid green when both lane markings have been detected and the system is armed and ready to provide visual and torque warnings if an unintentional lane departure occurs ➔ page 158.

Parking/Headlights On Indicator Light



This indicator light will illuminate when the parking lights or headlights are turned on.

Turn Signal Indicator Lights



When the left or right turn signal is activated, the turn signal indicator will flash independently and the corresponding exterior turn signal lamps will flash. Turn signals can be activated when the multifunction lever is moved down (left) or up (right).

NOTE:

- A continuous chime will sound if the vehicle is driven more than 1 mile (1.6 km) with either turn signal on.
- Check for an inoperative outside light bulb if either indicator flashes at a rapid rate.
- If equipped with fog lamps, the fog lamp on the side of the activated turn signal will also illuminate to provide additional light when turning.

Cruise Control SET Indicator Light — If Equipped With Premium Instrument Cluster Display



This light will turn on when the cruise control is set ➞ page 141.

Stop/Start Active Indicator Light — If Equipped



This indicator light will illuminate when the Stop/Start function is in “Autostop” mode ➞ page 140.

4WD AUTO Indicator Light — If Equipped



This light alerts the driver that the vehicle is in the four-wheel drive auto mode, and the front axle is engaged, but the vehicle's power is sent to the rear wheels. Four-wheel drive will be automatically engaged when the vehicle senses a loss of traction ➞ page 127.

DRIVE MODE INDICATOR LIGHTS

Baja Mode Indicator Light



This light will turn on when Baja mode is active ➞ page 214.

Custom Mode Indicator Light



This light will turn on when Custom mode is active ➞ page 215.

Mud/Sand Mode Indicator Light



This light will turn on when Mud/Sand mode is active ➞ page 213.

Rock Mode Indicator Light



This light will turn on when Rock mode is active ➞ page 214.

Snow Mode Indicator Light



This light will turn on when Snow mode is active ➞ page 211.

Sport Mode Indicator Light



This light will turn on when Sport mode is active ➞ page 209.

Tow Mode Indicator Light



This light will turn on when Tow mode is active ➞ page 210.

Valet Mode Indicator Light



This light will turn on when Valet mode is active ➞ page 224.

WHITE INDICATOR LIGHTS

Adaptive Cruise Control (ACC) Ready Indicator Light — If Equipped



This light will illuminate when the vehicle equipped with ACC has been turned on but not set ➞ page 143.

Cruise Control Ready Indicator Light



This indicator light will illuminate when the cruise control is ready, but not set ➞ page 141.

Selec-Speed Control (SSC) Indicator Light — If Equipped



This indicator shows when the SSC feature is turned on. The light will be on solid when SSC is armed. SSC can only be armed when the transfer case is in the “4WD Low” position and the vehicle speed is less than 20 mph (32 km/h). If these conditions are not met while attempting to use the SSC feature, the SSC indicator light will flash on/off.

LaneSense Indicator Light — If Equipped



When the LaneSense system is ON, but not armed, the LaneSense indicator light illuminates solid white. This occurs when only left, right, or neither lane line has been detected.

If a single lane line is detected, the system is ready to provide only visual warnings if an unintentional lane departure occurs on the detected lane line
➡ page 158.

Cruise Control SET Indicator Light — If Equipped With Base/Midline Instrument Cluster Display



This light will turn on when the cruise control is set ➡ page 141.

BLUE INDICATOR LIGHTS

High Beam Indicator Light



This indicator light will illuminate to indicate that the high beam headlights are on. With the low beams activated, push the multifunction lever forward (toward the front of the vehicle) to turn on the high beams. Pull the multifunction lever rearward (toward the rear of the vehicle) to turn off the high beams. If the high beams are off, pull the lever toward you for a temporary high beam on, “flash to pass” scenario.

ONBOARD DIAGNOSTIC SYSTEM — OBD II

Your vehicle is equipped with a sophisticated Onboard Diagnostic system called OBD II. This system monitors the performance of the emissions, engine, and transmission control systems. When these systems are operating properly, your vehicle will provide excellent performance and fuel economy, as well as engine emissions well within current government regulations.

If any of these systems require service, the OBD II system will turn on the Malfunction Indicator Light (MIL). It will also store diagnostic codes and other information to assist your service technician in making repairs. Although your vehicle will usually be drivable and not need towing, see an authorized dealer for service as soon as possible.

CAUTION!

- Prolonged driving with the MIL on could cause further damage to the emission control system. It could also affect fuel economy and driveability. The vehicle must be serviced before any emissions tests can be performed.
- If the MIL is flashing while the vehicle is running, severe catalytic converter damage and power loss will soon occur. Immediate service is required.

ONBOARD DIAGNOSTIC SYSTEM (OBD II) CYBERSECURITY

Your vehicle is required to have OBD II and a connection port to allow access to information related to the performance of your emissions controls. Authorized service technicians may need to access this information to assist with the diagnosis and service of your vehicle and emissions system ➡ page 189.

WARNING!

- ONLY an authorized service technician should connect equipment to the OBD II connection port in order to read the VIN, diagnose, or service your vehicle.
- If unauthorized equipment is connected to the OBD II connection port, such as a driver-behavior tracking device, it may:
 - Be possible that vehicle systems, including safety related systems, could be impaired or a loss of vehicle control could occur that may result in an accident involving serious injury or death.
 - Access, or allow others to access, information stored in your vehicle systems, including personal information.

STARTING AND OPERATING

STARTING THE ENGINE

Before starting your vehicle, adjust your seat, adjust both inside and outside mirrors, and fasten your seat belt.

The starter should not be operated for more than 10-second intervals. Waiting at least 10 to 15 seconds between such intervals will protect the starter from overheating.

WARNING!

- When leaving the vehicle, always make sure the keyless ignition node is in the OFF position, remove the key fob from the vehicle and lock the vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the gear selector.
- Do not leave the key fob in or near the vehicle, or in a location accessible to children, and do not leave the ignition of a vehicle equipped with Keyless Enter 'n Go™ in the ACC or ON/RUN position. A child could operate power windows, other controls, or move the vehicle.
- Do not leave children or animals inside parked vehicles in hot weather. Interior heat buildup may cause serious injury or death.

AUTOMATIC TRANSMISSION

Start the engine with the transmission in PARK position. Apply the brake before shifting into any driving range.

NOTE:

- This vehicle is equipped with a transmission shift interlocking system. The brake pedal must be pressed to shift out of PARK.
- If equipped with an 8-speed transmission, starting the vehicle in NEUTRAL is not possible unless the Manual Park Release has been activated
➡ page 287.

AUTOPARK

AutoPark is a supplemental feature to assist with placing the vehicle in PARK should the situations on the following pages occur. It is a back-up system and should not be relied upon as the primary method by which the driver shifts the vehicle into PARK.

The conditions under which AutoPark will engage are outlined on the following pages.

WARNING!

- Driver inattention could lead to failure to place the vehicle in PARK. ALWAYS DO A VISUAL CHECK that your vehicle is in PARK by verifying that a solid (not blinking) "P" is indicated in the instrument cluster display and near the gear selector. If the "P"

(Continued)

WARNING!

indicator is blinking, your vehicle is not in PARK. As an added precaution, always apply the parking brake when exiting the vehicle.

- AutoPark is a supplemental feature. It is not designed to replace the need to shift your vehicle into PARK. It is a back up system and should not be relied upon as the primary method by which the driver shifts the vehicle into PARK.

If the vehicle is not in PARK and the driver turns off the engine, the vehicle may AutoPark.

AutoPark will engage when all of these conditions are met:

- Vehicle is equipped with a rotary shifter and an 8-speed transmission
- Vehicle is not in PARK
- Vehicle speed is 1.2 mph (1.9 km/h) or less
- Ignition is switched from ON/RUN to ACC

NOTE:

For Keyless Enter 'n Go™ equipped vehicles, the engine will turn off and the ignition switch will change to ACC position. After 30 minutes the ignition switches to OFF automatically, unless the driver turns the ignition switch OFF.

If the vehicle is not in **PARK** and the driver exits the vehicle with the engine running, the vehicle may **AutoPark**.

AutoPark will engage when all of these conditions are met:

- Vehicle is equipped with a rotary shifter and an 8-speed transmission
- Vehicle is not in **PARK**
- Vehicle speed is 1.2 mph (1.9 km/h) or less
- Driver's seat belt is unbuckled
- Driver's door is ajar
- Brake pedal is not pressed

The message “**AutoPark Engaged Shift To P Then Shift To Gear**” will display in the instrument cluster.

NOTE:

In some cases the ParkSense graphic will be displayed in the instrument cluster, causing the “**AutoPark Engaged Shift To P Then Shift To Gear**” message to not be seen. In these cases, the gear selector must be returned to “P” to select desired gear.

If the driver shifts into **PARK** while moving, the vehicle may **AutoPark**.

AutoPark will engage **ONLY** when vehicle speed is 1.2 mph (1.9 km/h) or less.

The message “**Vehicle Speed Is Too High To Shift to P**” will be displayed in the instrument cluster if vehicle speed is above 1.2 mph (1.9 km/h).

WARNING!

If vehicle speed is above 1.2 mph (1.9 km/h), the transmission will default to **NEUTRAL** until the vehicle speed drops below 1.2 mph (1.9 km/h). A vehicle left in the **NEUTRAL** position can roll. As an added precaution, always apply the parking brake when exiting the vehicle.

4WD LOW — If Equipped

AutoPark will be disabled when operating the vehicle in **4WD LOW**.

The message “**AutoPark Disabled**” will be displayed in the instrument cluster.

Additional customer warnings will be given when all of these conditions are met:

- Vehicle is not in **PARK**
- Driver's door is ajar
- Vehicle is in **4WD LOW**

The message “**AutoPark Not Engaged**” will be displayed in the instrument cluster. A warning chime will continue until you shift the vehicle into **PARK** or the driver's door is closed.

ALWAYS DO A VISUAL CHECK that your vehicle is in **PARK** by looking for the “P” in the instrument cluster display and near the gear selector. As an added precaution, always apply the parking brake when exiting the vehicle.

TIP START FEATURE

Do not press the accelerator. Cycle the ignition switch briefly to the **START** position and release it. The starter motor will continue to run and will automatically disengage when the engine is running.

KEYLESS ENTER ‘N GO™ — IGNITION

This feature allows the driver to operate the ignition switch with the push of a button, as long as the Remote Start/Keyless Enter ‘n Go™ key fob is in the passenger compartment.

NORMAL STARTING USING ENGINE START/STOP BUTTON

To Turn On The Engine Using The **ENGINE START/STOP Button**

1. The transmission must be in **PARK**.
2. Press and hold the brake pedal while pushing the **ENGINE START/STOP** button once.
3. The system starts the vehicle. If the vehicle fails to start, the starter will disengage automatically after 10 seconds.
4. If you wish to stop the cranking of the engine prior to the engine starting, push the button again.

To Turn Off The Engine Using The **ENGINE START/STOP Button**

1. Place the gear selector in **PARK**, then push and release the **ENGINE START/STOP** button. The ignition will return to the **OFF** position.
2. If the gear selector is not in **PARK**, the **ENGINE START/STOP** button must be held for two seconds or three short pushes in a row with the vehicle speed above 5 mph (8 km/h) before the engine will shut off. The ignition will remain in the **ACC** position until the gear selector is in **PARK** and the button is pushed twice to the **OFF** position.

- If the gear selector is not in PARK and the ENGINE START/STOP button is pushed once with the vehicle speed above 5 mph (8 km/h), the instrument cluster will display a “**Vehicle Not In Park**” message and the engine will remain running. Never leave a vehicle out of the PARK position, or it could roll.

NOTE:

If the gear selector is not in PARK, and the ENGINE START/STOP button is pushed once with the vehicle speed below 5 mph (8 km/h), the engine will shut off and the ignition will remain in the ACC position. If vehicle speed drops below 1.2 mph (1.9 km/h), the vehicle may AutoPark ➞ page 111.

ENGINE START/STOP Button Functions — With Driver's Foot Off The Brake Pedal (In PARK Or NEUTRAL Position)

The ENGINE START/STOP button operates similar to an ignition switch. It has three positions: OFF, ACC, and ON/RUN. To change the ignition positions without starting the vehicle and use the accessories, follow these directions:

- Start with the ignition in the OFF position.
- Push the ENGINE START/STOP button once to place the ignition to the ACC position.
- Push the ENGINE START/STOP button a second time to place the ignition to the ON/RUN position.
- Push the ENGINE START/STOP button a third time to return the ignition to the OFF position.

EXTENDED PARK STARTING

NOTE:

Extended Park condition occurs when the vehicle has not been started or driven for at least 30 days.

- Install a battery charger or jumper cables to the battery to ensure a full battery charge during the crank cycle.
- Place the ignition to the START position and release it when the engine starts. For Keyless Enter 'n Go™ ignition systems, press and hold the brake pedal while pushing the ENGINE START/STOP button once.
- If the engine fails to start within 10 seconds, wait 10 to 15 seconds to allow the starter to cool, then repeat the Extended Park Starting procedure.
- If the engine fails to start after eight attempts, allow the starter to cool for at least 10 minutes, then repeat the Extended Park Starting procedure.

CAUTION!

To prevent damage to the starter, do not crank continuously for more than 10 seconds at a time. Wait 10 to 15 seconds before trying again.

IF ENGINE FAILS TO START

If the engine fails to start after you have followed the “Normal Starting” procedure and the vehicle has not experienced an Extended Park condition as defined above, it may be flooded. Push the accelerator pedal all the way to the floor and hold it there while the engine is cranking. This should clear any excess fuel in case the engine is flooded.

The starter motor will engage automatically, run for 10 seconds, and then disengage. Once this occurs, release the accelerator pedal and the brake pedal, wait 10 to 15 seconds, then repeat the “Normal Starting” procedure.

WARNING!

- Never pour fuel or other flammable liquid into the throttle body air inlet opening in an attempt to start the vehicle. This could result in flash fire causing serious personal injury.
- Do not attempt to push or tow your vehicle to get it started. Vehicles equipped with an automatic transmission cannot be started this way. Unburned fuel could enter the catalytic converter and once the engine has started, ignite and damage the converter and vehicle.
- If the vehicle has a discharged battery, booster cables may be used to obtain a start from a booster battery or the battery in another vehicle. This type of start can be dangerous if done improperly.

CAUTION!

To prevent damage to the starter, do not crank the engine for more than 10 seconds at a time. Wait 10 to 15 seconds before trying again.

If the engine has been flooded, it may start to run, but not have enough power to continue running when the ignition button/key is released. If this occurs, continue cranking with the accelerator pedal pushed all the way to the floor. Release the accelerator pedal and the ignition button/key once the engine is running smoothly.

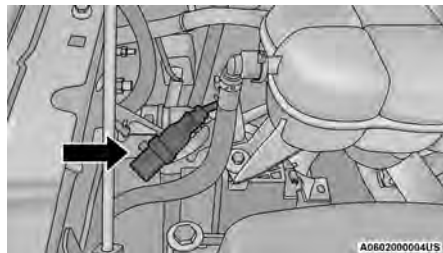
If the engine shows no sign of starting after a 10 second period of engine cranking with the accelerator pedal held to the floor, wait 10 to 15 seconds, then repeat the “Normal Starting” procedure.

AFTER STARTING

The idle speed is controlled automatically, and it will decrease as the engine warms up.

ENGINE BLOCK HEATER — IF EQUIPPED

The engine block heater warms engine coolant and permits quicker starts in cold weather. Connect the heater cord to a ground-fault interrupter protected 110–115 Volt AC electrical outlet with a grounded, three-wire extension cord.



Engine Block Heater Cord Location

The engine block heater cord is routed under the hood on the passenger side of the vehicle next to the engine coolant reservoir.

WARNING!

Remember to disconnect the engine block heater cord before driving. Damage to the 110-115 Volt electrical cord could cause electrocution.

ENGINE BREAK-IN RECOMMENDATIONS — 3.6L AND 5.7L

A long break-in period is not required for the engine and drivetrain (transmission and axle) in your vehicle.

Drive moderately during the first 300 miles (500 km). After the initial 60 miles (100 km), speeds up to 50 or 55 mph (80 or 90 km/h) are desirable.

While cruising, brief full-throttle acceleration within the limits of local traffic laws contributes to a good break-in. Wide-open throttle acceleration in low gear can be detrimental and should be avoided.

The engine oil installed in the engine at the factory is a high-quality energy conserving type lubricant. Oil changes should be consistent with anticipated climate conditions under which vehicle operations will occur. For the recommended viscosity and quality grades ➞ page 340.

CAUTION!

Never use Non-Detergent Oil or Straight Mineral Oil in the engine or damage may result.

NOTE:

A new engine may consume some oil during its first few thousand miles (kilometers) of operation. This should be considered a normal part of the break-in and not interpreted as a problem. Please check your oil level with the engine oil indicator often during the break-in period. Add oil as required.

ENGINE BREAK-IN RECOMMENDATIONS — 6.2L ENGINE

The following tips will be helpful in obtaining optimum performance and maximum durability for your new vehicle.

Engine break-in occurs mainly during the first 500 miles (805 km) and continues through the first oil change interval.

It is recommended for the operator to observe the following driving behaviors during the break-in period:

0 to 100 miles (0 to 161 km):

- Do not allow the engine to operate at idle for an extended period of time.
- Press the accelerator pedal slowly and not more than halfway to avoid rapid acceleration.
- Avoid aggressive braking.
- Drive with the engine speed below 3,500 RPM.
- Maintain vehicle speed below 55 mph (88 km/h) and observe local speed limits.

100 to 300 miles (161 to 483 km):

- Press the accelerator pedal slowly and not more than halfway to avoid rapid acceleration in lower gears (FIRST to THIRD gears).
- Avoid aggressive braking.

- Drive with the engine speed below 5,000 RPM.
 - Maintain vehicle speed below 70 mph (112 km/h) and observe local speed limits.
- 300 to 500 miles (483 to 805 km):
- Exercise the full engine RPM range, shifting manually (paddles or gear shift) at higher RPM when possible.
 - Do not perform sustained operation with the accelerator pedal at wide open throttle.
 - Maintain vehicle speed below 85 mph (136 km/h) and observe local speed limits.

For the first 1,500 miles (2,414 km):

- Do not participate in towing, high-speed off-roading or similar activities.

NOTE:

Check engine oil with every refueling and add if necessary. Oil and fuel consumption may be higher through the first oil change interval. Running the engine with an oil level below the add mark can cause severe engine damage.

PARKING BRAKE

ELECTRIC PARK BRAKE (EPB)

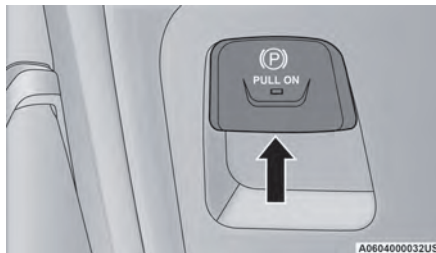
Your vehicle is equipped with an EPB that offers simple operation, and some additional features that make the parking brake more convenient and useful.

The parking brake is primarily intended to prevent the vehicle from rolling while parked. Before leaving the vehicle, make sure that the parking brake is applied. Also, be certain to leave the transmission in PARK.

You can engage the parking brake in two ways:

- Manually, by applying the parking brake switch.
- Automatically, by enabling the Auto Park Brake feature in the Customer Programmable Features section of the Uconnect settings.

The parking brake switch is located on the instrument panel to the left of the steering wheel (below the headlamp switch).



Electric Park Brake Switch

To apply the parking brake manually, pull up on the switch momentarily. You may hear a slight sound from the back of the vehicle while the parking brake engages. Once the park brake is fully engaged, the BRAKE telltale light in the instrument cluster and an indicator on the switch will illuminate. If your foot is on the brake pedal while you apply the parking brake, you may notice a small amount of brake pedal movement. The parking brake can be applied even when the ignition switch is OFF but the BRAKE telltale light will not illuminate, however, it can only be released when the ignition is in the ON/RUN position.

NOTE:

The EPB Warning Light will illuminate if the EPB switch is held for longer than 20 seconds in either the released or applied position. The light will extinguish upon releasing the switch.

If the Auto Park Brake feature is enabled, the parking brake will automatically engage whenever the transmission is placed into PARK, or with a manual transmission, when the ignition is turned OFF. If your foot is on the brake pedal, you may notice a small amount of brake pedal movement while the parking brake is engaging.

The parking brake will release automatically when the ignition is ON, the transmission is in DRIVE or REVERSE, the driver seat belt is buckled, and an attempt is made to drive away.

To release the parking brake manually, the ignition switch must be in the ON/RUN position. Put your foot on the brake pedal, then push the parking brake switch down momentarily. You may hear a slight whirring sound from the back of the vehicle while the parking brake disengages. You may also notice a small amount of movement in the brake pedal. Once the parking brake is fully disengaged, the BRAKE telltale light in the instrument cluster and the LED indicator on the switch will extinguish.

When parking on a hill, it is important to turn the front wheels toward the curb on a downhill grade and away from the curb on an uphill grade. Apply the parking brake before placing the gear selector in PARK, otherwise the load on the transmission locking mechanism may make it difficult to move the gear selector out of PARK.

WARNING!

- Never use the PARK position as a substitute for the parking brake. Always apply the parking brake fully when parked to guard against vehicle movement and possible injury or damage.
- When exiting the vehicle, always remove the key fob from the ignition and lock your vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the gear selector.
- Do not leave the key fob in or near the vehicle, or in a location accessible to children, and do not leave a vehicle equipped with Keyless Enter 'n Go™ in the ACC or ON/RUN position. A child could operate power windows, other controls, or move the vehicle.
- Be sure the parking brake is fully disengaged before driving; failure to do so can lead to brake failure and a collision.
- Always fully apply the parking brake when leaving your vehicle, or it may roll and cause damage or injury. Also be certain to leave the transmission in PARK. Failure to do so may allow the vehicle to roll and cause damage or injury.

CAUTION!

If the Brake System Warning Light remains on with the parking brake released, a brake system malfunction is indicated. Have the brake system serviced by an authorized dealer immediately.

If exceptional circumstances should make it necessary to engage the parking brake while the vehicle is in motion, maintain upward pressure on the EPB switch for as long as engagement is desired. The BRAKE telltale light will illuminate, and a continuous chime will sound. The rear stop lamps will also be illuminated automatically while the vehicle remains in motion.

To disengage the parking brake while the vehicle is in motion, release the switch. If the vehicle is brought to a complete stop using the parking brake, when the vehicle reaches approximately 3 mph, (5 km/h) the parking brake will remain engaged.

WARNING!

Driving the vehicle with the parking brake engaged, or repeated use of the parking brake to slow the vehicle, may cause serious damage to the brake system. Be sure the parking brake is fully disengaged before driving; failure to do so can lead to brake failure and a collision.

In the unlikely event of a malfunction of the EPB system, a yellow EPB Warning Light will illuminate. This may be accompanied by the BRAKE telltale light flashing. In this event, urgent service of the EPB system is required. Do not rely on the parking brake to hold the vehicle stationary.

Auto Park Brake

The Electric Park Brake (EPB) can be programmed to be applied automatically whenever the vehicle is at a standstill and the automatic transmission is placed in PARK, or with a manual transmission, whenever the ignition is turned OFF. Auto Park Brake is enabled and disabled by customer selection through the customer programmable features section of the Uconnect Settings.

Any single Auto Park Brake application can be bypassed by pushing the EPB switch to the release position while the transmission is placed in PARK.

SafeHold

SafeHold is a safety feature of the Electric Park Brake (EPB) system that will engage the parking brake automatically if the vehicle is left unsecured while the ignition is in ON/RUN.

The parking brake will automatically engage if all of the following conditions are met:

- The vehicle is at a standstill.
- There is no attempt to press the brake pedal and accelerator pedal.
- The seat belt is unbuckled.
- The driver door is open.

SafeHold can be temporarily bypassed by pushing the EPB switch while the driver door is open. Once manually bypassed, SafeHold will be enabled again once the vehicle reaches 12 mph (20 km/h) or the ignition is turned to the OFF position and back to ON again.

Brake Service Mode

We recommend having your brakes serviced by an authorized dealer. You should only make repairs for which you have the knowledge and the right equipment. You should only enter Brake Service mode during brake service.

When servicing your rear brakes, it may be necessary for you or your technician to push the rear piston into the rear caliper bore. With the Electric Park Brake (EPB) system, this can only be done after retracting the EPB actuator. Fortunately, actuator retraction can be done easily by entering the Brake Service mode through the Uconnect Settings in your vehicle. This menu-based system will guide you through the steps necessary to retract the EPB actuator in order to perform rear brake service.

Service Mode has requirements that must be met in order to be activated:

- The vehicle must be at a standstill.
- The parking brake must be unapplied.
- The transmission must be in PARK or NEUTRAL.

While in Service Mode, the EPB Warning Light will flash continuously while the ignition is in ON/RUN.

When brake service work is complete, the following steps must be followed to reset the park brake system to normal operation:

- Ensure the vehicle is at a standstill.
- Press the brake pedal with moderate force.
- Apply the EPB Switch.

WARNING!

You can be badly injured working on or around a motor vehicle. Do only that service work for which you have the knowledge and the right equipment. If you have any doubt about your ability to perform a service job, take your vehicle to a competent mechanic.

AUTOMATIC TRANSMISSION

You must press and hold the brake pedal while shifting out of PARK.

WARNING!

- Never use the PARK position as a substitute for the parking brake. Always apply the parking brake fully when exiting the vehicle to guard against vehicle movement and possible injury or damage.
- Your vehicle could move and injure you and others if it is not in PARK. Check by trying to move the transmission gear selector out of PARK with the brake pedal released. Make sure the transmission is in PARK before exiting the vehicle.
- The transmission may not engage PARK if the vehicle is moving. Always bring the vehicle to a complete stop before shifting to PARK, and verify that the transmission gear position indicator solidly indicates PARK (P) without blinking. Ensure that the vehicle is completely stopped, and the PARK position is properly indicated, before exiting the vehicle.

(Continued)

WARNING!

- It is dangerous to shift out of PARK or NEUTRAL if the engine speed is higher than idle speed. If your foot is not firmly pressing the brake pedal, the vehicle could accelerate quickly forward or in reverse. You could lose control of the vehicle and hit someone or something. Only shift into gear when the engine is idling normally and your foot is firmly pressing the brake pedal.
- Unintended movement of a vehicle could injure those in or near the vehicle. As with all vehicles, you should never exit a vehicle while the engine is running. Before exiting a vehicle, always come to a complete stop, then apply the parking brake, shift the transmission into PARK, and turn the ignition OFF. When the ignition is in the OFF position, the transmission is locked in PARK, securing the vehicle against unwanted movement.
- When exiting the vehicle, always make sure the ignition is in the OFF position, remove the key fob from the vehicle, and lock the vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the transmission gear selector.
- Do not leave the key fob in or near the vehicle (or in a location accessible to children), and do not leave the ignition in the ACC or ON/RUN position. A child could operate power windows, other controls, or move the vehicle.

CAUTION!

Damage to the transmission may occur if the following precautions are not observed:

- Shift into or out of PARK or REVERSE only after the vehicle has come to a complete stop.
- Do not shift between PARK, REVERSE, NEUTRAL, or DRIVE when the engine is above idle speed.
- Before shifting into any gear, make sure your foot is firmly pressing the brake pedal.

IGNITION PARK INTERLOCK

This vehicle is equipped with an Ignition Park Interlock which requires the transmission to be in PARK (P) before the ignition can be turned to the OFF position. This helps the driver avoid inadvertently leaving the vehicle without placing the transmission in PARK. This system also locks the transmission in PARK whenever the ignition is in the OFF position.

NOTE:

The transmission will NOT shift out of the PARK position if the engine is not running even when the brakes are applied. Ensure that the transmission is in PARK, and the ignition is **OFF** (not in ACC position) before exiting the vehicle.

BRAKE/TRANSMISSION SHIFT INTERLOCK (BTSI) SYSTEM

This vehicle is equipped with a BTSI system that holds the transmission gear selector in PARK unless the brakes are applied. To shift the transmission out of PARK, the engine must be running and the brake pedal must be pressed.

The brake pedal must also be pressed to shift from NEUTRAL into DRIVE or REVERSE when the vehicle is stopped or moving at low speeds.

8-SPEED AUTOMATIC TRANSMISSION

Rotary Shifter — If Equipped

The transmission is controlled using a rotary electronic gear selector located on the instrument panel. The transmission gear range (PRND) is displayed both above the gear selector and in the instrument cluster. To select a gear range, simply rotate the gear selector. You must press the brake pedal to shift the transmission out of PARK (or NEUTRAL, when the vehicle is stopped or moving at low speeds). To shift past multiple gear ranges at once (such as PARK to DRIVE), simply rotate the gear selector to the appropriate detent. Select the DRIVE range for normal driving.

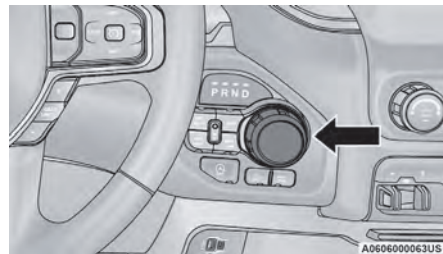
NOTE:

In the event of a mismatch between the gear selector position and the actual transmission gear (for example, driver selects PARK while driving), the position indicator will blink continuously until the selector is returned to the proper position, or the requested shift can be completed.

The electronically controlled transmission adapts its shift schedule based on driver inputs, along with environmental and road conditions. The transmission electronics are self-calibrating; therefore, the first few shifts on a new vehicle may be somewhat abrupt. This is a normal condition, and precision shifts will develop within a few hundred miles (kilometers).

Only shift from DRIVE to PARK or REVERSE when the accelerator pedal is released and the vehicle is stopped. Be sure to keep your foot on the brake pedal when shifting between these gears.

The transmission gear selector has only PARK, REVERSE, NEUTRAL, and DRIVE positions. Manual downshifts can be made using the Electronic Range Select (ERS) shift control. Pushing the GEAR “+”/GEAR “-” switches (on the steering wheel) while in the DRIVE position will select the highest available transmission gear, and will display that gear limit in the instrument cluster as 1, 2, 3, etc. ➞ page 121. Some models will display both the selected gear limit, and the actual current gear, while in ERS mode.



Electronic Transmission Gear Selector

Console Shifter — If Equipped

The transmission gear range is displayed both beside the gear selector and in the instrument cluster. To select a gear range, push the lock button on the gear selector and move the selector rearward or forward. To shift the transmission out of PARK (P), the engine must be running and the brake pedal must be pressed. You

must also press the brake pedal to shift from NEUTRAL (N) into DRIVE (D) or REVERSE (R) when the vehicle is stopped or moving at low speeds. Select the DRIVE range for normal driving.

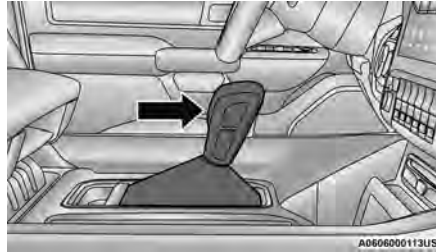
NOTE:

- The transmission electronics are self-calibrating; therefore, the first few shifts on a new vehicle may be somewhat abrupt. This is a normal condition, and precision shifts will develop within a few hundred miles (kilometers).
- In the event of a mismatch between the gear selector position and the actual transmission gear (for example, driver selects PARK while driving), the position indicator will blink continuously until the selector is returned to the proper position, or the requested shift can be completed.

The electronically controlled transmission adapts its shift schedule based on driver inputs, along with environmental and road conditions.

Only shift from DRIVE to PARK or REVERSE when the accelerator pedal is released and the vehicle is stopped. Be sure to keep your foot on the brake pedal when shifting between these gears.

The transmission gear selector provides PARK, REVERSE, NEUTRAL, and SPORT (S) (AutoStick) shift positions. Manual shifts can be made using the AutoStick shift control. Toggling the gear selector forward (-) or rearward (+) while in the SPORT (AutoStick) position (beside the DRIVE position), or tapping the paddle shifters (+/-) (if equipped), will manually select the transmission gear, and will display the current gear in the instrument cluster ➡ page 121.



Gear Selector

NOTE:

If the gear selector cannot be moved to the PARK, REVERSE, or NEUTRAL position (when pushed forward), it is probably in the AutoStick (+/-) position (beside the DRIVE position). In AutoStick mode, the transmission gear (1, 2, 3, etc.) is displayed in the instrument cluster. Move the gear selector to the right (into the DRIVE position) for access to PARK, REVERSE, and NEUTRAL.

Gear Ranges

Do not press the accelerator pedal when shifting from PARK or NEUTRAL into another gear range.

NOTE:

After selecting any gear range, wait a moment to allow the selected gear to engage before accelerating. This is especially important when the engine is cold.

PARK (P)

This range supplements the parking brake by locking the transmission. The engine can be started in this range. Never attempt to use PARK while the vehicle is in motion. Apply the parking brake when exiting the vehicle in this range.

When parking on a hill, apply the parking brake before shifting the transmission to PARK. As an added precaution, turn the front wheels toward the curb on a downhill grade and away from the curb on an uphill grade.

NOTE:

On four-wheel drive vehicles be sure that the transfer case is in a drive position.

When exiting the vehicle, always:

- Apply the parking brake.
- Shift the transmission into PARK.
- Turn the engine off.
- Remove the key fob from the vehicle.

CAUTION!

- DO NOT race the engine when shifting from PARK or NEUTRAL into another gear range, as this can damage the drivetrain.
- Before moving the transmission gear selector out of PARK, you must start the engine, and also press the brake pedal. Otherwise, damage to the gear selector could result.

The following indicators should be used to ensure that you have properly engaged the transmission into the PARK position:

- When shifting into PARK, push the lock button on the gear selector and firmly move the selector all the way forward until it stops and is fully seated.
- Look at the transmission gear position display and verify that it indicates the PARK position (P), and is not blinking.
- With the brake pedal released, verify that the gear selector will not move out of PARK.

REVERSE (R)

This range is for moving the vehicle backward. Shift into REVERSE only after the vehicle has come to a complete stop.

NEUTRAL (N)

Use this range when the vehicle is standing for prolonged periods with the engine running. Apply the parking brake and shift the transmission into PARK if you must exit the vehicle.

WARNING!

Do not coast in NEUTRAL and never turn off the ignition to coast down a hill. These are unsafe practices that limit your response to changing traffic or road conditions. You might lose control of the vehicle and have a collision.

CAUTION!

Towing the vehicle, coasting, or driving for any other reason with the transmission in NEUTRAL can cause severe transmission damage.

For Recreational Towing ➞ page 180.

For Towing A Disabled Vehicle ➞ page 289.

DRIVE (D)

This range should be used for most city and highway driving. It provides the smoothest upshifts and downshifts, and the best fuel economy. The transmission automatically upshifts through all forward gears.

When frequent transmission shifting occurs (such as when operating the vehicle under heavy loading conditions, in hilly terrain, traveling into strong head winds, or while towing a heavy trailer), select TOW/HAUL mode or use the Electronic Range Select (ERS) shift control to select a lower gear range ➞ page 121. Under these conditions, using a lower gear range will improve performance and extend transmission life by reducing excessive shifting and heat buildup.

During extremely cold temperatures (-22 °F [-30 °C] or below), transmission operation may be modified depending on engine and transmission temperature as well as vehicle speed. Normal operation will resume once the transmission temperature has risen to a suitable level.

SPORT (S)

The SPORT (S, +/-) position (beside the DRIVE position) enables full manual control of transmission shifting (also known as AutoStick mode ➞ page 121). Toggling

the gear selector forward (-) or rearward (+) while in the SPORT (AutoStick) position will manually select the transmission gear, and will display the current gear in the instrument cluster.

Transmission Limp Home Mode

Transmission function is monitored electronically for abnormal conditions. If a condition is detected that could result in transmission damage, Transmission Limp Home Mode is activated. In this mode, the transmission may operate only in certain gears, or may not shift at all. Vehicle performance may be severely degraded and the engine may stall. In some situations, the transmission may not re-engage if the engine is turned off and restarted. The Malfunction Indicator Light (MIL) may be illuminated. A message in the instrument cluster will inform the driver of the more serious conditions, and indicate what actions may be necessary.

In the event of a momentary problem, the transmission can be reset to regain all forward gears by performing the following steps:

NOTE:

In cases where the instrument cluster message indicates the transmission may not re-engage after engine shutdown, perform this procedure only in a desired location (preferably, at an authorized dealer).

1. Stop the vehicle.
2. Shift the transmission into PARK, if possible. If not, shift the transmission to NEUTRAL.
3. Push and hold the ignition switch until the engine turns off.
4. Wait approximately 30 seconds.

5. Restart the engine.
6. Shift into the desired gear range. If the problem is no longer detected, the transmission will return to normal operation.

NOTE:

Even if the transmission can be reset, we recommend that you visit an authorized dealer at your earliest possible convenience. An authorized dealer has diagnostic equipment to assess the condition of your transmission. If the transmission cannot be reset, an authorized dealer service is required.

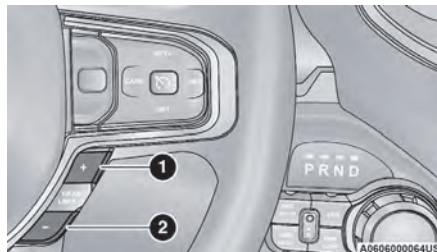
Electronic Range Select (ERS) Operation — If Equipped

The ERS shift control allows the driver to limit the highest available gear when the transmission is in DRIVE and ERS mode is not active. For example, if you set the transmission gear limit to FOURTH gear, the transmission will hold that gear and not shift above FOURTH gear, but will shift through the lower gears normally.

NOTE:

ERS will only upshift during a FIRST to SECOND gear shift when in 4WD LOW. All other ranges will hold the gear.

You can switch between DRIVE and ERS mode at any vehicle speed. When the transmission gear selector is in DRIVE, the transmission will operate automatically, shifting between all available gears. Tapping the “-” button (on the steering wheel) will activate ERS mode, display the current gear in the instrument cluster, and set that gear as the top available gear. Once in ERS mode, tapping the “-” or “+” button will change the top available gear.



Electronic Range Select (ERS)

- 1 — Shift Up “+”
- 2 — Shift Down “-”

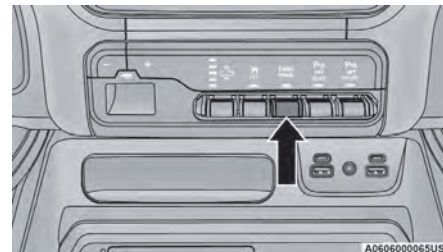
To exit ERS mode, simply push and hold the “+” button until the gear limit display disappears from the instrument cluster.

WARNING!

Do not downshift for additional engine braking on a slippery surface. The drive wheels could lose their grip and the vehicle could skid, causing a collision or personal injury.

When to Use TOW/HAUL Mode

Select TOW/HAUL mode when driving in conditions such as: driving in hilly areas, towing a trailer, carrying a heavy load, etc. This mode will improve performance and reduce the potential for transmission overheating or failure due to excessive shifting.



TOW/HAUL Switch

The TOW/HAUL Indicator Light will illuminate in the instrument cluster to indicate that TOW/HAUL mode has been activated. Pushing the switch a second time restores normal operation. Normal operation is always the default at engine start-up. If TOW/HAUL mode is desired, the switch must be pushed each time the engine is started.

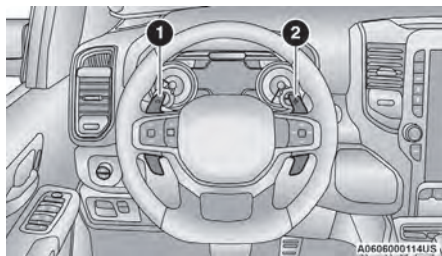
WARNING!

Do not use the TOW/HAUL feature when driving in icy or slippery conditions. The increased engine braking can cause the rear wheels to slide, and the vehicle to swing around with the possible loss of vehicle control, which may cause an accident possibly resulting in personal injury or death.

AutoStick — If Equipped

AutoStick is a driver-interactive transmission feature providing manual shift control, giving you more control of the vehicle. AutoStick allows you to maximize engine braking, eliminate undesirable upshifts and downshifts,

and improve overall vehicle performance. This feature can also provide you with more control during passing, city driving, cold slippery conditions, mountain driving, trailer towing, and many other situations.



Paddle Shifters

- 1 — “-” Paddle
2 — “+” Paddle

Operation

In AutoStick mode, you can use the gear selector (in the SPORT position), or the paddle shifters, to manually shift the transmission. To activate AutoStick mode, move the gear selector into the SPORT (S) position (beside the DRIVE position), or tap one of the paddle shifters on the steering wheel. Tapping the “-” shift paddle to enter AutoStick mode will downshift the transmission to the next lower gear, while tapping “+” to enter AutoStick mode will retain the current gear. The current transmission gear will be displayed in the instrument cluster.

NOTE:

On TRX versions the paddle shifters may be disabled (or re-enabled, as desired) using Drive Modes.

AutoStick mode has the following operational benefits:

- The transmission will automatically downshift as the vehicle slows (to prevent engine lugging) and will display the current gear.
- The transmission will automatically downshift to FIRST gear when coming to a stop. After a stop, the driver should manually upshift “+” the transmission as the vehicle is accelerated.
- You can start out, from a stop, in FIRST or SECOND gear (or THIRD gear, in 4WD LOW range, Snow mode). Tapping “+” (at a stop) will allow starting in SECOND gear. Starting out in SECOND or THIRD gear can be helpful in snowy or icy conditions.
- If a requested downshift would cause the engine to overspeed, that shift will not occur.
- The system will ignore attempts to upshift at too low of a vehicle speed.
- Holding the “-” paddle pressed, or holding the gear selector in the “-” position, will downshift the transmission to the lowest gear possible at the current speed.
- Transmission shifting will be more noticeable when AutoStick is enabled.
- The system may revert to automatic shift mode if a fault or overheat condition is detected.

NOTE:

When Selec-Speed or Hill Descent Control is enabled, AutoStick is not active.

To disengage AutoStick, return the gear selector to the DRIVE position, or press and hold the “+” paddle shifter (and the gear selector is already in DRIVE) until “D” is

once again indicated in the instrument cluster. You can shift in or out of AutoStick at any time without taking your foot off the accelerator pedal.

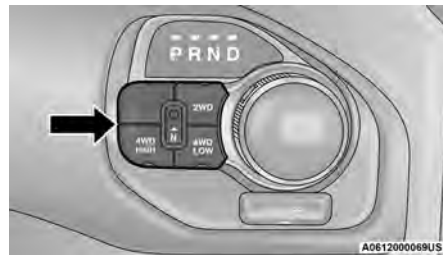
WARNING!

Do not downshift for additional engine braking on a slippery surface. The drive wheels could lose their grip and the vehicle could skid, causing a collision or personal injury.

FOUR-WHEEL DRIVE OPERATION — IF EQUIPPED

FOUR-POSITION ELECTRONICALLY SHIFTED TRANSFER CASE — IF EQUIPPED

This is an electronic shift transfer case and is operated by the 4WD Control Switch (Transfer Case Switch), located on the instrument panel.



Four-Position/On-Demand Transfer Case

This electronically shifted transfer case provides four positions:

- Two-Wheel Drive High Range (2WD) — This range is for normal street and highway driving on dry hard surfaced roads. Driving the vehicle in 2WD will have greater fuel economy benefits as the front axle is not engaged in 2WD.
- Four-Wheel Drive High Range (4WD HIGH) — This range provides torque to the front driveshaft (engages four-wheel drive) which allows front and rear wheels to spin at the same speed. This provides additional traction for loose or slippery road surfaces only.
- Four-Wheel Drive Low Range (4WD LOW) — This range provides low speed four-wheel drive. It maximizes torque (increased torque over 4WD HIGH) to the front driveshaft; allowing front and rear wheels to rotate at the same speed. This range provides additional traction and maximum pulling power for loose or slippery road surfaces only. Do not exceed 25 mph (40 km/h) in this range.
- N (Neutral) — This range disengages both the front and rear driveshafts from the powertrain. To be used for flat towing behind another vehicle ➞ page 180.

WARNING!

- You or others could be injured or killed if you leave the vehicle unattended with the transfer case in the N (Neutral) position without first fully engaging the parking brake. The transfer case N (Neutral) position disengages both the front and rear drive shaft from the powertrain, and will allow the

(Continued)

WARNING!

vehicle to roll, even if the transmission is in PARK. The parking brake should always be applied when the driver is not in the vehicle.

- The transmission may not engage PARK if the vehicle is moving. Always bring the vehicle to a complete stop before shifting to PARK, and verify that the transmission gear position indicator solidly indicates PARK (P) without blinking. Ensure that the vehicle is completely stopped, and the PARK position is properly indicated, before exiting the vehicle.

NOTE:

- The 4WD HIGH and 4WD LOW positions are designed for loose, slippery road surfaces only. Driving in the 4WD HIGH and 4WD LOW positions on dry, hard surfaced roads may cause increased tire wear and damage to the driveline components.
- The transfer case N (Neutral) button is located in the center of the 4WD Control Switch and is pushed by using a ballpoint pen or similar object. The transfer case N (Neutral) position is to be used for recreational towing only ➞ page 180.

Transfer Case Position Indicator Lights

The Transfer Case Position Indicator Lights (4WD HIGH and 4WD LOW) are located in the instrument cluster and indicate the current and desired transfer case selection. When you select a different transfer case position, the indicator lights will do the following:

1. The current position indicator light will turn off.
2. The selected position indicator light will flash until the transfer case completes the shift.

3. When the shift is complete, the indicator light for the selected position will stop flashing and remain on.

If the transfer case does not shift into the desired position, one or more of the following events may occur:

1. The indicator light for the current position will remain on.
2. The newly selected position indicator light will continue to flash.
3. If the transfer case **will not** shift, a message will appear on the cluster stating the 4WD shift has canceled.

NOTE:

Before retrying a selection, make certain that all the necessary requirements for selecting a new transfer case position have been met. To retry the selection, push the current position, wait five seconds, and retry selection.

The SERV 4WD Warning Light monitors the electronic shift four-wheel drive system. If this light remains on after engine start-up or illuminates during driving, it means that the four-wheel drive system is not functioning properly and that service is required.

WARNING!

Always engage the parking brake when powering down the vehicle if the SERV 4WD Warning Light is illuminated. Not engaging the parking brake may allow the vehicle to roll which may cause personal injury or death.

NOTE:

Do not attempt to make a shift while only the front or rear wheels are spinning. This could cause damage to driveline components.

When operating your vehicle in 4WD LOW, the engine speed is approximately three times that of the 2WD or 4WD HIGH positions at a given road speed. Take care not to overspeed the engine and do not exceed 25 mph (40 km/h).

Proper operation of four-wheel drive vehicles depends on tires of equal size, type and circumference on each wheel. Any difference in tire size can cause damage to the drivetrain.

Because four-wheel drive provides improved traction, there is a tendency to exceed safe turning and stopping speeds. Do not go faster than road conditions permit.

Shifting Procedure

- If any of the requirements to select a new transfer case position have not been met, then the transfer case will not shift. The position indicator light for the previous position will remain on and the newly selected position indicator light will continue to flash until all the requirements for the selected position have been met.
- If all the requirements to select a new transfer case position have been met, then the current position indicator light will turn off and the selected position indicator light will flash until the transfer case completes the shift. When the shift is complete, the position indicator light for the selected position will stop flashing and remain on.

2WD TO 4WD HIGH

Push the desired position on the four-wheel drive control switch to shift the transfer case. Shifts between 2WD and 4WD HIGH can be done with the vehicle stopped or in motion. With the vehicle in motion, the transfer case will engage/disengage faster if you momentarily release the accelerator pedal after turning the control switch. If the vehicle is stopped, the ignition switch must be in the ON/RUN position with the engine either running or off. This shift cannot be completed if the ignition switch is in the ACC position.

NOTE:

The four-wheel drive system will not allow shifts between 2WD/4WD HIGH if the front and/or rear wheels are spinning (no traction). In this situation, the selected position indicator light will flash and the original position indicator light will remain on. At this time, reduce speed and stop spinning the wheels to complete the shift.

2WD OR 4WD HIGH TO 4WD LOW

NOTE:

When shifting into or out of 4WD LOW some gear noise may be heard. This noise is normal and is not detrimental to the vehicle or occupants.

Shifting can be performed with the vehicle rolling 2 to 3 mph (3 to 5 km/h) or completely stopped. You can use either of the following procedures:

Preferred Procedure

1. With the engine running, slow the vehicle to 2 to 3 mph (3 to 5 km/h).

2. Shift the transmission into NEUTRAL.
3. While still rolling, push the desired position on the transfer case control switch.
4. After the desired position indicator light is on (not flashing), shift the transmission back into gear.

Alternate Procedure

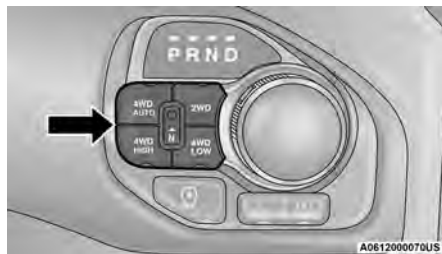
1. Bring the vehicle to a complete stop.
2. With the ignition switch in the ON/RUN position and the engine running, shift the transmission into NEUTRAL.
3. Push the desired position on the transfer case control switch.
4. After the desired position indicator light is on (not flashing), shift the transmission back into gear.

NOTE:

- If Steps 1 or 2 of either the Preferred or Alternate Procedure are not satisfied prior to attempting the shift, then the desired position indicator light will flash continuously while the original position indicator light is on, until all requirements have been met.
- The ignition switch must be in the ON/RUN position for a shift to take place and for the position indicator lights to be operable. If the ignition switch is not in the ON/RUN position, the shift will not take place and no position indicator lights will be on or flashing.

FIVE-POSITION ELECTRONICALLY SHIFTED TRANSFER CASE — IF EQUIPPED

This is an electronic shift transfer case and is operated by the 4WD Control Switch (Transfer Case Switch), which is located on the instrument panel.



Five-Position/On-Demand Transfer Case



Five-Position/On-Demand Transfer Case — GT Models

This electronically shifted transfer case provides five positions:

- **Two-Wheel Drive High Range (2WD)** — This range is for normal street and highway driving on dry hard surfaced roads. Driving the vehicle in 2WD will have greater fuel economy benefits as the front axle is not engaged in 2WD.
- **Four-Wheel Drive Automatic High Range (4WD AUTO)** — This range sends power to the front wheels automatically when the vehicle senses a loss of traction. This range may be used during varying road conditions.
- **Four-Wheel Drive High Range (4WD HIGH)** — This range provides torque to the front driveshaft (engages four-wheel drive) which allows front and rear wheels to spin at the same speed. This provides additional traction for loose or slippery road surfaces only.
- **Four-Wheel Drive Low Range (4WD LOW)** — This range provides low speed four-wheel drive. It maximizes torque (increased torque over 4WD HIGH) to the front driveshaft; allowing front and rear wheels to rotate at the same speed. This range provides additional traction and maximum pulling power for loose or slippery road surfaces only. Do not exceed 25 mph (40 km/h) in this range.
- **N (Neutral)** — This range disengages both the front and rear driveshafts from the powertrain. To be used for flat towing behind another vehicle ➞ page 180.

WARNING!

- You or others could be injured or killed if you leave the vehicle unattended with the transfer case in the N (Neutral) position without first fully engaging the parking brake. The transfer case N (Neutral) position disengages both the front and rear drive shaft from the powertrain, and will allow the vehicle to roll, even if the transmission is in PARK. The parking brake should always be applied when the driver is not in the vehicle.
- The transmission may not engage PARK if the vehicle is moving. Always bring the vehicle to a complete stop before shifting to PARK, and verify that the transmission gear position indicator solidly indicates PARK (P) without blinking. Ensure that the vehicle is completely stopped, and the PARK position is properly indicated, before exiting the vehicle.

NOTE:

- The 4WD HIGH and 4WD LOW positions are designed for loose, slippery road surfaces only. Driving in the 4WD HIGH and 4WD LOW positions on dry hard surfaced roads may cause increased tire wear and damage to the driveline components.
- The transfer case N (Neutral) button is located in the center of the 4WD Control Switch and is pushed by using a ballpoint pen or similar object. The transfer case N (Neutral) position is to be used for recreational towing only ➞ page 180.

Transfer Case Position Indicator Lights

The Transfer Case Position Indicator Lights (4WD HIGH, 4WD LOW, and 4WD AUTO) are located in the instrument cluster and indicate the current and desired transfer case selection. When you select a different transfer case position, the indicator lights will do the following:

1. The current position indicator light will turn off.
2. The selected position indicator light will flash until the transfer case completes the shift.
3. When the shift is complete, the indicator light for the selected position will stop flashing and remain on.

If the transfer case does not shift into the desired position, one or more of the following events may occur:

1. The indicator light for the current position will remain on.
2. The newly selected position indicator light will continue to flash.
3. If the transfer case **will not** shift, there will be a cluster message stating the 4WD shift has canceled.

NOTE:

Before retrying a selection, make certain that all the necessary requirements for selecting a new transfer case position have been met. To retry the selection, push the current position, wait five seconds, and retry selection.

The SERV 4WD Warning Light monitors the electronic shift four-wheel drive system. If this light remains on after engine start-up or illuminates during driving, it means that the four-wheel drive system is not functioning properly and that service is required.

WARNING!

Always engage the parking brake when powering down the vehicle if the SERV 4WD Warning Light is illuminated. Not engaging the parking brake may allow the vehicle to roll which may cause personal injury or death.

NOTE:

Do not attempt to make a shift while only the front or rear wheels are spinning. This could cause damage to driveline components.

When operating your vehicle in 4WD LOW, the engine speed is approximately three times that of the 2WD, 4WD AUTO or 4WD HIGH positions at a given road speed. Take care not to overspeed the engine and do not exceed 25 mph (40 km/h).

Proper operation of four-wheel drive vehicles depends on tires of equal size, type and circumference on each wheel. Any difference in tire size can cause damage to the drivetrain.

Because four-wheel drive provides improved traction, there is a tendency to exceed safe turning and stopping speeds. Do not go faster than road conditions permit.

Shifting Procedure

- If any of the requirements to select a new transfer case position have not been met, then the transfer case will not shift. The position indicator light for the previous position will remain on and the newly selected position indicator light will continue to flash until all the requirements for the selected position have been met.

- If all the requirements to select a new transfer case position have been met, then the current position indicator light will turn off and the selected position indicator light will flash until the transfer case completes the shift. When the shift is complete, the position indicator light for the selected position will stop flashing and remain on.

2WD TO 4WD AUTO OR 4WD LOCK

Push the desired position on the four-wheel drive control switch to shift the transfer case. Shifts between two-wheel drive and 4WD AUTO and 4WD LOCK can be done with the vehicle stopped or in motion. With the vehicle in motion, the transfer case will engage/disengage faster if you momentarily release the accelerator pedal after turning the control switch. If the vehicle is stopped, the ignition switch must be in the ON/RUN position with the engine either running or off. This shift cannot be completed if the ignition switch is in the ACC position.

NOTE:

The four-wheel drive system will not allow shifts between 2WD and 4WD AUTO/4WD LOCK if the front and/or rear wheels are spinning (no traction). In this situation, the selected position indicator light will flash and the original position indicator light will remain on. At this time, reduce speed and stop spinning the wheels to complete the shift.

2WD OR 4WD AUTO OR 4WD LOCK TO 4WD LOW

NOTE:

When shifting into or out of 4WD LOW some gear noise may be heard. This noise is normal and is not detrimental to the vehicle or occupants.

Shifting can be performed with the vehicle rolling 2 to 3 mph (3 to 5 km/h) or completely stopped. You can use either of the following procedures:

Preferred Procedure

1. With the engine running, slow the vehicle to 2 to 3 mph (3 to 5 km/h).
2. Shift the transmission into NEUTRAL.
3. While still rolling, push the desired position on the transfer case control switch.
4. After the desired position indicator light is on (not flashing), shift the transmission back into gear.

Alternate Procedure

1. Bring the vehicle to a complete stop.
2. With the ignition switch in the ON/RUN position and the engine running, shift the transmission into NEUTRAL.
3. Push the desired position on the transfer case control switch.
4. After the desired position indicator light is on (not flashing), shift the transmission back into gear.

NOTE:

- If Steps 1 or 2 of either the Preferred or Alternate Procedure are not satisfied prior to attempting the shift, then the desired position indicator light will flash continuously while the original position indicator light is on, until all requirements have been met.

- The ignition switch must be in the ON/RUN position for a shift to take place and for the position indicator lights to be operable. If the ignition switch is not in the ON/RUN position, the shift will not take place and no position indicator lights will be on or flashing.

FOUR-WHEEL DRIVE OPERATION—TRX

FOUR-POSITION ELECTRONICALLY SHIFTED TRANSFER CASE

This is an electronic shift transfer case and is operated by the 4WD Control Switch (Transfer Case Switch), which is located on the instrument panel.



Four-Position/On-Demand Transfer Case

This electronically shifted transfer case provides four positions:

- Four-Wheel Drive Automatic High Range (4WD AUTO)
- Four-Wheel Drive High Range (4WD HIGH)
- Four-Wheel Drive Low Range (4WD LOW)
- N (Neutral)

For additional information on the appropriate use of each transfer case position, see the following:

4WD AUTO

Four-Wheel Drive Auto High Range — This range always sends power to the front wheels and automatically adjusts the front and rear torque split to optimize performance for the operating conditions. For example, when the vehicle senses a loss of traction. This range may be used during varying road conditions.

4WD HIGH

Four-Wheel Drive High Range — This range provides torque to the front driveshaft (engages four-wheel drive) which allows front and rear wheels to spin at the same speed. This provides additional traction for loose or slippery road surfaces only. The use of 4WD HIGH on dry paved surfaces will increase tire wear and may cause damage to driveline components.

4WD LOW

Four-Wheel Drive Low Range — This range provides low-speed four-wheel drive. It maximizes torque (increased torque over 4WD HIGH) to the driveline; allowing front and rear wheels to rotate at the same speed. This range provides additional traction and maximum pulling power for loose or slippery road surfaces only. Do not exceed 55 mph (88 km/h) in this range. The use of 4WD LOW on dry paved surfaces will increase tire wear and may cause damage to driveline components.

N (Neutral)

N (Neutral) — This range disengages both the front and rear driveshafts from the powertrain. To be used for flat towing behind another vehicle.

WARNING!

- You or others could be injured or killed if you leave the vehicle unattended with the transfer case in the N (Neutral) position without first fully engaging the parking brake. The transfer case N (Neutral) position disengages both the front and rear drive shaft from the powertrain, and will allow the vehicle to roll, even if the transmission is in PARK. The parking brake should always be applied when the driver is not in the vehicle.
- The transmission may not engage PARK if the vehicle is moving. Always bring the vehicle to a complete stop before shifting to PARK, and verify that the transmission gear position indicator solidly indicates PARK (P) without blinking. Ensure that the vehicle is completely stopped, and the PARK position is properly indicated, before exiting the vehicle.

This electronically shifted transfer case is designed to be driven in the four-wheel drive auto position (4WD AUTO) for normal street and highway conditions on dry, hard surfaced roads.

When additional traction is required, the transfer case 4WD HIGH and 4WD LOW positions can be used to maximize torque to the front driveshaft, forcing the front and rear wheels to rotate at the same speed. This is accomplished pushing the desired position on the 4WD Control Switch.

For specific shifting instructions ➡ page 126.

The 4WD HIGH and 4WD LOW positions are designed for loose, slippery road surfaces only. Driving in the 4WD HIGH and 4WD LOW positions on dry, hard surfaced roads may cause increased tire wear and damage to the driveline components.

NOTE:

The transfer case N (Neutral) button is located in the center of the 4WD Control Switch and is pushed by using a ballpoint pen or similar object. The transfer case N (Neutral) position is to be used for recreational towing only.

Transfer Case Position Indicator Lights

The Transfer Case Position Indicator Lights (4WD HIGH and 4WD LOW) are located in the instrument cluster and indicate the current and desired transfer case selection. When you select a different transfer case position, the indicator lights will do the following:

1. The current position indicator light will turn off.
2. The selected position indicator light will flash until the transfer case completes the shift.
3. When the shift is complete, the indicator light for the selected position will stop flashing and remain on.

If the transfer case does not shift into the desired position, one or more of the following events may occur:

1. The indicator light for the current position will remain on.
2. The newly selected position indicator light will continue to flash.
3. If the transfer case **will not** shift, there will be a cluster message stating the 4WD shift has canceled.

NOTE:

Before retrying a selection, make certain that all the necessary requirements for selecting a new transfer case position have been met. To retry the selection, push the current position, wait five seconds, and retry selection. To find the shift requirements ➡ page 126.

The SERV 4WD Warning Light monitors the electronic shift four-wheel drive system. If this light remains on after engine start-up or illuminates during driving, it means that the four-wheel drive system is not functioning properly and that service is required.

WARNING!

Always engage the parking brake when powering down the vehicle if the SERV 4WD Warning Light is illuminated. Not engaging the parking brake may allow the vehicle to roll which may cause personal injury or death.

NOTE:

Do not attempt to make a shift while only the front or rear wheels are spinning. This could cause damage to driveline components.

When operating your vehicle in 4WD LOW, the engine speed is approximately three times that of the 4WD AUTO or 4WD HIGH positions at a given road speed. Take care not to overspeed the engine and do not exceed 55 mph (88 km/h).

Proper operation of four-wheel drive vehicles depends on tires of equal size, type and circumference on each wheel. Any difference in tire size can cause damage to the drivetrain.

Because four-wheel drive provides improved traction, there is a tendency to exceed safe turning and stopping speeds. Do not go faster than road conditions permit.

Shifting Procedure

- If any of the requirements to select a new transfer case position have not been met, then the transfer case will not shift. The position indicator light for the previous position will remain on and the newly selected position indicator light will continue to flash until all the requirements for the selected position have been met.
- If all the requirements to select a new transfer case position have been met, then the current position indicator light will turn off and the selected position indicator light will flash until the transfer case completes the shift. When the shift is complete, the position indicator light for the selected position will stop flashing and remain on.

2WD TO 4WD HIGH

Push the desired position on the four-wheel drive control switch to shift the transfer case. Shifts between 2WD and 4WD HIGH can be done with the vehicle stopped or in motion. With the vehicle in motion, the transfer case will engage/disengage faster if you momentarily release the accelerator pedal after turning the control switch. If the vehicle is stopped, the ignition switch must be in the ON/RUN position with the engine either running or off. This shift cannot be completed if the ignition switch is in the ACC position.

NOTE:

The four-wheel drive system will not allow shifts between 2WD/4WD HIGH if the front and/or rear wheels are spinning (no traction). In this situation, the selected position indicator light will flash and the original position indicator light will remain on. At this time, reduce speed and stop spinning the wheels to complete the shift.

2WD OR 4WD HIGH TO 4WD LOW

NOTE:

When shifting into or out of 4WD LOW some gear noise may be heard. This noise is normal and is not detrimental to the vehicle or occupants.

Shifting can be performed with the vehicle rolling 2 to 3 mph (3 to 5 km/h) or completely stopped. You can use either of the following procedures:

Preferred Procedure

1. With the engine running, slow the vehicle to 2 to 3 mph (3 to 5 km/h).
2. Shift the transmission into NEUTRAL.
3. While still rolling, push the desired position on the transfer case control switch.
4. After the desired position indicator light is on (not flashing), shift the transmission back into gear.

Alternate Procedure

1. Bring the vehicle to a complete stop.
2. With the ignition switch in the ON/RUN position and the engine running, shift the transmission into NEUTRAL.
3. Push the desired position on the transfer case control switch.
4. After the desired position indicator light is on (not flashing), shift the transmission back into gear.

NOTE:

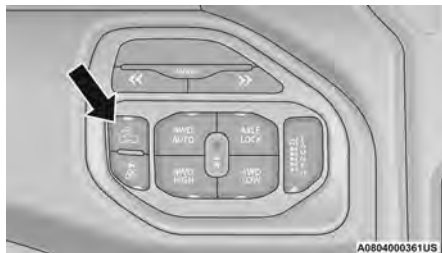
- If Steps 1 or 2 of either the Preferred or Alternate Procedure are not satisfied prior to attempting the shift, then the desired position indicator light will flash continuously while the original position indicator light is on, until all requirements have been met.
- The ignition switch must be in the ON/RUN position for a shift to take place and for the position indicator lights to be operable. If the ignition switch is not in the ON/RUN position, the shift will not take place and no position indicator lights will be on or flashing.

SELEC-SPEED CONTROL (SSC)

SSC is intended for off-road driving in 4WD LOW only. SSC maintains vehicle speed by actively controlling engine torque and brakes.

NOTE:

For vehicles not equipped with Trailer Reverse Steering Control (TRSC), your SSC button is located on the Auxiliary Switch Bank below your radio screen.



Select-Speed Control Button

SSC has three states:

1. Off (feature is not enabled and will not activate)
2. Enabled (feature is enabled and ready but activation conditions are not met, or driver is actively overriding with brake or throttle application)
3. Active (feature is enabled and actively controlling vehicle speed)

Enabling SSC

SSC is enabled by pushing the SSC button when the following conditions are met:

- The driveline is in 4WD LOW.
- The vehicle speed is below 5 mph (8 km/h).
- The parking brake is released.
- The driver door is closed.
- The driver is not applying throttle.

Activating SSC

Once SSC is enabled it will activate automatically once the following conditions are met:

- The driver releases the throttle.

- The driver releases the brake.
- The transmission is in any selection other than PARK.
- Your vehicle speed is below 20 mph (32 km/h).

The set speed for SSC is selectable by the driver, and can be adjusted by using the paddle shifters or the gear shift (+/-) on the steering wheel. Additionally, the SSC set speed may be reduced when climbing a grade and the level of set speed reduction depends on the magnitude of grade. The following summarizes the SSC set speeds:

SSC Target Set Speeds

- 1st = 0.6 mph (1 km/h)
- 2nd = 1.2 mph (2 km/h)
- 3rd = 1.8 mph (3 km/h)
- 4th = 2.5 mph (4 km/h)
- 5th = 3.1 mph (5 km/h)
- 6th = 3.7 mph (6 km/h)
- 7th = 4.3 mph (7 km/h)
- 8th = 5 mph (8 km/h)
- REVERSE = 0.6 mph (1 km/h)
- NEUTRAL = 1.2 mph (2 km/h)
- PARK = SSC remains enabled but not active

NOTE:

- During SSC, the (+/-) gear selector input is used for SSC target speed selection but will not affect the gear chosen by the transmission. While actively controlling SSC, the transmission will shift appropriately for the driver-selected set speed and corresponding driving conditions.

- SSC operation is influenced if one of the drive modes are active. The differences may be notable to the driver as a varying level of aggressiveness.

Driver Override

The driver may override SSC activation with throttle or brake application at any time.

Deactivating SSC

SSC will be deactivated but remain available if any of the following conditions occur:

- The driver overrides SSC set speed with throttle or brake application.
- The vehicle speed exceeds 20 mph (32 km/h) but remains below 40 mph (64 km/h).
- The vehicle is shifted into PARK.

Disabling SSC

SSC will deactivate and be disabled if any of the following conditions occur:

- The driver pushes the SSC button.
- The driveline is shifted out of the 4WD LOW.
- The parking brake is applied.
- The driver door opens.
- The vehicle is driven greater than 20 mph (32 km/h) for greater than 70 seconds.
- The vehicle is driven greater than 40 mph (64 km/h). SSC will exist immediately.

Feedback To The Driver

The instrument cluster has an SSC icon and the SSC switch has a lamp which offers feedback to the driver about the state SSC is in.

- The cluster icon and switch lamp will illuminate and remain on solid when SSC is enabled or activated. These are the normal operating conditions for SSC.

- The cluster icon and switch lamp will flash for several seconds then extinguish when the driver pushes the SSC switch but enabled conditions are not met.
- The cluster icon and switch lamp will flash for several seconds then extinguish when SSC disables due to excess speed.
- The cluster icon and switch lamp will flash then extinguish when SSC deactivates due to overheated brakes.

WARNING!

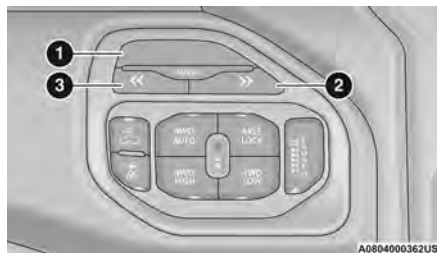
SSC is only intended to assist the driver in controlling vehicle speed when driving in off-road conditions. The driver must remain attentive to the driving conditions and is responsible for maintaining a safe vehicle speed.

TRX MODES

Description

TRX modes combine the capabilities of the vehicle control systems, along with driver input, to provide the best performance for all terrains.

Use the TRX button and selection arrows to select the desired mode.

**TRX Button**

- 1 — TRX Button
2 — Right Arrow
3 — Left Arrow

TRX modes consist of the following positions:

- **AUTO** – This mode is intended for typical on-road driving with default settings.
- **SNOW** – This mode maximizes traction and stability with equal torque split between the front and rear wheels. The transmission defaults to early shifting and engine throttle response is softened to reduce wheel slip. SNOW mode is only meant to assist and is not a replacement for safe driving practices during inclement weather. This feature will reset to AUTO upon an ignition cycle if not in 4WD LOW.
- **TOW** – This mode minimizes transmission gear changes and adapts the suspension for towing or hauling heavy loads. Drive torque is more evenly split between the front and rear wheels for improved traction. This feature will reset to AUTO upon an ignition cycle if not in 4WD LOW.

- **SPORT** – This mode improves handling capability through front and rear torque split and increased suspension control. The transmission delivers quicker, firmer shifts. Steering force is increased for improved feedback and control. This feature will reset to AUTO on an ignition cycle. SPORT mode is not available while in 4WD LOW.
- **CUSTOM** – This mode allows the driver to create a custom vehicle configuration that is saved for quick selection of favorite settings. The system will return to AUTO mode when the ignition switch is cycled from RUN to OFF to RUN, if this mode is selected. While in CUSTOM mode the Stability, Transmission, Steering, Suspension, and paddle shifter settings may be configured through the custom mode set-up. This feature will reset to AUTO on an ignition cycle if not in 4WD LOW.
- **MUD/SAND** – This mode maximizes traction with equal torque split front and rear. Traction control intervention is reduced to allow for peak performance on mud or sand. This feature will reset to AUTO on an ignition cycle if not in 4WD LOW.
- **ROCK** – This mode maximizes rock crawling competency by increasing torque at the wheels by using 4WD LOW mode. Steering and throttle are tuned for low speed driving. This mode can only be used at speeds below 30 mph (48 km/h).
- **BAJA** – This mode provides ideal transmission shifting to keep the engine in power band for best performance. Driveline, steering, and suspension actively adjust for optimal vehicle dynamic behavior on varying terrain. This feature will reset to AUTO on an ignition cycle. BAJA mode is not available while in 4WD LOW.

For further information and description ➞ page 207.

Adaptive Damping System

This vehicle is equipped with an electronically controlled damping system. This system reduces body roll and pitch in many driving situations including cornering, acceleration and braking. There are three modes:

- **Street Mode** (Available in drive mode positions AUTO, SNOW and CUSTOM.) — Used during highway speeds where a touring suspension feel is desired.
- **Sport Mode** (Available in drive mode positions SPORT, TOW, AUTO and CUSTOM.) — Provides a firm suspension for better handling on-road.
- **Baja Mode** (Available in drive mode positions AUTO, CUSTOM, MUD/SAND, ROCK and BAJA.) — Optimized for high-speed off-road driving.

Launch Control

This vehicle is equipped with a Launch Control system that is designed to allow the driver to achieve maximum vehicle acceleration in a straight line. Launch Control is a form of traction control that manages tire slip while launching the vehicle. This feature is intended for off-highway use where maximum acceleration is desired. The system is not intended to compensate for lack of driver experience or familiarity with the terrain. Use of this feature in low traction (cold, wet, gravel, etc.) conditions may result in excess wheel slip outside this system's control resulting in an aborted launch.

NOTE:

Launch Control allows you to select the best launch for vehicle, environmental, and traction conditions. When using this feature, start at a lower RPM launch setting and increment the RPM on subsequent launches until the best launch is experienced.

Preconditions:

- Launch Control should not be used on public roads. Always check surface conditions and the surrounding area.
- Launch Control is not available within the first 500 miles (805 km) of engine break-in.
- Launch Control should only be used when the engine and transmission are at operating temperature.
- Launch Control is intended to be used on dry, paved road surfaces only.

CAUTION!

Use on slippery or loose surfaces may cause damage to vehicle components and is not recommended.

- Launch Control is not available while operating in 4WD LOW.

Launch Control is only available when the following procedure is followed:

NOTE:

Pushing the TRX button on the control switch or pressing the Apps button on the touchscreen are the two options to access Launch Control features
➞ page 207.

1. Press the Race Options button on the touchscreen.
2. Press the Launch Control button on the touchscreen. This screen will allow you to adjust your launch RPM for optimum launch/traction.
3. Push the LAUNCH button on the TRX control switch or press the Activate Launch Control button on the touchscreen; follow instructions in the instrument cluster display.

- Make sure the vehicle is not moving
- Put vehicle in FIRST gear or DRIVE
- Steering wheel must be pointing straight
- Vehicle must be on level ground
- Apply brake pressure
- While holding the brake, rapidly apply and hold the accelerator pedal to wide open throttle. The engine speed will hold at the RPM that was set in the Launch RPM Set-up screen

NOTE:

Messages will appear in the instrument cluster display to inform the driver if one or more of the above conditions have not been met.

4. When the above conditions have been met, the instrument cluster display will read "Release Brake".
5. Keep the vehicle pointed straight.

Launch control will be active until the vehicle reaches 62 mph (100 km/h), at which point the Electronic Stability Control (ESC) system will return to its current ESC mode as well as previous drive mode.

Launch Control will abort before launch completion and display a "Launch Aborted" message in the instrument cluster when any of the following occur:

- The accelerator pedal is released during launch.
- The ESC system detects that the vehicle is no longer moving in a straight line.
- The ESC OFF button is pushed to change the system to another mode.

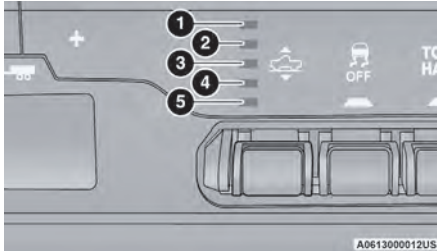
CAUTION!

Do not attempt to shift when the drive wheels are spinning and do not have traction. Damage to the transmission may occur.

ACTIVE-LEVEL FOUR CORNER AIR SUSPENSION SYSTEM — IF EQUIPPED

DESCRIPTION

The air suspension system provides full-time load-leveling capability along with the benefit of being able to adjust vehicle height by using the toggle switch.



Air Suspension Switch

- 1 — Off-Road 2 Indicator (Customer Selectable)
- 2 — Off-Road 1 Indicator (Customer Selectable)
- 3 — Normal Ride Height Indicator (Customer Selectable)
- 4 — Aero Height Indicator (Customer Selectable)
- 5 — Entry/Exit Height Indicator (Customer Selectable)

- **Off-Road 2 (OR2)** (Raises the vehicle approximately 2 inches [51 mm]) – This position is intended for off-road use only where maximum ground clearance is required. To enter OR2, push the height selector switch up twice from the NRH position or once from the OR1 position while vehicle speed is below 20 mph (32 km/h). While in OR2, if the vehicle speed exceeds 25 mph (40 km/h) the vehicle height will be automatically lowered to OR1. Off-Road 2 may not be available due to vehicle payload, an instrument cluster message is displayed when this occurs ➡ page 91.

CAUTION!

If the vehicle is in Off-Road 1 or Off-Road 2 setting, be aware of your surroundings, you may not have the clearance required for certain areas and vehicle damage may occur.

- **Off-Road 1 (OR1)** (Raises the vehicle approximately 1 inch [26 mm]) – This position should be the primary position for all off-road driving until Off-Road 2 (OR2) is needed. A smoother and more comfortable ride will result. To enter OR1, push the height selector switch up once from the NRH position while the vehicle speed is below 35 mph (56 km/h). When in the OR1 position, if the vehicle speed remains between 40 mph (64 km/h) and 50 mph (80 km/h) for greater than 20 seconds or if the vehicle speed exceeds 50 mph (80 km/h), the vehicle will be automatically lowered to NRH. Off-Road 1 may not be available due to vehicle payload, an instrument cluster message is displayed when this occurs ➡ page 91.

- **Normal Ride Height (NRH)** – This is the standard position of the suspension and is meant for normal driving.
- **Aero Height (Lowers the vehicle approximately 0.6 inch [15 mm])** – This position provides improved aerodynamics by lowering the vehicle. The vehicle will automatically enter Automatic Aero Mode when the vehicle speed remains between 62 mph (100 km/h) and 66 mph (106 km/h) for greater than 20 seconds or if the vehicle speed exceeds 66 mph (106 km/h). The vehicle will return to NRH from Aero Mode if the vehicle speed remains between 30 mph (48 km/h) and 35 mph (56 km/h) for greater than 20 seconds or if the vehicle speed falls below 30 mph (48 km/h).

NOTE:

- Automatic Aero mode will be disabled if a trailer is detected to prevent shifting loads.
- Speed thresholds for raising/lowering the vehicle automatically at higher speeds only apply if Automatic Aero Mode is enabled in your Uconnect Radio settings.

To enter Aero Height manually push the height selector switch down once from NRH at any vehicle speed. To return to NRH push the height selector switch up once while vehicle speed is less than 56 mph (90 km/h).

NOTE:

Automatic Aero Mode may be disabled through vehicle settings in the instrument cluster display ➡ page 91 or through your Uconnect Radio (if equipped) ➡ page 189.

- **Entry/Exit Height (Lowers the vehicle approximately 2 inches [51 mm])** – This position lowers the vehicle for easier passenger entry and exit as well as lower-

ing the vehicle for easier loading and unloading of cargo. To enter Entry/Exit Mode, push the height selector switch down once from the NRH while the vehicle speed is below 33 mph (53 km/h). Once the vehicle speed goes below 15 mph (24 km/h) the vehicle height will begin to lower. If the vehicle speed remains between 15 mph (24 km/h) and 25 mph (40 km/h) for greater than 60 seconds, or the vehicle speed exceeds 25 mph (40 km/h) the Entry/Exit change will be canceled. To return to Normal Height Mode, push the height selector switch up once while in Entry/Exit or drive the vehicle over 15 mph (24 km/h).

NOTE:

Entry/Exit Height may be achieved using the Remote Lowering feature on your key fob for easier entry/loading ➞ page 18.

CAUTION!

When in Entry/Exit Height, be aware of your surroundings, you may not have the clearance required for certain areas and vehicle damage may occur.

The system requires that the ignition be in the ON/RUN position or the engine running for all user requested changes. When lowering the vehicle, all of the doors must be closed. If a door is opened at any time while the vehicle is lowering, the change will not be completed until the open door(s) is closed.

This system uses a lifting and lowering pattern which keeps the headlights from incorrectly shining into oncoming traffic. When raising the vehicle, the rear of the vehicle will move up first and then the front. When lowering the vehicle, the front will move down first and then the rear.

After the engine is turned off, it may be noticed that the air suspension system operates briefly; this is normal. The system is correcting the position of the vehicle to ensure a proper appearance.

To assist with changing a spare tire, the air suspension system has a feature which allows the automatic leveling to be disabled ➞ page 91.

Default Ride Height:

- Select Aero Height or Normal Ride Height as the default for all vehicle speeds and operation. This is the selected height that the suspension will level for speed changes (e.g. raising from Entry/Exit Height at speed, lowering from Off-Road Height at speed, etc.).
- Default ride height can be changed by manually adjusting the Air Suspension switch to Normal Ride Height or Aero Ride Height and staying in the selected height for 2.5 seconds. It will be stored as the default ride height and the height will be maintained until a new default ride height is selected.

NOTE:

If equipped with a touchscreen radio, all enabling/disabling of air suspension features must be done through the radio ➞ page 189.

WARNING!

The air suspension system uses a high pressure volume of air to operate the system. To avoid personal injury or damage to the system, see an authorized dealer for service.

AIR SUSPENSION MODES

The air suspension system has multiple modes to protect the system in unique situations. The engine should be running to change between Air Suspension Modes.

Automatic Aero Mode

To improve aerodynamics, the air suspension system has a feature which will put the vehicle into Aero Height automatically at higher speeds ➞ page 91.

Automatic Aero Mode may be disabled through vehicle settings in the Uconnect Radio (if equipped) ➞ page 189.

Tire Jack Mode

To assist with changing a tire, the air suspension system has a feature which allows the automatic leveling to be disabled ➞ page 189.

Transport Mode

For towing your vehicle with four wheels off the road, the air suspension system has a feature which will put the vehicle into Entry/Exit height and disable the automatic load leveling system ➞ page 189.

Wheel Alignment Mode

Before performing a wheel alignment, this mode must be enabled which will put the vehicle into NRH and disable automatic leveling ➞ page 189.

Protection Strategy

In order to protect the air suspension system, the vehicle will disable load leveling as required (suspension overloaded, battery charge low, etc.). Load leveling will automatically resume as soon as system operation requirements are met. See an authorized dealer if system does not resume.

NOTE:

For towing with air suspension ➞ page 169.

INSTRUMENT CLUSTER DISPLAY MESSAGES

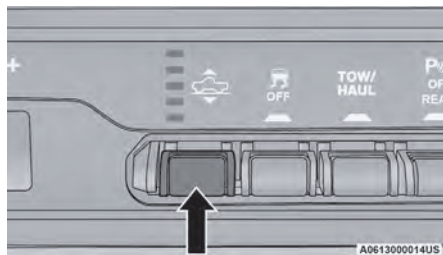
When the appropriate conditions exist, a message will appear in the instrument cluster display ➔ page 91.

An audible chime will be heard whenever a system error has been detected.

See an authorized dealer for system service if normal operation does not resume.

OPERATION

The indicator lamps 1 through 5 will illuminate to show the current position of the vehicle. Flashing indicator lamps will show a position which the system is working to achieve. When raising, if multiple indicator lamps are flashing, the highest flashing indicator lamp is the position the system is working to achieve. When lowering, if multiple indicators are flashing, the lowest solid indicator lamp is the position the system is working to achieve.



Air Suspension Switch

Pushing the height selector up once will move the suspension one position higher from the current position, assuming all conditions are met (i.e., ignition in ON/RUN position, engine running, speed below threshold, etc.). The height selector switch can be pushed up multiple times, each push will raise the requested level by one position up to a maximum position of OR2 or the highest position allowed based on current conditions (i.e., vehicle speed, etc.).

Pushing the height selector down once will move the suspension one position lower from the current level, assuming all conditions are met (i.e., ignition in ON/RUN position, engine running, doors closed, speed below threshold, etc.). The height selector switch can be pushed down multiple times, each push will lower the requested level by one position down to a minimum of Entry/Exit Mode or the lowest position allowed based on current conditions (i.e., vehicle speed, etc.).

Automatic height changes will occur based on vehicle speed and the current vehicle height. The indicator lamps and instrument cluster display messages will operate the same for automatic changes and user requested changes.

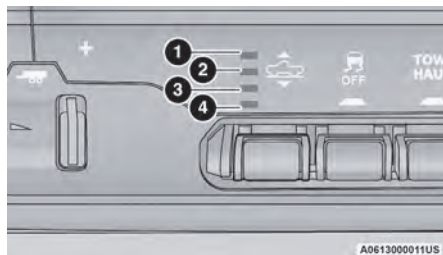
- Off-Road 2 (OR2) – Indicator lamps 5, 4, 3, 2 and 1 will be illuminated.
- Off-Road 1 (OR1) – Indicator lamps 5, 4, 3 and 2 will be illuminated.
- Normal Ride Height (NRH) – Indicator lamps 5, 4 and 3 will be illuminated.
- Aero Height – Indicator lamps 5 and 4 will be illuminated.

- Entry/Exit – Indicator lamp 5 will be illuminated. Entry/Exit can be requested up to 33 mph (53 km/h). If vehicle speed is reduced to, and kept below, 15 mph (24 km/h) indicator lamp 4 will flash and indicator lamp 5 will remain solid until Entry/Exit is achieved at which point indicator lamp 4 will turn off.
- Automatic Aero Mode – Indicator lamps 5 and 4 will be illuminated.
- Transport Mode – No indicator lamps will be illuminated. Transport Mode is disabled by driving the vehicle or disabling in the Uconnect settings.
- Tire/Jack Mode – Indicator lamps 5 and 1 will be illuminated. Tire/Jack Mode is disabled by driving the vehicle or disabling in the Uconnect settings.
- Wheel Alignment Mode – Indicator lamps 3, 4, and 5 will be illuminated. Wheel Alignment Mode is disabled by driving the vehicle or disabling in the Uconnect settings.

ACTIVE-LEVEL FOUR CORNER AIR SUSPENSION SYSTEM (OFF-ROAD GROUP) — IF EQUIPPED

DESCRIPTION

The air suspension system provides full-time load-leveling capability along with the benefit of being able to adjust vehicle height by using the toggle switch.



Rebel Air Suspension Controls

- 1 — Off-Road Indicator (Customer Selectable)
- 2 — Normal Ride Height Indicator (Customer Selectable)
- 3 — Aero Height Indicator (Customer Selectable)
- 4 — Entry/Exit Height Indicator (Customer Selectable)

- **Off-Road (OR) (Raises the vehicle approximately 1 inch [26 mm])** – This position is intended for off-roading use only where maximum ground clearance is required. To enter OR, push the height selector switch up once from the NRH position while vehicle speed is below 20 mph (32 km/h). While in OR, if

the vehicle speed exceeds 25 mph (40 km/h) the vehicle height will be automatically lowered to NRH. Off-Road may not be available due to vehicle payload, an instrument cluster display message is shown when this occurs → page 91.

CAUTION!

If the vehicle is in Off-Road setting, be aware of your surroundings, you may not have the clearance required for certain areas and vehicle damage may occur.

- **Normal Ride Height (NRH)** – This is the standard position of the suspension and is meant for normal driving.
- **Aero Height (Lowers the vehicle approximately 0.6 inches [15 mm])** – This position provides improved aerodynamics by lowering the vehicle. The vehicle will automatically enter Automatic Aero Mode when the vehicle speed remains between 62 mph (100 km/h) and 66 mph (106 km/h) for greater than 20 seconds or if the vehicle speed exceeds 66 mph (106 km/h). The vehicle will return to NRH from Aero Mode if the vehicle speed remains between 30 mph (48 km/h) and 35 mph (56 km/h) for greater than 20 seconds or if the vehicle speed falls below 30 mph (48 km/h).

NOTE:

- Automatic Aero mode will be disabled if a trailer is detected to prevent shifting loads.
- Speed thresholds for raising or lowering the vehicle only apply if Automatic Aero Mode is enabled through vehicle settings on your Uconnect Radio.

- To enter Aero Height manually push the height selector switch down once from NRH at any vehicle speed. To return to NRH push the height selector switch up once while vehicle speed is less than 56 mph (90 km/h).
- Automatic Aero Mode may be disabled through vehicle settings on your Uconnect Radio.
- **Entry/Exit Height (Lowers the vehicle approximately 3 inches [73 mm])** – This position lowers the vehicle for easier passenger entry and exit as well as lowering the vehicle for easier loading and unloading of cargo. To enter Entry/Exit Mode, push the height selector switch down twice from the NRH while the vehicle speed is below 33 mph (53 km/h). Once the vehicle speed goes below 15 mph (24 km/h) the vehicle height will begin to lower. If the vehicle speed remains between 15 mph (24 km/h) and 25 mph (40 km/h) for greater than 60 seconds, or the vehicle speed exceeds 25 mph (40 km/h) the Entry/Exit change will be canceled. To return to Normal Height Mode, push the height selector switch up twice while in Entry/Exit or drive the vehicle over 15 mph (24 km/h). Entry/Exit Height may not be available due to vehicle payload, an instrument cluster display message is shown when this occurs → page 91.

CAUTION!

When in Entry/Exit Height, be aware of your surroundings, you may not have the clearance required for certain areas and vehicle damage may occur.

The system requires that the ignition be in the ON/RUN position or the engine running for all user requested changes. When lowering the vehicle, all of the doors

must be closed. If a door is opened at any time while the vehicle is lowering, the change will not be completed until the open door(s) is closed.

This system uses a lifting and lowering pattern which keeps the headlights from incorrectly shining into oncoming traffic. When raising the vehicle, the rear of the vehicle will move up first and then the front. When lowering the vehicle, the front will move down first and then the rear.

After the engine is turned off, it may be noticed that the air suspension system operates briefly; this is normal. The system is correcting the position of the vehicle to ensure a proper appearance.

To assist with changing a spare tire, the air suspension system has a feature which allows the automatic leveling to be disabled ➞ page 189.

Default Ride Height:

- Select Aero Height or Normal Ride Height as the default for all vehicle speeds and operation. This is the selected height that the suspension will level for speed changes (e.g. raising from Entry/Exit Height at speed, lowering from Off-Road Height at speed, etc.).
- Default ride height can be changed by manually adjusting the Air Suspension switch to Normal Ride Height or Aero Ride Height and staying in the selected height for 2.5 seconds. It will be stored as the default ride height and the height will be maintained until a new default ride height is selected.

NOTE:

If equipped with a touchscreen radio, all enabling/disabling of air suspension features must be done through the radio ➞ page 189.

WARNING!

The air suspension system uses a high pressure volume of air to operate the system. To avoid personal injury or damage to the system, see an authorized dealer for service.

AIR SUSPENSION MODES

The air suspension system has multiple modes to protect the system in unique situations:

Automatic Aero Mode

To improve aerodynamics, the air suspension system has a feature which will put the vehicle into Aero height automatically at higher speeds ➞ page 91.

Tire Jack Mode

To assist with changing a tire, the air suspension system has a feature which allows the automatic leveling to be disabled ➞ page 189.

Transport Mode

For towing your vehicle with four wheels off the road, the air suspension system has a feature which will put the vehicle into Entry/Exit height and disable the automatic load leveling system ➞ page 189.

Wheel Alignment Mode

Before performing a wheel alignment, this mode must be enabled which moves the vehicle to normal ride height and disables the automatic leveling ➞ page 189.

Protection Strategy

In order to protect the air suspension system, the vehicle will disable load leveling as required (suspension overloaded, battery charge low, etc.). Load leveling will automatically resume as soon as system operation requirements are met. See an authorized dealer if system does not resume.

NOTE:

For towing with air suspension ➞ page 169.

INSTRUMENT CLUSTER DISPLAY MESSAGES

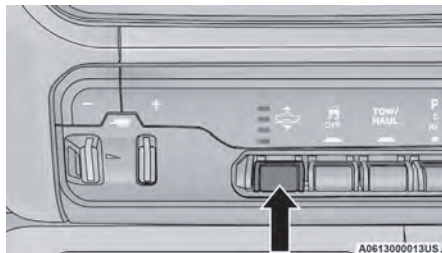
When the appropriate conditions exist, a message will appear in the instrument cluster display ➞ page 91.

An audible chime will be heard whenever a system error has been detected.

See an authorized dealer for system service if normal operation does not resume.

OPERATION

The indicator lamps 1 through 4 will illuminate to show the current position of the vehicle. Flashing indicator lamps will show a position which the system is working to achieve. When raising or lowering, the flashing indicator lamp is the position the system is working to achieve.

**Air Suspension Switch**

Pushing the height selector switch up once will move the suspension one position higher from the current position, assuming all conditions are met (i.e., key in ON/RUN position, engine running, speed below threshold, etc.). The height selector switch can be pushed up multiple times, each push will raise the requested level by one position up to a maximum position of OR or the highest position allowed based on current conditions (i.e., vehicle speed, etc.).

Pushing the height selector switch down once will move the suspension one position lower from the current level, assuming all conditions are met (i.e., key in ON/RUN position, engine running, doors closed, speed below threshold, etc.). The height selector switch can be pushed down multiple times, each push will lower the requested level by one position down to a minimum of Entry/Exit Mode or the lowest position allowed based on current conditions (i.e., vehicle speed, etc.).

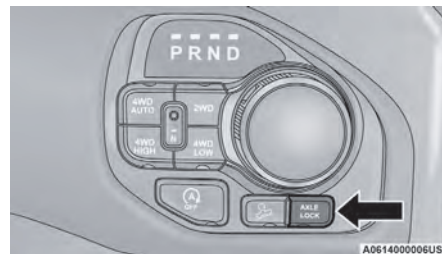
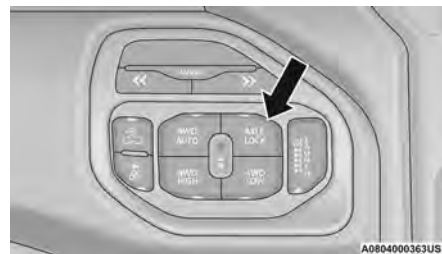
Automatic height changes will occur based on vehicle speed and the current vehicle height. The indicator lamps and instrument cluster display messages will operate the same for automatic changes and user requested changes.

- Off-Road 1 (OR1) – Indicator lamps 4, 3, 2, and 1 will be illuminated.
- Normal Ride Height (NRH) – Indicator lamps 4, 3, and 2 will be illuminated.
- Aero Height – Indicator lamps 4 and 3 will be illuminated.
- Entry/Exit – Indicator lamp 4 will be illuminated. Entry/Exit can be requested up to 33 mph (53 km/h). If vehicle speed is reduced to, and kept below, 15 mph (24 km/h) indicator lamp 3 will flash and indicator lamp 4 will remain solid until Entry/Exit is achieved at which point indicator lamp 3 will turn off.
- Automatic Aero Mode – Indicator lamps 5 and 4 will be illuminated.
- Transport Mode – No indicator lamps will be illuminated. Transport Mode is disabled by driving the vehicle or disabling through the Uconnect settings.
- Tire/Jack Mode – Indicator lamps 4 and 1 will be illuminated. Tire/Jack Mode is disabled by driving the vehicle or disabling through the Uconnect settings.
- Wheel Alignment Mode – Indicator lamps 2, 3, and 4 will be illuminated. Wheel Alignment Mode is disabled by driving the vehicle or disabling through the Uconnect settings.

AXLE LOCK SYSTEM — IF EQUIPPED

This vehicle is equipped with an electronically locking rear differential. When engaged, this differential locks the axle shafts forcing the wheels to spin at an equal rate. The locking of the rear differential should only be engaged during low-speed, extreme off-road situations where one wheel is likely to not be in contact with the

ground. It is not recommended to drive the vehicle with the differentials locked on pavement due to the reduced ability to turn and speed limitations.

**AXLE LOCK Button****AXLE LOCK Button - TRX Models**

CAUTION!

- Do not lock the rear axle on hard surfaced roads. The ability to steer the vehicle is reduced and damage to the drivetrain may occur when the axle is locked on hard surfaced roads.
- Do not try to lock the rear axle if the vehicle is stuck and the tires are spinning. You can damage drivetrain components. Lock the rear axle before attempting situations or navigating terrain, which could possibly cause the vehicle to become stuck.

The locking rear axle is controlled by the AXLE LOCK button.

Under normal driving conditions, the rear axle should be unlocked.

During the command to lock the rear axle, the indicator light will flash until the axle is locked. After the lock command has been successfully executed, the light will remain on solid.

Operating in 4WD LOW the locker can be engaged up to 40 mph (64 km/h) and will remain engaged throughout the 4WD LOW speed range.

Operating the locker in 2WD, 4WD AUTO, and 4WD LOCK/HIGH, the locker can be engaged up to 20 mph (32 km/h). While driving with the locker engaged, if speed exceeds 25 mph (40 km/h), the locker will automatically disengage, but will automatically re-engage at 20 mph (32 km/h).

NOTE:

Left to right wheel speed difference may be necessary to allow the rear axle to fully lock. If the indicator light is flashing after selecting the rear axle lock mode, drive the vehicle in a turn or on loose gravel to expedite the locking action.

The axle locker could become torque locked due to side to side loads on the rear axle. Driving slowly while turning the steering wheel from a left hand turn to a right hand turn or driving in REVERSE for a short distance may be required to release the torque lock and unlock the axles.

To unlock the rear axle, push the AXLE LOCK button. The AXLE LOCK indicator light will go out when the rear axle is unlocked.

LIMITED-SLIP DIFFERENTIAL — IF EQUIPPED

The limited-slip differential provides additional traction on snow, ice, mud, sand and gravel, particularly when there is a difference between the traction characteristics of the surface under the right and left rear wheels. During normal driving and cornering, the limited-slip unit performs similarly to a conventional differential. On slippery surfaces, however, the differential delivers more of the driving effort to the rear wheel having the better traction.

The limited-slip differential is especially helpful during slippery driving conditions. With both rear wheels on a slippery surface, a slight application of the accelerator will supply maximum traction. When starting with only one rear wheel on an excessively slippery surface, slight momentary application of the parking brake may be necessary to gain maximum traction.

WARNING!

When servicing vehicles equipped with a limited-slip or locking differential, never run the engine with one rear wheel off the ground as the vehicle may drive through the rear wheel remaining on the ground and result in unintended movement.

Care should be taken to avoid sudden accelerations when both rear wheels are on a slippery surface. This could cause both rear wheels to spin, and allow the vehicle to slide sideways on the crowned surface of a road or in a turn.

4

FUEL SAVER TECHNOLOGY 5.7L ENGINES ONLY — IF EQUIPPED

This feature offers improved fuel economy by shutting off four of the engine's eight cylinders during light load and cruise conditions. The system is automatic with no driver inputs.

NOTE:

This system may take some time to return to full functionality after a battery disconnect.

POWER STEERING

ELECTRIC POWER STEERING

The electric power steering system will provide increased vehicle response and ease of maneuverability. The electric power steering system adapts to different driving conditions.

WARNING!

Continued operation with reduced assist could pose a safety risk to yourself and others. Service should be obtained as soon as possible.

Alternate electric power steering efforts can be selected through the Uconnect system.

If the Electric Power Steering warning icon is displayed and the “Service Power Steering” or the “Power Steering Assist Off – Service System” message is displayed within the instrument cluster display, this indicates the vehicle needs to be taken to an authorized dealer for service ➡ page 91.

If the Electric Power Steering warning icon is displayed and the “Power Steering System Over Temp” message is displayed on the instrument cluster display, this indicates an over temperature condition in the power steering system. Once driving conditions are safe, pull over and let the vehicle idle for a few moments until the icon and message turn off ➡ page 91.

NOTE:

- Even if the power steering assistance is no longer operational, it is still possible to steer the vehicle. Under these conditions there will be a substantial increase in steering effort, especially at low speeds and during parking maneuvers.
- If the condition persists, see an authorized dealer for service.

STOP/START SYSTEM — IF EQUIPPED

The Stop/Start function, included with eTorque equipped vehicles, is developed to save fuel and reduce emissions. The system will stop the engine automatically as the vehicle decelerates at low speeds if the required conditions are met. Releasing the brake pedal or shifting out of DRIVE will automatically restart the engine.

Vehicles equipped with eTorque contain a heavy-duty motor generator and an additional hybrid electric battery to store energy from vehicle deceleration used to expand engine off energy storage and for engine startup after a stop, as well as providing engine torque assist when conditions are met to enable this.

AUTOSTOP MODE

The Stop/Start feature is enabled after every normal customer engine start. It will remain in STOP/START NOT READY until you drive forward with a vehicle speed greater than 2 mph (3 km/h). At that time, the system will go into STOP/START READY and if all other conditions are met, the system may go into STOP/START AUTOSTOP ACTIVE Autostop mode.

To Activate The Autostop Mode, The Following Must Occur:

1. The system must be in STOP/START READY state. A STOP/START READY message is displayed in the instrument cluster within the Stop/Start section ➡ page 91.
2. The vehicle must be decelerating and likely coming to a complete stop.
3. The transmission gear selector must be in DRIVE and the brake pedal pressed.

The engine will shut down, the tachometer will move to the zero position and the Stop/Start telltale will illuminate indicating you are in an Autostop. While in an Autostop, the Climate Controls system may automatically adjust airflow to maintain cabin comfort. Customer settings will be maintained upon return to an engine running condition.

POSSIBLE REASONS THE ENGINE DOES NOT AUTOSTOP

Prior to engine shut down, the system will check many safety and comfort conditions to see if they are fulfilled. In following situations, the engine will not Autostop:

- Driver's seat belt is not buckled
- Driver's door is not closed
- The vehicle is on a steep grade
- Cabin heating or cooling is in process and an acceptable cabin temperature has not been achieved
- HVAC is set to full defrost mode at a high blower speed
- Engine has not reached normal operating temperature
- Engine or exhaust temperature is too high
- The battery is charging
- The transmission is not in DRIVE
- Hood is open
- Transfer case is in 4WD LOW
- TOW/HAUL mode is selected
- Accelerator pedal input
- Excessive 12 Volt loads
- Brake application is adequate to obtain and maintain a stop

It may be possible to operate the vehicle several consecutive times in extreme conditions and not meet all criteria to enable an Autostop state.

TO START THE ENGINE WHILE IN AUTOSTOP MODE

While in DRIVE, the engine will start when the brake pedal is released or the accelerator pedal is pressed and the transmission will automatically reengage upon engine restart.

Conditions That Will Cause The Engine To Start Automatically While In Autostop Mode

The engine will start automatically when:

- The transmission selector is moved from DRIVE to REVERSE, NEUTRAL, or PARK
- To maintain cabin temperature near the HVAC settings
- HVAC is set to full defrost mode
- 12 Volt demand requires engine restart
- Stop/Start OFF switch is pushed
- Transfer case is in 4WD LOW
- The emissions system override is present
- A Stop/Start system error is present

Conditions That Force An Automatic Shift To Park While In Autostop Mode

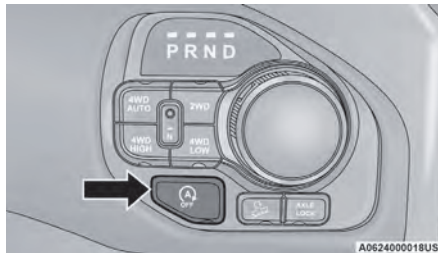
The engine will not start automatically and the transmission will be placed in PARK if:

- The driver door is open and brake pedal released
- The driver door is open and the driver seat belt is unbuckled
- The engine hood has been opened
- A Stop/Start system error is present

The engine may then be restarted by moving the transmission shift selector out of PARK (e.g., to DRIVE) or, in some cases, only by a key start. The instrument cluster will display a "SHIFT OUT OF PARK" message, or a "STOP/START KEY START REQUIRED" message, to indicate which action is required ➞ page 91.

TO MANUALLY TURN OFF THE STOP/START SYSTEM

Push the Stop/Start OFF switch (located on the switch bank). The light on the switch will illuminate. The "STOP/START OFF" message will appear in the instrument cluster display and the Autostop mode will be disabled ➞ page 91.



Stop/Start OFF Switch

NOTE:

The Stop/Start system will reset itself back to the ON position every time the ignition is turned OFF and back ON.

TO MANUALLY TURN ON THE STOP/START SYSTEM

Push the Stop/Start OFF switch (located on the switch bank). The light on the switch will turn off.

SYSTEM MALFUNCTION

If there is a malfunction in the Stop/Start system, the system will not shut down the engine. A "SERVICE STOP/START SYSTEM" message will appear in the instrument cluster display ➞ page 101.

The system will need to be checked by an authorized dealer.

4

CRUISE CONTROL SYSTEMS — IF EQUIPPED

Your vehicle may be equipped with the Cruise Control system, or the Adaptive Cruise Control (ACC) system:

- Cruise Control will keep your vehicle at a constant preset speed.
- Adaptive Cruise Control (ACC) will adjust the vehicle speed up to the preset speed to maintain a distance with the vehicle ahead.

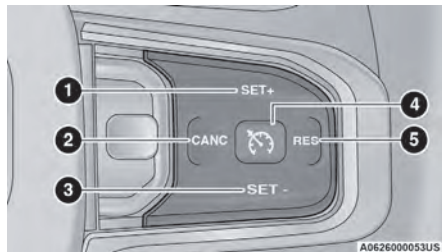
NOTE:

- In vehicles equipped with ACC, if ACC is not enabled, Fixed Speed Cruise Control will not detect vehicles directly ahead of you. Always be aware of the feature selected.
- Only one Cruise Control feature can operate at a time. For example, if Fixed Speed Cruise Control is enabled, Adaptive Cruise Control will be unavailable, and vice versa.

CRUISE CONTROL

When engaged, the Cruise Control takes over accelerator operations at speeds greater than 20 mph (32 km/h).

The Cruise Control buttons are located on the right side of the steering wheel.



Cruise Control Buttons

- 1 — SET (+)/Accel
- 2 — CANCEL/Cancel
- 3 — SET (-)/Decel
- 4 — On/Off
- 5 — RES/Resume

WARNING!

Cruise Control can be dangerous where the system cannot maintain a constant speed. Your vehicle could go too fast for the conditions, and you could lose control and have an accident. Do not use Cruise Control in heavy traffic or on roads that are winding, icy, snow-covered or slippery.

To Activate

Push the on/off button to activate the Cruise Control. The Cruise Control Indicator Light in the instrument cluster display will illuminate. To turn the system off, push the on/off button a second time. The Cruise Control Indicator Light will turn off. The system should be turned off when not in use.

WARNING!

Leaving the Cruise Control system on when not in use is dangerous. You could accidentally set the system or cause it to go faster than you want. You could lose control and have an accident. Always ensure the system is off when you are not using it.

To Set A Desired Speed

Turn the Cruise Control on.

When the vehicle has reached the desired speed, push the SET (+) or SET (-) button and release. Release the accelerator and the vehicle will operate at the selected speed.

NOTE:

The vehicle should be traveling at a steady speed and on level ground before pushing the SET (+) or SET (-) button.

To Vary The Speed Setting

To Increase Or Decrease The Set Speed

After setting a speed, you can increase the set speed by pushing the SET (+) button, or decrease speed by pushing the SET (-) button.

U.S. Speed (mph)

- Pushing the SET (+), or SET (-) button once will result in a 1 mph speed adjustment. Each subsequent tap of the button results in an adjustment of 1 mph.
- If the button is continually pushed, the set speed will continue to adjust in 5 mph increments until the button is released. The new set speed is reflected in the instrument cluster display.

Metric Speed (km/h)

- Pushing the SET (+), or SET (-) button once will result in a 1 km/h speed adjustment. Each subsequent tap of the button results in an adjustment of 1 km/h.
- If the button is continually pushed, the set speed will continue to adjust in 10 km/h increments until the button is released. The new set speed is reflected in the instrument cluster display.

NOTE:

When you override and push the SET (+) or SET (-) button, the new set speed will be the current speed of the vehicle.

To Accelerate For Passing

While the Cruise Control is set, press the accelerator to pass as you would normally. When the pedal is released, the vehicle will return to the set speed.

USING CRUISE CONTROL ON HILLS

The transmission may downshift on hills to maintain the vehicle set speed.

The Cruise Control system maintains speed up and down hills. A slight speed change on moderate hills is normal. On steep hills, a greater speed loss or gain may occur so it may be preferable to drive without Cruise Control.

WARNING!

Cruise Control can be dangerous where the system cannot maintain a constant speed. Your vehicle could go too fast for the conditions, and you could lose control and have an accident. Do not use Cruise Control in heavy traffic or on roads that are winding, icy, snow-covered or slippery.

To Resume Speed

To resume a previously set speed, push the RES button and release. Resume can be used at any speed above 20 mph (32 km/h).

To Deactivate

A tap on the brake pedal, pushing the CANC (cancel) button, or normal brake pressure while slowing the vehicle will deactivate the Cruise Control system without erasing the set speed from memory.

The following conditions will also deactivate the Cruise Control system without erasing the set speed from memory:

- Vehicle parking brake is applied
- Stability event occurs

- Gear selector is moved out of DRIVE
- Engine overspeed occurs

Pushing the on/off button or placing the ignition in the OFF position, erases the set speed from memory.

ADAPTIVE CRUISE CONTROL (ACC)

Adaptive Cruise Control (ACC) increases the driving convenience provided by Cruise Control while traveling on highways and major roadways. However, it is not a safety system and not designed to prevent collisions.

The Cruise Control function performs differently

➞ **page 141.**

ACC will allow you to keep Cruise Control engaged in light to moderate traffic conditions without the constant need to reset your speed. ACC utilizes a radar sensor and a forward facing camera designed to detect a vehicle directly ahead of you to maintain a set speed.

NOTE:

- If the ACC sensor detects a vehicle ahead, ACC will apply limited braking or acceleration (not to exceed the original set speed) automatically to maintain a preset following distance, while matching the speed of the vehicle ahead.
- Any chassis/suspension or tire size modifications to the vehicle will affect the performance of the Adaptive Cruise Control and Forward Collision Warning system.
- Fixed Speed Cruise Control (ACC not enabled) will not detect vehicles directly ahead of you. Always be aware of the feature selected.

WARNING!

- Adaptive Cruise Control (ACC) is a convenience system. It is not a substitute for active driver involvement. It is always the driver's responsibility to be attentive of road, traffic, and weather conditions, vehicle speed, distance to the vehicle ahead and, most importantly, brake operation to ensure safe operation of the vehicle under all road conditions. Your complete attention is always required while driving to maintain safe control of your vehicle. Failure to follow these warnings can result in a collision and death or serious personal injury.

- The ACC system:

- Does not react to pedestrians, oncoming vehicles, and stationary objects (e.g., a stopped vehicle in a traffic jam or a disabled vehicle).
- Cannot take street, traffic, and weather conditions into account, and may be limited upon adverse sight distance conditions.
- Does not always fully recognize complex driving conditions, which can result in wrong or missing distance warnings.
- Will bring your vehicle to a complete stop while following a vehicle ahead and hold your vehicle for approximately three minutes in the stop position. If the vehicle ahead does not start moving within three minutes the parking brake will be activated, and the ACC system will be canceled.

You should not utilize the ACC system:

- When driving in fog, heavy rain, heavy snow, sleet, heavy traffic, and complex driving situations (i.e., in highway construction zones).
- When entering a turn lane or highway off-ramp; when driving on roads that are winding, icy, snow-covered, slippery, or have steep uphill or downhill slopes.

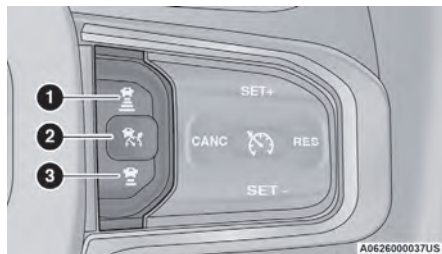
(Continued)

WARNING!

- When towing a trailer up or down steep slopes.
- When circumstances do not allow safe driving at a constant speed.

Adaptive Cruise Control (ACC) Operation

The buttons on the right side of the steering wheel operate the Adaptive Cruise Control system.



Adaptive Cruise Control Buttons

- 1 — Distance Setting Increase
 2 — Adaptive Cruise Control (ACC) On/Off
 3 — Distance Setting Decrease

Adaptive Cruise Control (ACC) Menu

The instrument cluster display will show the current ACC system settings. The information it displays depends on ACC system status.

Push the Adaptive Cruise Control (ACC) on/off button until one of the following appears in the instrument cluster display:

Adaptive Cruise Control Off

When ACC is deactivated, the display will read "Adaptive Cruise Control Off."

Adaptive Cruise Control Ready

When ACC is activated, but the vehicle speed setting has not been selected, the display will read "Adaptive Cruise Control Ready."

Adaptive Cruise Control Set

When the SET (+) or the SET (-) button is pushed, the display will read "ACC SET."

When ACC is set, the set speed will show in the instrument cluster display.

The ACC screen may display once again if any of the following ACC activity occurs:

- System Cancel
- Driver Override
- System Off
- ACC Proximity Warning
- ACC Unavailable Warning

The instrument cluster display will return to the last display selected after five seconds of no ACC display activity.

Activating Adaptive Cruise Control (ACC)

The minimum set speed for the ACC system is 19 mph (30 km/h).

When the system is turned on and in the ready state, the instrument cluster display will read "ACC Ready."

When the system is off, the instrument cluster display will read "Adaptive Cruise Control (ACC) Off."

NOTE:

You cannot engage ACC under the following conditions:

- When in 4WD Low
- When the brakes are applied
- When the parking brake is applied
- When the automatic transmission is in PARK, REVERSE or NEUTRAL
- When the vehicle speed is below the minimum speed range
- When the brakes are overheated
- When the driver's door is open at low speeds
- When the driver's seat belt is unbuckled at low speeds
- When there is a stationary vehicle in front of your vehicle in close proximity
- When Electronic Stability Control (ESC) Full Off mode is active

To Activate/Deactivate

Push and release the Adaptive Cruise Control (ACC) on/off button. The ACC menu in the instrument cluster displays "ACC Ready."

To turn the system off, push and release the Adaptive Cruise Control (ACC) on/off button again. At this time, the system will turn off and the instrument cluster display will show "Adaptive Cruise Control (ACC) Off."

WARNING!

Leaving the Adaptive Cruise Control (ACC) system on when not in use is dangerous. You could accidentally set the system or cause it to go faster than you want. You could lose control and have a collision. Always leave the system off when you are not using it.

To Set A Desired ACC Speed

When the vehicle reaches the speed desired, push the SET (+) button or the SET (-) button and release. The instrument cluster display will show the set speed.

NOTE:

Fixed Speed Cruise Control can be used without ACC enabled. To change between the different modes, push the ACC on/off button which turns the ACC and the Fixed Speed Cruise Control off. Pushing the Fixed Speed Cruise Control on/off button will result in turning on (changing to) Fixed Speed Cruise Control mode.

WARNING!

In Fixed Speed Cruise Control mode, the system will not react to vehicles ahead. In addition, the proximity warning does not activate and no alarm will sound even if you are too close to the vehicle ahead since neither the presence of the vehicle ahead nor the vehicle-to-vehicle distance is detected. Be sure to maintain a safe distance between your vehicle and the vehicle ahead. Always be aware which mode is selected.

If ACC is set when the vehicle speed is **below** 19 mph (30 km/h), the set speed will default to 19 mph (30 km/h).

NOTE:

Fixed Speed Cruise Control cannot be set below 19 mph (30 km/h).

If either system is set when the vehicle speed is **above** 19 mph (30 km/h), the set speed shall be the current speed of the vehicle.

NOTE:

- Keeping your foot on the accelerator pedal can cause the vehicle to continue to accelerate beyond the set speed. If this occurs, the message "ACC Driver Override" will display in the instrument cluster display.
- If you continue to accelerate beyond the set speed while ACC is enabled, the system will not control the distance between your vehicle and the vehicle ahead. The vehicle speed will only be determined by the position of the accelerator pedal.

To Cancel

The following conditions cancel the ACC or Fixed Speed Cruise Control systems:

- The brake pedal is applied
- The CANC (cancel) button is pushed
- The Anti-Lock Brake System (ABS) activates
- The trailer brake is applied manually (if equipped)
- The gear selector is removed from the DRIVE position
- The Electronic Stability Control/Traction Control System (ESC/TCS) activates
- The vehicle parking brake is applied
- The Trailer Sway Control (TSC) activates
- The driver switches ESC to Full Off mode

- The braking temperature exceeds normal range (overheated)

The following conditions will only cancel the ACC system:

- Driver seat belt is unbuckled at low speeds
- Driver door is opened at low speeds

To Turn Off

The system will turn off and clear the set speed in memory if:

- The Adaptive Cruise Control (ACC) on/off button is pushed
- The Fixed Speed Cruise Control on/off button is pushed
- The ignition is placed in the OFF position
- 4WD Low is engaged

To Resume

If there is a set speed in memory, push the RES (resume) button and then remove your foot from the accelerator pedal. The instrument cluster display will show the last set speed.

Resume can be used at any speed above 19 mph (30 km/h) when only Fixed Speed Cruise Control is being used.

Resume can be used at any speed above 0 mph (0 km/h) when ACC is active.

NOTE:

- If your vehicle is at a standstill for longer than two seconds, then the driver will either have to push the RES (resume) button, or apply the accelerator pedal to reengage the Adaptive Cruise Control (ACC) to the existing set speed.

- ACC cannot be resumed if there is a stationary vehicle in front of your vehicle in close proximity.

WARNING!

The Resume function should only be used if traffic and road conditions permit. Resuming a set speed that is too high or too low for prevailing traffic and road conditions could cause the vehicle to accelerate or decelerate too sharply for safe operation. Failure to follow these warnings can result in a collision and death or serious personal injury.

To Vary The Speed Setting

To Increase Or Decrease The Set Speed

After setting a speed, you can increase the set speed by pushing the SET (+) button, or decrease speed by pushing the SET (-) button.

U.S. Speed (mph)

- Pushing the SET (+), or SET (-) button once will result in a 1 mph speed adjustment. Each subsequent tap of the button results in an adjustment of 1 mph.
- If the button is held down, the set speed will continue to adjust in 5 mph increments until the button is released. The new set speed is reflected in the instrument cluster display.

Metric Speed (km/h)

- Pushing the SET (+), or SET (-) button once will result in a 1 km/h speed adjustment. Each subsequent tap of the button results in an adjustment of 1 km/h.

- If the button is held down, the set speed will continue to adjust in 10 km/h increments until the button is released. The new set speed is reflected in the instrument cluster display.

NOTE:

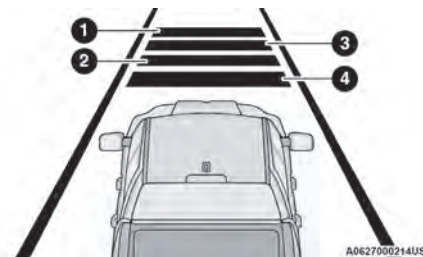
When you override and push the SET (+) button or SET (-) buttons, the new set speed will be the current speed of the vehicle.

When ACC Is Active

- When you use the SET (-) button to decelerate, if the engine's braking power does not slow the vehicle sufficiently to reach the set speed, the brake system will automatically slow the vehicle.
- The ACC system decelerates the vehicle to a full stop when following the vehicle in front. If your vehicle follows the vehicle in front to a standstill, after two seconds the driver will either have to push the RES (resume) button, or apply the accelerator pedal to reengage the ACC to the existing set speed.
- The ACC system maintains set speed when driving uphill and downhill. However, a slight speed change on moderate hills is normal. In addition, downshifting may occur while climbing uphill or descending downhill. This is normal operation and necessary to maintain set speed. When driving uphill and downhill, the ACC system will cancel if the braking temperature exceeds normal range (overheated).

Setting The Following Distance In ACC

The specified following distance for Adaptive Cruise Control (ACC) can be set by varying the distance setting between four bars (longest), three bars (long), two bars (medium) and one bar (short). Using this distance setting and the vehicle speed, ACC calculates and sets the distance to the vehicle ahead. This distance setting displays in the instrument cluster display.



Distance Settings

- 1 — Longest Distance Setting (Four Bars)
- 2 — Medium Distance Setting (Two Bars)
- 3 — Long Distance Setting (Three Bars)
- 4 — Short Distance Setting (One Bar)

To increase the distance setting, push the Distance Increase button and release. Each time the button is pushed, the distance setting increases by one bar (longer).

To decrease the distance setting, push the Distance Decrease button and release. Each time the button is pushed, the distance setting decreases by one bar (shorter).

If there is no vehicle ahead, the vehicle will maintain the set speed. If a slower moving vehicle is detected in the same lane, the instrument cluster displays the ACC Set With Target Detected Indicator Light, and the system adjusts vehicle speed automatically to maintain the distance setting, regardless of the set speed.

The vehicle will then maintain the set distance until:

- The vehicle ahead accelerates to a speed above the set speed.
- The vehicle ahead moves out of your lane or view of the sensor.
- The distance setting is changed.
- The system disengages.

The maximum braking applied by ACC is limited; however, the driver can always apply the brakes manually, if necessary.

NOTE:

The brake lights will illuminate whenever the ACC system applies the brakes.

A Proximity Warning will alert the driver if ACC predicts that its maximum braking level is not sufficient to maintain the set distance. If this occurs, a visual alert "BRAKE!" will flash in the instrument cluster display and a chime will sound while ACC continues to apply its maximum braking capacity.

NOTE:

The "BRAKE!" screen in the instrument cluster display is a warning for the driver to take action and does not mean that the Forward Collision Warning system is applying the brakes autonomously.

Overtake Aid

When driving with Adaptive Cruise Control (ACC) engaged, and following a vehicle, the system will provide an additional acceleration up to the ACC set speed to assist with passing the vehicle. In locations with left hand drive traffic, an additional acceleration is triggered when the driver utilizes the left turn signal and will only be active when passing on the left hand side. In locations with right hand drive traffic, an additional acceleration is triggered when the driver utilizes the right turn signal and will only be active when passing on the right hand side.

NOTE:

When the vehicle transitions from a location with left hand drive traffic to a location with right hand drive traffic or vice versa, the ACC system will automatically detect the direction of traffic.

ACC Operation At Stop

In the event that the ACC system brings your vehicle to a standstill while following the vehicle in front, if the vehicle in front starts moving within two seconds of your vehicle coming to a standstill, your vehicle will resume motion without the need for any driver action. If the vehicle in front does not start moving within two seconds of your vehicle coming to a standstill, the driver will either have to push the RES (resume) button, or apply the accelerator pedal to reengage the ACC to the existing set speed.

NOTE:

After the ACC system holds your vehicle at a standstill for approximately three consecutive minutes, the parking brake will be activated, and the ACC system will be canceled.

While ACC is holding your vehicle at a standstill, if the driver seat belt is unbuckled or the driver door is opened, the parking brake will be activated, and the ACC system will be canceled.

WARNING!

When the ACC system is resumed, the driver must ensure that there are no pedestrians, vehicles or objects in the path of the vehicle. Failure to follow these warnings can result in a collision and death or serious personal injury.

Display Warnings And Maintenance

"WIPE FRONT RADAR SENSOR IN FRONT OF VEHICLE" WARNING

The "ACC/FCW Unavailable Wipe Front Radar Sensor" warning will display and a chime will sound when conditions temporarily limit system performance.

This most often occurs at times of poor visibility, such as in snow or heavy rain. The ACC system may also become temporarily blinded due to obstructions, such as mud, dirt or ice. In these cases, the instrument cluster display will display "ACC/FCW Unavailable Wipe Front Radar Sensor" and the system will deactivate.

The "ACC/FCW Unavailable Wipe Front Radar Sensor" message can sometimes be displayed while driving in highly reflective areas (i.e. ice and snow, or tunnels with reflective tiles). The ACC system will recover after the vehicle has left these areas. Under rare conditions, when the radar is not tracking any vehicles or objects in its path this warning may temporarily occur.

NOTE:

If the “ACC/FCW Unavailable Wipe Front Radar Sensor” warning is active, Fixed Speed Cruise Control is still available.

If weather conditions are not a factor, the driver should examine the sensor. It may require cleaning or removal of an obstruction. The sensor is located in the camera in the center of the windshield, on the forward side of the rearview mirror.

To keep the ACC system operating properly, it is important to note the following maintenance items:

- Always keep the sensor clean. Carefully clear the windshield.
- Do not remove any screws from the sensor. Doing so could cause an ACC system malfunction or failure and require a sensor realignment.
- Do not attach or install any accessories near the sensor, including transparent material. Doing so could cause an ACC system failure or malfunction.

When the condition that deactivated the system is no longer present, the system will return to the “Adaptive Cruise Control Off” state and will resume function by simply reactivating it.

NOTE:

- If the “ACC/FCW Unavailable Wipe Front Radar Sensor” message occurs frequently (e.g. more than once on every trip) without any snow, rain, mud, or other obstructions, have the radar sensor realigned at an authorized dealer.
- Installing a snowplow, front-end protector, an after-market grille or modifying the grille is not recommended. Doing so may block the sensor and inhibit ACC/FCW operation.

“CLEAN FRONT WINDSHIELD” WARNING

The “ACC/FCW Limited Functionality Clean Front Windshield” warning will display and a chime will sound when conditions temporarily limit system performance. This most often occurs at times of poor visibility, such as in snow or heavy rain and fog. The ACC system may also become temporarily blinded due to obstructions, such as mud, dirt, or ice on windshield, driving directly into the sun and fog on the inside of glass. In these cases, the instrument cluster display will show “ACC/FCW Limited Functionality Clean Front Windshield” and the system will have degraded performance.

This message can sometimes be displayed while driving in adverse weather conditions. The ACC/FCW system will recover after the vehicle has left these areas. Under rare conditions, when the camera is not tracking any vehicles or objects in its path this warning may temporarily occur.

If weather conditions are not a factor, the driver should examine the windshield and the camera located on the back side of the inside rearview mirror. They may require cleaning or removal of an obstruction.

When the condition that created limited functionality is no longer present, the system will return to full functionality.

NOTE:

If the “ACC/FCW Limited Functionality Clean Front Windshield” message occurs frequently (e.g. more than once on every trip) without any snow, rain, mud, or other obstructions, have the windshield and forward facing camera inspected at an authorized dealer.

SERVICE ACC/FCW WARNING

If the system turns off, and the instrument cluster displays “ACC/FCW Unavailable Service Required” or “Cruise/FCW Unavailable Service Required”, there may be an internal system fault or a temporary malfunction that limits ACC functionality. Although the vehicle is still drivable under normal conditions, ACC will be temporarily unavailable. If this occurs, try activating ACC again later, following an ignition cycle. If the problem persists, see an authorized dealer.

Precautions While Driving With ACC**NOTE:**

- Aftermarket add-ons such as snowplows, lift kits, and brush/grille bars can hinder module performance. Ensure the radar/camera has no obstructions in the field of view.
- Height modifications can limit module performance and functionality.
- Do not put stickers or easy passes over the camera/radar field of view.
- Any modifications to the vehicle that may obstruct the field of view of the radar/camera are not recommended.

In certain driving situations, ACC may have detection issues. In these cases, ACC may brake late or unexpectedly. The driver needs to stay alert and may need to intervene.

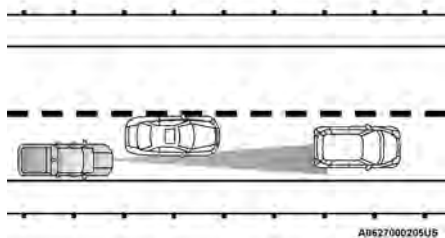
The following are examples of these types of situations:

TOWING A TRAILER

ACC while towing a trailer is recommended only with an Integrated Trailer Brake Controller. Aftermarket trailer brake controllers will not activate the trailer brakes when ACC is braking.

OFFSET DRIVING

ACC may not detect a vehicle in the same lane that is offset from your direct line of travel, or a vehicle merging in from a side lane. There may not be sufficient distance to the vehicle ahead. The offset vehicle may move in and out of the line of travel, which can cause your vehicle to brake or accelerate unexpectedly.



Offset Driving Condition Example

URNS AND BENDS

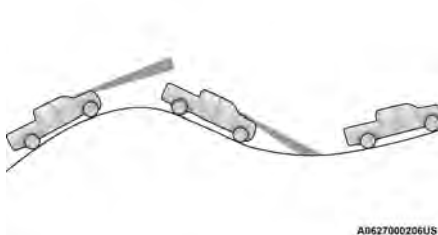
When driving on a curve with ACC engaged, the system may increase or decrease the vehicle speed for stability, with no vehicle ahead detected. Once the vehicle is out of the curve, the system will resume your original set speed. This is a part of normal ACC system functionality.

NOTE:

On tight turns ACC performance may be limited.

USING ACC ON HILLS

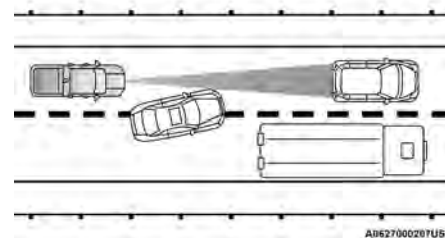
ACC performance may be limited when driving on hills. ACC may not detect a vehicle in your lane depending on the speed, vehicle load, traffic conditions, and the steepness of the hill.



ACC Hill Example

LANE CHANGING

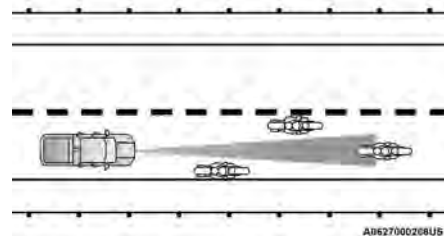
ACC may not detect a vehicle until it is completely in the lane in which you are traveling. In the following lane changing example, ACC has not yet detected the vehicle changing lanes and it may not detect the vehicle until it's too late for the ACC system to take action. ACC may not detect a vehicle until it is completely in the lane. There may not be sufficient distance to the lane-changing vehicle. Always be attentive and ready to apply the brakes if necessary.



Lane Changing Example

NARROW VEHICLES

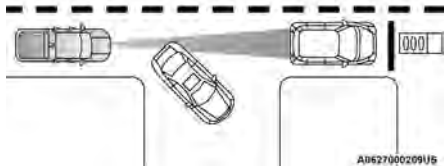
Some narrow vehicles traveling near the outer edges of the lane or edging into the lane are not detected until they have moved fully into the lane. There may not be sufficient distance to the vehicle ahead.



Narrow Vehicle Example

STATIONARY OBJECTS AND VEHICLES

ACC does not react to stationary objects or vehicles. For example, ACC will not react in situations where the vehicle you are following exits your lane and the vehicle ahead is stopped in your lane. It will consider this stopped vehicle a stationary object as it did not previously detect movement from it. Always be attentive and ready to apply the brakes if necessary.



Stationary Object And Stationary Vehicle Example

PARKSENSE FRONT/REAR PARK ASSIST SYSTEM — IF EQUIPPED

The ParkSense Park Assist system provides visual and audible indications of the distance between the rear and/or front fascia/bumper and a detected obstacle when backing up or moving forward (e.g. during a parking maneuver). If your vehicle is equipped with the automatic braking function, the vehicle brakes may be automatically applied and released when the vehicle is in REVERSE if the system detects a possible collision with an obstacle.

NOTE:

- The driver can disable the automatic braking function by turning ParkSense off via the ParkSense switch. The driver can also override automatic braking by changing the gear or by pressing the gas pedal over 90% of its capacity during the braking event.
- Automatic brakes will not be available if the vehicle is in 4WD Low.
- Automatic brakes will not be available if there is a fault in the brake module.
- Automatic brakes will not be available if there is a faulted condition detected with the ParkSense Park Assist system or the Braking System.
- The automatic braking function may only be applied if the vehicle deceleration is not enough to avoid colliding with a detected obstacle.
- The automatic braking function may not be applied fast enough for obstacles that move toward the rear of the vehicle from the left and/or right sides.
- The automatic braking function can be enabled/disabled from the Customer Programmable Features section of the Uconnect system.
- ParkSense will retain its last known configuration state for the automatic braking function through ignition cycles.
- Trailer hitch ball assembly may cause false braking events if left attached after towing.

The automatic braking function is intended to assist the driver in avoiding possible collisions with detected obstacles when backing up in REVERSE gear.

NOTE:

- The system is designed to assist the driver and not to substitute the driver.
- The driver must stay in full control of the vehicle's acceleration and braking and is responsible for the vehicle's movements.

For limitations of this system and usage precautions, see [page 154](#).

ParkSense will retain the last system state (enabled or disabled) from the last ignition cycle when the ignition is placed in the ON/RUN position.

ParkSense can be active only when the gear selector is in REVERSE or DRIVE. If ParkSense is enabled while in one of these gears, the system will remain active until the vehicle speed is increased to approximately 7 mph (11 km/h) or above. A warning will appear in the instrument cluster display indicating the vehicle speed is above ParkSense operating speed while in REVERSE. The system will become active again if the vehicle speed is decreased to less than approximately 6 mph (9 km/h).

PARKSENSE SENSORS

The four ParkSense sensors (six if equipped with Active ParkSense), located in the front fascia/bumper, monitor the area in front of the vehicle that is within the sensors' field of view, and the four ParkSense sensors, located in the rear fascia/bumper, monitor the area behind the vehicle that is within the sensors' field of view. The front sensors can detect obstacles from approximately 12 inches (30 cm) up to 47 inches (120 cm) from the front fascia/bumper. The rear sensors can detect obstacles from approximately 12 inches

(30 cm) up to 79 inches (200 cm). These distances depend on the location, type and orientation of the obstacle in the horizontal direction.

PARKSENSE WARNING DISPLAY

The ParkSense Warning screen is located within the instrument cluster display ➞ page 91. It provides visual warnings to indicate the distance between the rear fascia/bumper and/or front fascia/bumper and the detected obstacle.

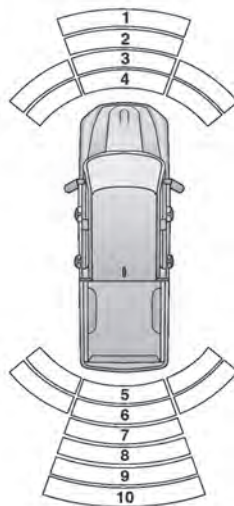
PARKSENSE DISPLAY

The warning display will turn on indicating the system status when the vehicle is in REVERSE or when the vehicle is in DRIVE and an obstacle has been detected.

The system will indicate a detected obstacle by showing a single arc in the left, right, or center regions based on the obstacle's distance and location relative to the vehicle.

If an obstacle is detected in the center front region, the display will show a single solid arc in the center front region with no chime. As the vehicle moves closer to the obstacle, the display will show the single arc moving closer to the vehicle and a fast chime will be heard and will change from fast to continuous.

If an obstacle is detected in the left and/or right front region, the display will show a single flashing arc in the left and/or right front region and will produce a fast chime. As the vehicle moves closer to the obstacle, the display will show the single arc moving closer to the vehicle and the tone will change from fast to continuous.



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Front/Rear ParkSense Arcs

- 1 — No Tone/Solid Arc
- 2 — No Tone/Flashing Arc
- 3 — Fast Tone/Flashing Arc
- 4 — Continuous Tone/Solid Arc
- 5 — Continuous Tone/Solid Arc

- 6 — Fast Tone/Flashing Arc
- 7 — Fast Tone/Flashing Arc
- 8 — Slow Tone/Solid Arc
- 9 — Slow Tone/Solid Arc
- 10 — Single 1/2 Second Tone/Solid Arc

The vehicle is close to the obstacle when the display shows one flashing arc and sounds a continuous tone. The following chart shows the warning alert operation when the system is detecting an obstacle:

WARNING ALERTS FOR REAR							
Rear Distance (inches/cm)	Greater than 79 inches (200 cm)	79-59 inches (200-150 cm)	59-47 inches (150-120 cm)	47-39 inches (120-100 cm)	39-25 inches (100-65 cm)	25-12 inches (65-30 cm)	Less than 12 inches (30cm)
Audible Alert (Chime)	None	Single 1/2 Second Tone	Slow	Slow	Fast	Fast	Continuous
Arcs-Left	None	None	None	None	None	6th Flashing	5th Solid
Arcs-Center	None	10th Solid	9th Solid	8th Solid	7th Flashing	6th Flashing	5th Solid
Arcs-Right	None	None	None	None	None	6th Flashing	5th Solid
Radio Volume Reduced	No	Yes	Yes	Yes	Yes	Yes	Yes

WARNING ALERTS FOR FRONT					
Front Distance (inches/cm)	Greater than 47 inches (120 cm)	47-39 inches (120-100 cm)	39-25 inches (100-65 cm)	25-12 inches (65-30 cm)	Less than 12 inches (30 cm)
Audible Alert (Chime)	None	None	None	Fast	Continuous
Arcs-Left	None	None	None	3rd Flashing	4th Solid
Arcs-Center	None	1st Solid	2nd Flashing	3rd Flashing	4th Solid
Arcs-Right	None	None	None	3rd Flashing	4th Solid
Radio Volume Reduced	No	No	No	Yes	Yes

NOTE:

ParkSense will reduce the volume of the radio, if on, when the system is sounding an audio tone.

ParkSense Camera Activation — If Equipped

If the ParkSense system detects an obstacle, a camera image will display in the radio. The camera will continue to display as long as the ParkSense system continues to detect an object. This can be turned on or off in the Uconnect system ➡ page 189.

Front Park Assist Audible Alerts

ParkSense will turn off the Front Park Assist audible alert (chime) after approximately three seconds when an obstacle has been detected, the vehicle is stationary, and brake pedal is applied.

Adjustable Chime Volume Settings

The Front and Rear chime volume settings are programmable through the Uconnect system ➡ page 189.

ENABLING AND DISABLING FRONT AND/OR REAR PARKSENSE



Front ParkSense can be enabled and disabled with the Front ParkSense switch.

Rear ParkSense can be enabled and disabled with the Rear ParkSense switch.

When the Front or Rear ParkSense switch is pushed to disable the system, the instrument cluster display ➡ page 91 will show a vehicle graphic of the Front or Rear ParkSense on/off state for two seconds.

When the gear selector is moved to REVERSE and the Front or Rear system is disabled, the instrument cluster display will show a vehicle graphic with "OFF" on the corresponding side. This vehicle graphic will be displayed for as long as the vehicle is in REVERSE.

NOTE:

Arc alerts from the enabled ParkSense system, will interrupt the five second messages, and the instrument cluster display will show the vehicle graphic with the corresponding arcs and "OFF" message.

The Front or Rear ParkSense switch LED will be on when Front or Rear ParkSense is disabled or requires service. The Front or Rear ParkSense switch LED will be off when the Front or Rear system is enabled. If the Front or Rear ParkSense switch is pushed, and the system requires service, the Front or Rear ParkSense switch LED will blink momentarily, and then the LED will be on.

SERVICE THE PARKSENSE PARK ASSIST SYSTEM

During vehicle start up, when the ParkSense System has detected a faulted condition, the instrument cluster will actuate a single chime, once per ignition cycle, and it will display the "Parksense Unavailable Wipe Rear Sensors", "Parksense Unavailable Wipe Front Sensors", or the "Parksense Unavailable Service Required" message for five seconds. When the gear selector is moved to REVERSE and the system has detected a faulted condition, the instrument cluster display will display a "Wipe Off" message on the corresponding blocked system while the vehicle is in REVERSE. The system will continue to provide arc alerts for the side that is functioning properly.

If "Parksense Unavailable Wipe Rear Sensors" or "Parksense Unavailable Wipe Front Sensors" appears in the instrument cluster display make sure the outer surface and the underside of the rear fascia/bumper

and/or front fascia/bumper is clean and clear of snow, ice, mud, dirt or other obstructions and then cycle the ignition. If the message continues to appear see an authorized dealer.

NOTE:

Water from a car wash or road slush in freezing weather may also cause sensors to become blocked.

If the "Parksense Unavailable Service Required" message appears in the instrument cluster display, see your authorized dealer.

CLEANING THE PARKSENSE SYSTEM

Clean the ParkSense sensors with water, car wash soap and a soft cloth. Do not use rough or hard cloths. Do not scratch or poke the sensors.

PARKSENSE SYSTEM USAGE PRECAUTIONS

NOTE:

- Ensure that the front and rear fascias/bumpers are free of snow, ice, mud, dirt and debris to keep the ParkSense system operating properly.
- Jackhammers, large trucks, and other vibrations could affect the performance of ParkSense.
- When you turn Front or Rear ParkSense off, the instrument cluster display will show a vehicle graphic of the Front or Rear ParkSense on/off state for two seconds. Furthermore, once you turn Front or Rear ParkSense off, it remains off until you turn it on again, even if you cycle the ignition.

- When you move the gear selector to the REVERSE position and Front or Rear ParkSense is turned off, the instrument cluster display will show a vehicle graphic with "OFF" in the corresponding side. This vehicle graphic will be displayed for as long as the vehicle is in REVERSE.
- ParkSense, when on, will reduce the volume of the radio when it is sounding a tone.
- Clean the ParkSense sensors regularly, taking care not to scratch or damage them. The sensors must not be covered with ice, snow, slush, mud, dirt or debris. Failure to do so can result in the system not working properly. The ParkSense system might not detect an obstacle behind or in front of the fascia/bumper, or it could provide a false indication that an obstacle is behind or in front of the fascia/bumper.
- Use the ParkSense switch to turn the ParkSense system off if obstacles such as bicycle carriers, trailer hitches, etc. are placed near the rear fascia/bumper. Failure to do so can result in the system misinterpreting a close obstacle as a sensor problem, causing the "Parksense Unavailable Service Required" message to be appear in the instrument cluster display.
- ParkSense should be disabled when the tailgate is in the lowered or open position. A lowered tailgate could provide a false indication that an obstacle is behind the vehicle and could also cause a false braking event.
- The Rear ParkSense system will automatically disable when the system detects that a trailer with trailer brakes has been connected to the Integrated Trailer Brake Module.

- The Front ParkSense system will automatically disable if a snowplow has been connected to the vehicle.

WARNING!

- Drivers must be careful when backing up even when using ParkSense. Always check carefully behind your vehicle, look behind you, and be sure to check for pedestrians, animals, other vehicles, obstructions, and blind spots before backing up. You are responsible for safety and must continue to pay attention to your surroundings. Failure to do so can result in serious injury or death.
- Before using ParkSense, it is strongly recommended that the ball mount and hitch ball assembly be disconnected from the vehicle when the vehicle is not used for towing. Failure to do so can result in injury or damage to vehicles or obstacles because the hitch ball will be much closer to the obstacle than the rear fascia/bumper when the vehicle sounds the continuous tone. Also, the sensors could detect the ball mount and hitch ball assembly, depending on its size and shape, and give a false indication that an obstacle is behind the vehicle, and could cause false braking.

CAUTION!

- ParkSense is only a parking aid and it is unable to recognize every obstacle, including small obstacles. Parking curbs might be temporarily detected or not detected at all. Obstacles located above or below the sensors will not be detected when they are in close proximity.

CAUTION!

- The vehicle must be driven slowly when using ParkSense in order to be able to stop in time when an obstacle is detected. It is recommended that the driver looks over his/her shoulder when using ParkSense.

PARKSENSE ACTIVE PARK ASSIST SYSTEM — IF EQUIPPED

The ParkSense Active Park Assist system is intended to assist the driver during parallel and perpendicular parking maneuvers by identifying a proper parking space, providing audible/visual instructions through the instrument cluster display, and controlling the steering wheel. The ParkSense Active Park Assist system is defined as "semi-automatic" since the driver maintains control of the accelerator, gear selector and brakes. Depending on the driver's parking maneuver selection, the ParkSense Active Park Assist system is capable of maneuvering a vehicle into a parallel or a perpendicular parking space on either side (i.e., driver side or passenger side).

NOTE:

- The driver is always responsible for controlling the vehicle, responsible for any surrounding objects, and must intervene as required.
- The system is provided to assist the driver and not to substitute the driver.

(Continued)

- During a semi-automatic maneuver, if the driver touches the steering wheel after being instructed to remove their hands from the steering wheel, the system will cancel, and the driver will be required to manually complete the parking maneuver.
- The system may not work in all conditions (e.g. environmental conditions such as heavy rain, snow, etc., or if searching for a parking space that has surfaces that will absorb the ultrasonic sensor waves).
- New vehicles from the dealership must have at least 30 miles (48 km) accumulated before the ParkSense Active Park Assist system is fully calibrated and performs accurately. This is due to the system's dynamic vehicle calibration to improve the performance of the feature.
- The driver must control the vehicle's brakes. The automatic emergency braking feature is NOT intended to substitute for the driver during REVERSE maneuvers.

ENABLING AND DISABLING THE PARKSENSE ACTIVE PARK ASSIST SYSTEM



The ParkSense Active Park Assist system can be enabled and disabled with the ParkSense Active Park Assist switch, located on the switch panel below the Uconnect display.

NOTE:

If your vehicle is equipped with a 12-inch Uconnect display, the ParkSense Active Park Assist switch is located above the display.

To enable or disable the ParkSense Active Park Assist system, push the ParkSense Active Park Assist switch once (LED turns on). Pushing the switch a second time will disable the system (LED turns off).

The ParkSense Active Park Assist system will turn off automatically for any of the following conditions:

- Parking maneuver is completed.
- Vehicle speed is greater than 18 mph (30 km/h) when searching for a parking space.
- Vehicle speed is greater than 5 mph (7 km/h) during active steering guidance into the parking space.
- Steering wheel is touched during active steering guidance into the parking space.
- ParkSense Front/Rear Park Assist switch is pushed.
- Driver's door is opened.
- Tailgate is opened.
- Electronic Stability Control/Anti-Lock Braking System intervention.
- Vehicle is in 4WD Low.
- Axle Locker is active.
- Trailer is connected.
- Trailer Reverse Steering Control (TRSC) is active.
- Snowplow is connected.

NOTE:

The ParkSense Active Park Assist system will allow a maximum of eight shifts between DRIVE and REVERSE. If the maneuver cannot be completed within eight shifts, the system will cancel and the instrument cluster display will instruct the driver to complete the maneuver manually.

The ParkSense Active Park Assist system will only operate and search for a parking space when the following conditions are present:

- Gear selector is in DRIVE.
- The ignition is in the ON/RUN position.
- The ParkSense Active Park Assist switch is activated.
- Driver's door is closed.
- Tailgate is closed.
- Vehicle speed is less than 15 mph (25 km/h).
- The outer surface and the underside of the front and rear fascias/bumpers are clean and clear of snow, ice, mud, dirt or other obstructions.

NOTE:

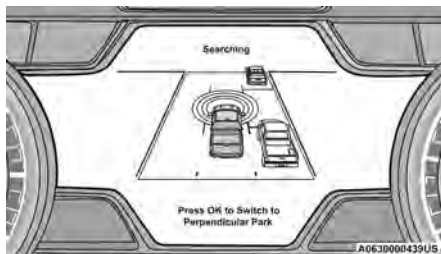
If the vehicle is driven above approximately 15 mph (25 km/h), the instrument cluster display will instruct the driver to slow down. If the vehicle is driven above approximately 18 mph (30 km/h), the system will cancel. The driver must then reactivate the system by pushing the ParkSense Active Park Assist switch.

When pushed, the LED on the ParkSense Active Park Assist switch will blink momentarily, and then the LED will turn off if any of the previously listed conditions are not present.

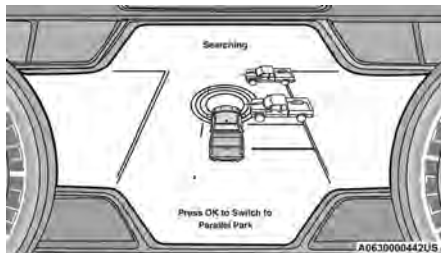
PARALLEL/PERPENDICULAR PARKING SPACE ASSISTANCE OPERATION

When the ParkSense Active Park Assist system is enabled, the messages "Active ParkSense Searching - Press OK To Switch To Perpendicular Park" or "Active ParkSense Searching - Press OK to Switch to Parallel Park" will appear in the instrument cluster display. Push

the OK button on the left side of the steering wheel to change your parking space setting. You can switch between perpendicular and parallel parking maneuvers.



Press OK to Switch to Perpendicular Park

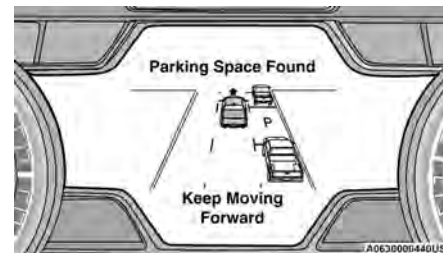


Press OK to Switch to Parallel Park

NOTE:

- When searching for a parking space, use the turn signal indicator to select which side of the vehicle you want to perform the parking maneuver. The ParkSense Active Park Assist system will automatically search for a parking space on the passenger's side of the vehicle if the turn signal is not activated.
- The driver needs to make sure that the selected parking space for the maneuver remains free and clear of any obstructions (e.g. pedestrians, bicycles, etc.).
- The driver is responsible to ensure that the selected parking space is suitable for the maneuver and free/clear of anything that may be overhanging or protruding into the parking space (e.g., ladders, tailgates, etc. from surrounding objects/vehicles).
- When searching for a parking space, the driver should drive as parallel or perpendicular (depending on the type of maneuver) to other vehicles as possible.
- The feature will only indicate the last detected parking space (example: if passing multiple available parking spaces, the system will only indicate the last detected parking space for the maneuver). A parking space is considered invalid after the vehicle is 32 ft (10 m) or more away from it.

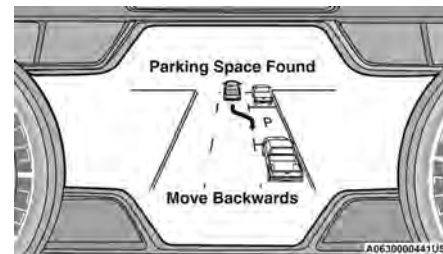
When an available parking space has been found, and the vehicle is not in position, you will be instructed to move forward to position the vehicle for a perpendicular or parallel parking sequence (depending on the type of maneuver being performed).



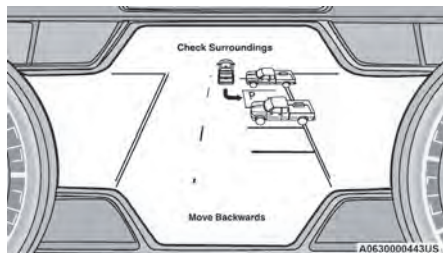
Space Found – Keep Moving Forward

Once the vehicle is in position, you will be instructed to stop the vehicle's movement and remove your hands from the steering wheel. When the vehicle comes to a standstill (your hands still removed from the steering wheel), you will be instructed to place the gear selector into the REVERSE position.

The system may then instruct the driver to wait for steering to complete before then instructing to check surroundings and move backward.



Move Backward Into Parallel Parking Space



Move Backward Into Perpendicular Parking Space

The system may instruct several more gear shifts (DRIVE and REVERSE), with hands off of the steering wheel, before instructing the driver to check surroundings and complete the parking maneuver.

When the vehicle is in the parking position, the maneuver is complete and the driver will be instructed to check the vehicle's parking position, then shift the vehicle into PARK. The message "Active ParkSense Complete - Check Parking Position" will be displayed momentarily.

NOTE:

- It is the driver's responsibility to use the brake and accelerator during the semi-automatic parking maneuver.
- It is the driver's responsibility to use the brake and stop the vehicle. The driver should check their surroundings and be prepared to stop the vehicle either when instructed to, or when driver intervention is required.

- When the system instructs the driver to remove their hands from the steering wheel, the driver should check their surroundings and begin to back up slowly.
- The ParkSense Active Park Assist system will allow a maximum of eight shifts between DRIVE and REVERSE. If the maneuver cannot be completed within eight shifts, the system will cancel and the instrument cluster display will instruct the driver to complete the maneuver manually.
- The system will cancel the maneuver if the vehicle speed exceeds 5 mph (7 km/h) during active steering guidance into the parking space. The system will provide a warning to the driver at 3 mph (5 km/h) that tells them to slow down. The driver is then responsible for completing the maneuver if the system is canceled.
- If the system is canceled during the maneuver for any reason, the driver must take control of the vehicle.

WARNING!

Drivers must be careful when performing parallel or perpendicular parking maneuvers even when using the ParkSense Active Park Assist system. Always check carefully behind and in front of your vehicle, look behind and in front of you, and be sure to check for pedestrians, animals, other vehicles, obstructions, and blind spots before backing up and moving forward. You are responsible for safety and must continue to pay attention to your surroundings. Failure to do so can result in serious injury or death.

CAUTION!

- The ParkSense Active Park Assist system is only a parking aid and it is unable to recognize every obstacle, including small obstacles. Parking curbs might be temporarily detected or not detected at all. Obstacles located above or below the sensors' field of view will not be detected when they are in close proximity.
- The vehicle must be driven slowly when using the ParkSense Active Park Assist system in order to be able to stop in time when an obstacle is detected. It is recommended that the driver looks over his/her shoulders when using the ParkSense Active Park Assist system.

LANESENSE — IF EQUIPPED

LANESENSE OPERATION

The LaneSense system is operational at speeds above 37 mph (60 km/h) and below 112 mph (180 km/h). The LaneSense system uses a forward looking camera to detect lane markings and measure vehicle position within the lane boundaries.

When both lane markings are detected and the driver drifts out of the lane (no turn signal applied), the LaneSense system provides a haptic warning in the form of torque applied to the steering wheel, as well as a visual warning in the instrument cluster display, to prompt the driver to remain within the lane boundaries.

The driver may manually override the haptic warning by applying force to the steering wheel at any time.

When only a single lane marking is detected and the driver drifts across the lane marking (no turn signal applied), the LaneSense system provides a visual warning through the instrument cluster display to prompt the driver to remain within the lane.

When only a single lane marking is detected, a haptic or a torque warning will not be provided.

NOTE:

- When operating conditions have been met, the LaneSense system will monitor if the driver's hands are on the steering wheel and provide an audible and visual warning to the driver if removed. The system will cancel if the driver does not return their hands to the wheel.
- LaneSense will disable when a snowplow is connected to the vehicle.

TURNING LANESENSE ON OR OFF



The LaneSense button is located on the switch panel below the Uconnect display.

NOTE:

If your vehicle is equipped with a 12-inch Uconnect Display screen, the LaneSense button is located above the display.

To turn the LaneSense system on, push the LaneSense button (LED turns off). A "LaneSense On" message is shown in the instrument cluster display.

To turn the LaneSense system off, push the LaneSense button again (LED turns on).

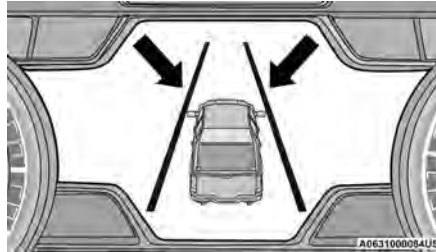
NOTE:

The LaneSense system will retain the last system state on or off from the last ignition cycle when the ignition is placed in the ON/RUN position.

LANESENSE WARNING MESSAGE

The LaneSense system will indicate the current lane drift condition through the instrument cluster display.

When the LaneSense system is on, the lane lines are gray when both of the lane boundaries have not been detected and the LaneSense telltale is solid white.



System ON (Gray Lines) With White Telltale

Left Lane Departure — Only Left Lane Detected

- When the LaneSense system is on, the LaneSense Telltale is solid white when only the left lane marking has been detected and the system is ready to provide visual warnings in the instrument cluster display if an unintentional lane departure occurs on the left side.

- When the LaneSense system senses the lane has been approached and is in a lane departure situation, the visual warning in the instrument cluster display will show the left lane line flashing yellow (on/off). The LaneSense telltale changes from solid white to flashing yellow.



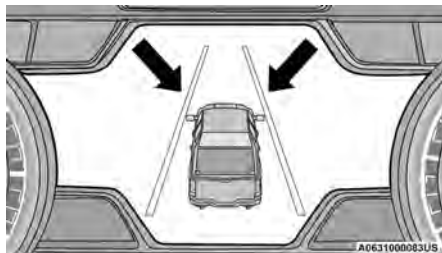
Lane Approached (Flashing Yellow Lane Line) With Yellow Telltale

NOTE:


The LaneSense system operates with similar behavior for a right lane departure when only the right lane marking has been detected.

Left Lane Departure — Both Lane Lines Detected

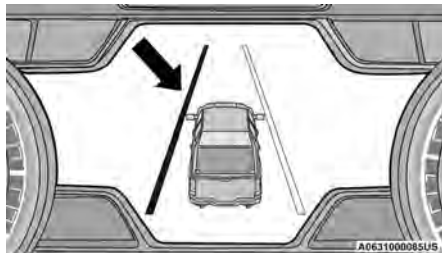
- When the LaneSense system is on and both the lane markings have been detected, the system is "armed" to provide visual warnings in the instrument cluster display and a torque warning in the steering wheel if an unintentional lane departure occurs. The lane lines turn from gray to white and the LaneSense telltale is solid green.




Lanes Sensed (White Lines) With Green Telltale

- When the LaneSense system senses a lane drift situation, the left lane line turns solid yellow. The LaneSense telltale  changes from solid green to solid yellow. At this time torque is applied to the steering wheel in the opposite direction of the lane boundary.

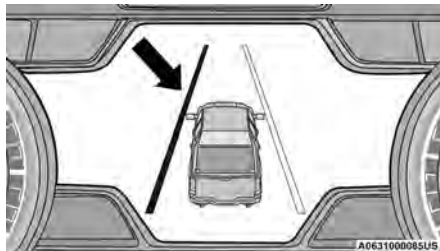
For example: If approaching the left side of the lane the steering wheel will turn to the right.



Lane Sensed (Solid Yellow Lane Line) With Solid Yellow Telltale

- When the LaneSense system senses the lane has been approached and is in a lane departure situation, the left lane line flashes yellow (on/off). The LaneSense telltale  changes from solid yellow to flashing yellow. At this time torque is applied to the steering wheel in the opposite direction of the lane boundary.

For example: If approaching the left side of the lane the steering wheel will turn to the right.




Lane Approached (Flashing Yellow Lane Line) With Flashing Yellow Telltale

NOTE:

The LaneSense system operates with similar behavior for a right lane departure.


CHANGING LANESENSE STATUS

The LaneSense system has settings to adjust the intensity of the torque warning and the warning zone sensitivity (Early/Medium/Late) that you can configure through the Uconnect system  page 189.

NOTE:

- When enabled the system operates above 37 mph (60 km/h) and below 112 mph (180 km/h).
- The warnings are disabled with use of the turn signal.
- The system will not apply torque to the steering wheel whenever a safety system engages (Anti-Lock Brakes, Traction Control System, Electronic Stability Control, Forward Collision Warning, etc.).

TURN SIGNAL ACTIVATED BLIND SPOT ASSIST — IF EQUIPPED

When enabled in the Uconnect system and a turn signal is activated, the corresponding side view mirror camera will display in the radio. The camera will continue to display as long as the turn signal is engaged. If “Only With Trailer” is selected (if equipped), the camera will only display when a trailer is connected to the vehicle  page 189.

WARNING!

Blind Spot Assist is only an aid to help detect objects in the blind spot zones and may not provide alerts when changing lanes under all driving conditions. Even if your vehicle is equipped with the BSA system, always check your vehicle's mirrors, glance over your shoulder, and use turn signals before changing lanes. Failure to do so can result in serious injury or death.

PARKVIEW REAR BACK UP CAMERA — IF EQUIPPED

The ParkView Rear Back Up Camera allows you to see an on-screen image of the rear surroundings of your vehicle whenever the gear selector is put into REVERSE. The image will be displayed on the Navigation/Multimedia radio display screen along with a caution note to "Check Entire Surroundings" across the top of the screen. After five seconds this note will disappear. The ParkView Camera is located in the center of the tailgate handle.

NOTE:

Removing the tailgate will disable the Rear View Camera function.

Manual Activation Of The Rear View Camera:

1. Press the Vehicle button located on the bottom of the Uconnect display and then select the Controls menu.
2. Press the Back Up Camera icon to turn the Rear View Camera system on.

NOTE:

- The Rear View camera can also be turned on manually through the Apps menu within the Uconnect system.
- The ParkView Rear Back Up Camera has programmable modes of operation that may be selected through the Uconnect system ➡ page 189.

When the vehicle is shifted out of REVERSE with camera delay turned off, the rear camera mode is exited and the previous screen appears. When the vehicle is shifted out of REVERSE with camera delay turned on, the camera image will continue to be displayed for up to 10 seconds after shifting out of REVERSE unless the following conditions occur: The vehicle speed exceeds 8 mph (13 km/h), the vehicle is shifted into PARK, the vehicle's ignition is placed in the OFF position, or the user presses the touchscreen X button to exit out of the camera video display.

Whenever the Rear View Camera image is activated through the Back Up Camera button in the Controls menu, and the vehicle speed is greater than, or equal to, 8 mph (13 km/h), a display timer for the image is initiated. The image will continue to be displayed until the display timer exceeds 10 seconds.

NOTE:

- If the vehicle speed remains below 8 mph (13 km/h), the Rear View Camera image will be displayed continuously until deactivated via the touchscreen X button, the transmission is shifted into PARK, or the ignition is placed in the OFF position.
- The touchscreen X button to disable the camera image is made available ONLY when the vehicle is not in REVERSE.

When enabled, active guidelines are overlaid on the image to illustrate the width of the vehicle and its projected back up path based on the steering wheel position. A dashed centerline overlay indicates the center of the vehicle to assist with parking or aligning to a hitch/receiver. Different colored zones indicate the distance to the rear of the vehicle. The following table shows the approximate distances for each zone:

Zones	Distance To The Rear Of The Vehicle
Red	0 - 1 ft (0 - 30 cm)
Yellow	1 ft - 6.5 ft (30 cm - 2 m)
Green	6.5 ft or greater (2 m or greater)

WARNING!

Drivers must be careful when backing up even when using the ParkView Rear Back Up Camera. Always check carefully behind your vehicle, and be sure to check for pedestrians, animals, other vehicles, obstructions, or blind spots before backing up. You are responsible for the safety of your surroundings and must continue to pay attention while backing up. Failure to do so can result in serious injury or death.

CAUTION!

- To avoid vehicle damage, ParkView should only be used as a parking aid. The ParkView camera is unable to view every obstacle or object in your drive path.

(Continued)

CAUTION!

- To avoid vehicle damage, the vehicle must be driven slowly when using ParkView to be able to stop in time when an obstacle is seen. It is recommended that the driver look frequently over his/her shoulder when using ParkView.

NOTE:

If snow, ice, mud, or any foreign substance builds up on the camera lens, clean the lens, rinse with water, and dry with a soft cloth. Do not cover the lens.

Zoom View

When the Rear View Camera image is being displayed, and the vehicle speed is below 8 mph (13 km/h) while in any gear, Zoom View is available. By pressing the “magnifying glass” icon in the upper left of the display screen, the image will zoom in to four times the standard view. Pressing the icon a second time will return the view to the standard Back Up Camera display.

When Zoom View is selected while the vehicle is in REVERSE, then shifted to DRIVE, the camera delay view will display the standard Back Up Camera view. If the vehicle is then returned to REVERSE gear from DRIVE, the Zoom View selection will automatically resume.

NOTE:


The Zoom View button and AUX button (if equipped) will not be available when the vehicle is shifted into REVERSE and the Trailer Reverse Steering Control (TRSC) feature (if equipped) is activated.

Shifting to NEUTRAL from any gear will maintain the selected view (Zoom or Standard) as long as the vehicle is below 8 mph (13 km/h).

If the vehicle is in PARK, Zoom View is available until the gear selector is placed in DRIVE or REVERSE and speeds are at or above 8 mph (13 km/h).

NOTE:

- If the vehicle is in DRIVE, NEUTRAL, or REVERSE, and speed is greater than or equal to 8 mph (13 km/h), Zoom View is unavailable and the icon will appear grey.
- While in Zoom View, the guidelines will not be visible.


For information on Auxiliary Cameras (if equipped), see  page 167.

SURROUND VIEW CAMERA SYSTEM — IF EQUIPPED

The Surround View Camera system allows you to see an on-screen image of the surroundings and the Top View of your vehicle. This occurs whenever the gear selector is in REVERSE or when enabled through the Uconnect system. The Top View of the vehicle will also show if any doors are open. The image will be displayed on the touchscreen along with a caution note “Check Entire Surroundings”. After five seconds, this note will disappear. The Surround View Camera system is comprised of four cameras located in the front grille, rear tailgate and side mirrors.

NOTE:

- Removing the tailgate will disable the Rear View Camera function.

- The Surround View Camera system has programmable settings that may be selected through the Uconnect system  page 189.



Press this button on the touchscreen to enter the Surround View Camera menu in the Uconnect system.

When the vehicle is shifted into REVERSE, the Rear View and Top View is the default view of the system.

If the camera delay is turned on, the camera image will display for up to 10 seconds after shifting out of REVERSE. The camera image will stop displaying, close, and display the previous screen if the vehicle speed exceeds 8 mph (13 km/h), the vehicle is shifted into PARK, or the ignition is placed in the OFF position. The touchscreen X button on the touchscreen disables the display of the camera image.

If the camera delay is turned off, the camera image will close and display the previous screen after shifting out of REVERSE.

If active guidelines are enabled, the lines are overlaid on the image in the Rear View and Top View to illustrate the width of the vehicle and its projected path based on steering wheel position.

The guidelines have different colored zones to indicate the distance an object in the view is from the rear of the vehicle. Refer to the following chart:

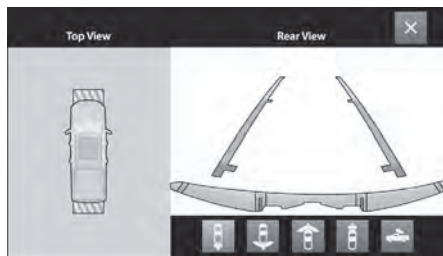
Zone	Distance To The Rear Of The Vehicle
Red	0 - 1 ft (0 - 30 cm)
Yellow	1 ft - 6.5 ft (30 cm - 2 m)
Green	6.5 ft or greater (2 m or greater)

Modes Of Operation

Standard Rear View can be manually activated by selecting “Back Up Camera” through the Controls menu within the Uconnect system.

Top View

The Top View will show in the Uconnect system with Rear View or Front View in a split screen display. There are integrated ParkSense arcs in the image at the front and rear of the vehicle. The arcs will change color from yellow to red corresponding the distance zones to the oncoming object.



Surround View Camera View

NOTE:

- Front tires will be seen in the image when the tires are turned.
- Due to wide angle cameras in the mirrors, the image will appear distorted.
- The Top View will show which doors are open.
- Open front doors will block the outside image.

Top View Plus Rear View



This is the default view of the system in REVERSE and is always paired with the Top View of the vehicle with optional active guidelines for the projected path when enabled.

Rear Cross Path View



Pressing the Rear Cross Path button will give the driver a wider angle view of the rear camera system. The Top View will be disabled when this is selected.

Top View Plus Front View



Pressing the Front View button will show you what is immediately in front of the vehicle and is always paired with the Top View of the vehicle.

Front Cross Path View



Pressing the Front Cross Path button will give the driver a wider angle view of the front camera system. The Top View will be disabled when this is selected.

Back Up Camera View



Pressing the Back Up Camera button will provide a full screen rearview with the ability to access a Zoom View.

NOTE:

- If the Back Up Camera was selected through the Surround View Camera menu, exiting out of screen display will return to the Surround View menu. If the Back Up Camera was manually activated through the Controls menu of the Uconnect system, exiting out of the display screen will return to the Controls menu.

- When the Trailer Reverse Steering Control (TRSC) feature (if equipped) is activated, the following buttons on the touchscreen will be unavailable:
 - Back Up Camera
 - Front Facing Camera with Tire Lines
 - All Surround View Camera Views

Zoom View

When the Rear View Camera image is being displayed, and the vehicle speed is below 8 mph (13 km/h), Zoom View is available. By pressing the “magnifying glass” icon in the upper left of the display screen, the image will zoom in two times the standard view. Pressing the icon a second time will return the view to the standard Back Up Camera display.

When Zoom View is selected while the vehicle is in REVERSE, then shifted to DRIVE, the camera delay view will display the standard Back Up Camera view. If the vehicle is then returned to REVERSE gear from DRIVE, the Zoom View selection will automatically resume.

Shifting to NEUTRAL from any gear will maintain the selected view (Zoom or Standard) as long as the vehicle is below 8 mph (13 km/h).

If the vehicle is in PARK, Zoom View is available until the gear selector is placed in DRIVE or REVERSE and speeds are at or above 8 mph (13 km/h).

NOTE:

- If the vehicle is in DRIVE, NEUTRAL, or REVERSE, and speed is greater than or equal to 8 mph (13 km/h), Zoom View is unavailable and the icon will appear grey.
- While in Zoom View, the guidelines will not be visible.

Deactivation

The system is deactivated in the following conditions if it was activated **automatically**:

- When the vehicle is shifted out of REVERSE with camera delay turned on, the camera image will continue to be displayed for up to 10 seconds after shifting out of REVERSE unless the vehicle speed exceeds 8 mph (13 km/h), the vehicle is shifted into PARK or the ignition is placed in the OFF position. There is a touchscreen X button to disable the display of the camera image.
- When the vehicle is shifted out of REVERSE with camera delay turned off, the Surround View Camera mode is exited and the last known screen appears again.

The system is deactivated in the following conditions if it was activated **manually** from the Uconnect controls menu via Surround View button or Back Up Camera button:

- The touchscreen X button is pressed
- Vehicle is shifted into PARK
- Ignition is placed in the OFF position
- Vehicle speed is over 8 mph (13 km/h) for 10 seconds

NOTE:

If the Surround View Camera is activated manually, and the vehicle is shifted into REVERSE, deactivation methods for automatic activation are assumed.

The camera delay system is turned off manually through the Uconnect settings menu ➡ page 189.

NOTE:

- If snow, ice, mud, or any foreign substance builds up on the camera lenses, clean the lenses, rinse with water, and dry with a soft cloth. Do not cover the lenses.
- If a malfunction with the system has occurred, see an authorized dealer.

WARNING!

Drivers must be careful when backing up even when using the Surround View Camera. Always check carefully behind your vehicle, and be sure to check for pedestrians, animals, other vehicles, obstructions, or blind spots before backing up. You are responsible for the safety of your surroundings and must continue to pay attention while backing up. Failure to do so can result in serious injury or death.

CAUTION!

- To avoid vehicle damage, Surround View should only be used as a parking aid. The Surround View camera is unable to view every obstacle or object in your drive path.
- To avoid vehicle damage, the vehicle must be driven slowly when using Surround View to be able to stop in time when an obstacle is seen. It is recommended that the driver look frequently over his/her shoulder when using Surround View.

For information on Auxiliary Cameras (if equipped), see ➡ page 167.

FORWARD FACING CAMERA WITH TIRE LINES — IF EQUIPPED

The Forward Facing Camera displays a front view image of the road ahead, along with tire lines to guide the driver when driving on narrow roads. Tire lines can be activated/deactivated through the Uconnect Settings.

Activation

The Forward Facing Camera can be activated in the following ways:

- Pressing the Forward Facing Camera button in the Controls screen or Apps menu
- Pressing the Forward Facing Camera button located in the upper left corner of the Back Up camera display

Once activated, the camera image will remain on as long as the vehicle speed is below 8 mph (13 km/h).

Deactivation

The Forward Facing Camera is deactivated in the following conditions:

- The vehicle exceeds 8 mph (13 km/h), except when vehicle is in 4WD Low.
- The touchscreen X button is pressed.
- The vehicle is shifted into PARK.
- The ignition is placed in the OFF position.

NOTE:

If the vehicle is in 4WD Low, the Forward Facing Camera image will be displayed until the touchscreen X button is pressed or the ignition is placed in the OFF position.

TRAILER CAMERAS — IF EQUIPPED

TRAILER SURROUND VIEW CAMERA SYSTEM — IF EQUIPPED

The Trailer Surround View Camera system allows you to see an on-screen image of the surroundings and the Top View of a trailer using four mountable cameras. This occurs whenever the More Cams button is selected, or when enabled through the Uconnect system. The image will be displayed on the Uconnect display along with a caution note “Check Entire Surroundings”. After five seconds, this note will disappear.

NOTE:

- Trailer Surround View Camera kit is only available for vehicles equipped with the Surround View Camera system.
- The Trailer Surround View Camera system has programmable settings that may be selected through the Uconnect system ➞ page 189.

Set Up

The Trailer Surround View Camera system includes an installation kit with a Trailer Surround View Module and four Trailer Surround View Cameras that must be installed on your trailer prior to connecting to your vehicle. See the installation instructions included with the Trailer Surround View installation kit for more information. Once the Trailer Surround View Module and cameras are installed and the trailer is connected to the vehicle via the 12-way connector, the settings Trailer Surround Camera settings can be accessed. The Trailer Surround Camera settings can be accessed

through Uconnect Settings by pressing the Trailer button in the Trailer Settings or the Camera Settings. The system requires input of the trailer dimensions prior to use of the system.

NOTE:

- If a trailer is connected but the trailer dimensions have not been entered in the Trailer Surround settings page, the system will default to the settings page.
- If a trailer is not connected and any button is selected, a message will appear: “Connect Trailer Equipped With Trailer Surround View System”.

Inputting Trailer Values

For the Trailer Surround View Camera system to function, all fields must be entered. When a value is needed the screen will display “Required”.

Setting	Description
Trailer Length	Input the total length of the trailer
Trailer Width	Input the total width of the trailer
Camera Height	Input the height of the mounted camera

Activation

The Trailer Surround Camera can be activated through the Uconnect system when the vehicle is in PARK, NEUTRAL, OR DRIVE.

When the vehicle is shifted into REVERSE, Surround View Camera showing the Top View and Back Up Camera is the default view of the system. Press the More

Cams button and press the Trailer tab to access the Trailer Cameras. Press Trailer Surround Camera button to access Top View and Rear View of the trailer.

If the camera delay is turned on, the camera image will display for up to 10 seconds after shifting out of REVERSE. The camera image will not display for 10 seconds if the vehicle speed exceeds 8 mph (13 km/h), the vehicle is shifted into PARK, or the ignition is placed in the OFF position. The touchscreen X button disables the display of the camera image.

If the camera delay is turned off, the camera image will close and display the previous screen after shifting out of REVERSE.

Modes Of Operation

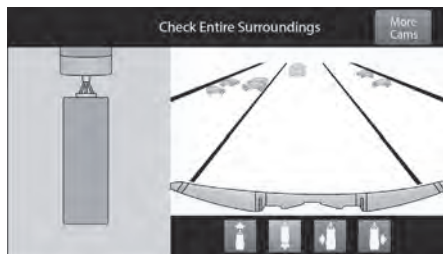
The Trailer Surround View Camera system offers two different camera displays:

- Top View split screen with one selected mounted camera
- Full screen view of a selected mounted camera

Press the More Cams button on the Surround View screen and select the Trailer tab to access the Trailer Cameras. Press Trailer Surround Camera button to access the default Top View and Rear View of the trailer.

Top View

The Trailer Top View will show in the Uconnect system with Top View and Rear View in a split screen display.



Trailer Top and Rear Camera View

NOTE:

Due to wide angle cameras, the image will appear distorted.

Rear View



Pressing the Rear View button will show the Top View and Rear View in a split screen display.

Front View



Pressing the Front View button will show you what is immediately in front of the trailer and is paired with the Top View of the trailer.

Left View



Pressing the Left View button will give the driver a wider angle view of the left side trailer camera and is paired with the Top View of the trailer.

Right View



Pressing the Right View button will give the driver a wider angle view of the right side trailer camera and is paired with the Top View of the trailer.

Full Screen Camera View

To display a full screen image of the Trailer Surround View mounted cameras, select one of the following options from the Trailer Cameras screen: Trailer Left, Trailer Right, Trailer Front, Trailer Rear. Exiting out of the full screen view will return the system to the previous screen.

NOTE:

If the Trailer Surround Camera was selected through the More Cameras menu, an option to return to the More Cameras menu will display. If the Trailer Surround Camera was manually activated through the Controls menu of the Uconnect system, exiting out of the display screen will return to the Controls menu.

Deactivation

The system is deactivated in the following conditions if it was activated **automatically**:

- When the vehicle is shifted out of REVERSE with camera delay turned on, the camera image will continue to be displayed for up to 10 seconds, unless the vehicle speed exceeds 8 mph (13 km/h), the vehicle is shifted into PARK or the ignition is placed in the OFF position. There is a touchscreen X button to disable the display of the camera image.
- When the vehicle is shifted out of REVERSE with camera delay turned off, the Trailer Surround View Camera mode is exited and the last known screen appears again.

The system is deactivated in the following conditions if it was activated **manually** from the Uconnect controls menu via the Trailer Surround Camera button:

- The touchscreen X button is pressed
- Vehicle is shifted into PARK
- Ignition is placed in the OFF position
- Vehicle speed is over 8 mph (13 km/h) for 10 seconds

NOTE:

If the Trailer Surround Camera is activated manually, and the vehicle is shifted into REVERSE, deactivation methods for automatic activation are assumed.

The camera delay system is turned off manually through the Uconnect system page 189.

NOTE:

- If snow, ice, mud, or any foreign substance builds up on the camera lenses, clean the lenses, rinse with water, and dry with a soft cloth. Do not cover the lenses.
- If a malfunction with the system has occurred, see an authorized dealer.

WARNING!

Drivers must be careful when backing up even when using the Trailer Surround View Camera. Always check carefully behind your vehicle, and be sure to check for pedestrians, animals, other vehicles, obstructions, or blind spots before backing up. You are responsible for the safety of your surroundings and must continue to pay attention while backing up. Failure to do so can result in serious injury or death.

CAUTION!

- To avoid vehicle damage, Trailer Surround View should only be used as a parking aid. The Trailer Surround View Camera is unable to view every obstacle or object in your drive path.
- To avoid vehicle damage, the vehicle must be driven slowly when using Trailer Surround View to be able to stop in time when an obstacle is seen. It is recommended that the driver look frequently over his/her shoulder when using Trailer Surround View.

AUX CAMERA — IF EQUIPPED

Your vehicle may be equipped with one or two AUX Cameras, which display rearview and side view images from the trailer on the touchscreen.

NOTE:

Two Aux Cameras are only available on vehicles with NAV equipped radios if the vehicle is not equipped with a Center High Mounted Stop Lamp (CHMSL) and Surround View Camera system.

Activation

The AUX Camera is activated by first pressing the Back Up Camera or Cargo Camera (if equipped) button on the touchscreen, followed by the AUX button located in the upper left corner of the rearview display. On vehicles with Surround View Camera (if equipped), the AUX Camera can be activated when the vehicle is in REVERSE by first pressing the More Cams button in the Surround View screen, followed by the AUX tab. The AUX camera can also be activated when the vehicle is in REVERSE by pressing the AUX button.

If equipped with two AUX Cameras, you can switch between each camera by pressing the AUX 1 or AUX 2 buttons on the Trailer Camera display.



AUX 1 Camera Button



AUX 2 Camera Button

Deactivation

The AUX Camera is deactivated by pressing the touchscreen X button. This will return the display back to the previously displayed screen.

NOTE:

- If the AUX button is pressed and no AUX Camera is connected, the touchscreen will display a blue screen along with the message "Camera System Unavailable." The screen can be exited out by pressing the touchscreen X button. This will return the display back to the previously displayed screen.
- Zoom View is not available with the AUX Camera feature.
- The display will always default to the Trailer Camera display AUX 1.

REFUELING THE VEHICLE

The capless fuel filler is located on the left side of the vehicle.

The capless system is sealed by two flapper doors.

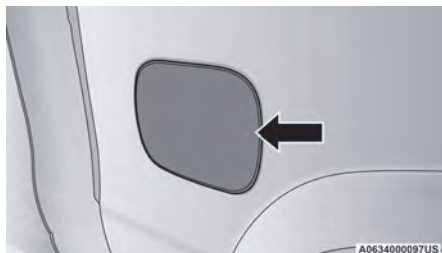
WARNING!

- Never have any smoking materials lit in or near the vehicle when the fuel door is open or the tank is being filled.
- Never add fuel when the engine is running. This is in violation of most state and federal fire regulations and may cause the MIL to turn on.
- A fire may result if gasoline is pumped into a portable container that is inside of a vehicle. You could be burned. Always place gas containers on the ground while filling.

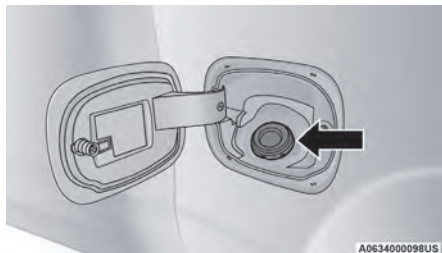
CAUTION!

To avoid fuel spillage and overfilling, do not "top off" the fuel tank after filling.

1. Put the vehicle in PARK and switch the ignition off.
2. Push the center-rear edge of the fuel filler door (3 o'clock position) and release to open.

**Fuel Filler Door**

3. Insert the fuel nozzle fully into the filler pipe, the nozzle opens and holds both flapper doors while refueling.

**Fuel Filler**

4. When the fuel nozzle "clicks" or shuts off, the fuel tank is full.
5. Keep the nozzle in the filler for five seconds after nozzle clicks to allow fuel to drain from the nozzle.
6. Remove the fuel filler nozzle.

7. To close the fuel filler door, push the center-rear edge (3 o'clock position) of the fuel filler door and then release. The fuel filler door will latch closed.

NOTE:

In certain cold conditions, ice may prevent the fuel filler door from opening. If this occurs, lightly push on the fuel filler door around the perimeter to break the ice buildup.

WARNING!

Static electricity can cause an ignition of flammable liquid, vapor or gas in any vehicle or trailer. To reduce risk of serious injury or death when filling containers:

- Always place container on the ground before filling.
- Keep the pump nozzle in contact with the container when you are filling it.
- Use only approved containers for flammable liquid.
- Do not leave container unattended while filling.
- A static electric charge could cause a spark and fire hazard.

VEHICLE LOADING**CERTIFICATION LABEL**

As required by local regulations, your vehicle has a certification label affixed to the driver's side door or B-pillar.

This label contains the month and year of manufacture, Gross Vehicle Weight Rating (GVWR), front and rear Gross Axle Weight Rating (GAWR), and Vehicle Identification Number (VIN). A Month-Day-Hour (MDH) number

is included on this label and indicates the Month, Day and Hour of manufacture. The bar code that appears on the bottom of the label is your VIN.

Gross Vehicle Weight Rating (GVWR)

The GVWR is the total permissible weight of your vehicle including driver, passengers, vehicle, options and cargo. The label also specifies maximum capacities of front and rear GAWR. Total load must be limited so GVWR and front and rear GAWR are not exceeded.

Payload

The payload of a vehicle is defined as the allowable load weight a truck can carry, including the weight of the driver, all passengers, options and cargo.

Gross Axle Weight Rating (GAWR)

The GAWR is the maximum permissible load on the front and rear axles. The load must be distributed in the cargo area so that the GAWR of each axle is not exceeded.

Each axle GAWR is determined by the components in the system with the lowest load carrying capacity (axle, springs, tires or wheels). Heavier axles, or suspension components sometimes specified by purchasers for increased durability, do not necessarily increase the vehicle's GVWR.

Tire Size

The tire size on the Vehicle Certification Label represents the actual tire size on your vehicle. Replacement tires must be equal to the load capacity of this tire size.

Rim Size

This is the rim size that is appropriate for the tire size listed.

Inflation Pressure

This is the cold tire inflation pressure for your vehicle for all loading conditions up to full Gross Axle Weight Rating (GAWR).

Curb Weight

The curb weight of a vehicle is defined as the total weight of the vehicle with all fluids, including vehicle fuel, at full capacity conditions, and with no occupants or cargo loaded into the vehicle. The front and rear curb weight values are determined by weighing your vehicle on a commercial scale before any occupants or cargo are added.

Loading

The actual total weight and the weight of the front and rear of your vehicle at the ground can best be determined by weighing it when it is loaded and ready for operation.

The entire vehicle should first be weighed on a commercial scale to ensure that the Gross Vehicle Weight Rating (GVWR) has not been exceeded. The weight on the front and rear of the vehicle should then be determined separately to be sure that the load is properly distributed over the front and rear axle. Weighing the vehicle may show that the Gross Axle Weight Rating (GAWR) of either the front or rear axles has been exceeded but the total load is within the specified GVWR. If so, weight must be shifted from front to rear or rear to front as appropriate until the specified weight limitations are met. Store the heavier items down low and be sure that the weight is distributed equally. Stow all loose items securely before driving.

Improper weight distributions can have an adverse effect on the way your vehicle steers and handles and the way the brakes operate.

WARNING!

Do not load your vehicle any heavier than the GVWR or the maximum front and rear GAWR. If you do, parts on your vehicle can break, or it can change the way your vehicle handles. This could cause you to lose control. Overloading can shorten the life of your vehicle.

TRAILER TOWING

In this section you will find safety tips and information on limits to the type of towing you can reasonably do with your vehicle. Before towing a trailer, carefully review this information to tow your load as efficiently and safely as possible.

To maintain the New Vehicle Limited Warranty coverage, follow the requirements and recommendations in this manual concerning vehicles used for trailer towing.

COMMON TOWING DEFINITIONS

The following trailer towing related definitions will assist you in understanding the following information:

Gross Vehicle Weight Rating (GVWR)

The GVWR is the total allowable weight of your vehicle. This includes driver, passengers, cargo and tongue weight. The total load must be limited so that you do not exceed the GVWR ➔ page 168.

Gross Trailer Weight (GTW)

The GTW is the weight of the trailer plus the weight of all cargo, consumables and equipment (permanent or temporary) loaded in or on the trailer in its "loaded and ready for operation" condition.

The recommended way to measure GTW is to put your fully loaded trailer on a vehicle scale. The entire weight of the trailer must be supported by the scale

Gross Combination Weight Rating (GCWR)

The GCWR is the total allowable weight of your vehicle and trailer when weighed in combination.

Gross Axle Weight Rating (GAWR)

The GAWR is the maximum capacity of the front and rear axles. Distribute the load over the front and rear axles evenly. Make sure that you do not exceed either front or rear GAWR ➔ page 168.

WARNING!

It is important that you do not exceed the maximum front or rear GAWR. A dangerous driving condition can result if either rating is exceeded. You could lose control of the vehicle and have a collision.

Tongue Weight (TW)

The Tongue Weight is the downward force exerted on the hitch ball by the trailer. You must consider this as part of the load on your vehicle.

Trailer Frontal Area

The trailer frontal area is the maximum height multiplied by the maximum width of the front of a trailer.

Weight-Distributing Hitch

A Weight-Distributing system works by applying leverage through spring (load) bars. They are typically used for heavier loads to distribute trailer tongue weight to the tow vehicle's front axle and the trailer axle(s). When used in accordance with the manufacturer's directions, it provides for a more level ride, offering more consistent steering and brake control thereby enhancing towing safety. The addition of a friction/hydraulic sway control also dampens sway caused by traffic and crosswinds and contributes positively to tow vehicle and trailer stability. TSC and a weight-distributing (load equalizing) hitch are recommended for heavier TW and may be required depending on vehicle and trailer configuration/loading to comply with GAWR requirements.

WARNING!

- An improperly adjusted weight-distributing hitch system may reduce handling, stability and braking performance and could result in a collision.
- Weight-distributing systems may not be compatible with surge brake couplers. Consult with your hitch and trailer manufacturer or a reputable Recreational Vehicle Dealer for additional information.



A0636000055US

Without Weight-Distributing Hitch (Incorrect)



A0636000053US

Improper Adjustment Of Weight-Distributing Hitch (Incorrect)



A0636000052US

With Weight-Distributing Hitch (Correct)

RECOMMENDED DISTRIBUTION HITCH ADJUSTMENT

Towing With Air Suspension — If Equipped

1. Verify that the vehicle is at the normal ride height.

NOTE:

The vehicle must remain in the engine run position with all doors closed while attaching a trailer for proper leveling of the air suspension system.

2. Position the truck to be ready to connect to the trailer (do not connect the trailer).
3. Enable tire jack mode through the instrument cluster or touchscreen radio settings. Tire jack mode will be canceled and the procedure must be restarted if the vehicle is driven at speeds above 5 mph (8 km/h).
4. Measure the height from the top of the front wheel opening on the fender to ground; this is height H1.



A0636000054US

Measuring Height (H)

5. Attach the trailer to the vehicle without the weight-distributing bars connected.
6. Measure the height from the top of the front wheel opening on the fender to the ground; this is height H2.
7. Install and adjust the tension in the weight-distributing bars per the manufacturer's recommendations so that the height of the front fender is approximately $(H2-H1)/3+H1$ (about 1/3 the difference between H2 and H1 above normal ride height [H1]).
8. Use the instrument cluster or touchscreen radio settings and switch off tire jack mode. Make sure the truck returns to normal ride height. Perform a visual inspection of the trailer and weight-distributing hitch to confirm the manufacturer's recommendations have been met.
9. The truck can now be driven.

Measurement Example	Example Height (mm)
H1	925
H2	946
H2-H1	21
$(H2-H1)/3$	7
$(H2-H1)/3 + H1$	932

NOTE:

For all towing conditions, we recommend towing with Tow/Haul mode engaged.

TRAILER TOWING WEIGHTS (MAXIMUM TRAILER WEIGHT RATINGS)

NOTE:

For trailer towing information (maximum trailer weight ratings) refer to the following website addresses:

- ramtrucks.com/towing/towing-guide
- ramtruck.ca (Canada)
- rambodybuilder.com

TRAILER AND TONGUE WEIGHT

Never exceed the maximum tongue weight stamped on your fascia/bumper or trailer hitch.

CAUTION!
Always load a trailer with 60% of the weight in the front of the trailer. This places 10% of the GTW on the tow hitch of your vehicle. Loads balanced over the wheels or heavier in the rear can cause the trailer to

(Continued)

CAUTION!

sway severely side to side which will cause loss of control of the vehicle and trailer. Failure to load trailers heavier in front is the cause of many trailer collisions.

Consider the following items when computing the weight on the rear axle of the vehicle:

- The TW of the trailer.
- The weight of any other type of cargo or equipment put in or on your vehicle.
- The weight of the driver and all passengers.

NOTE:

Remember that everything put into or on the trailer adds to the load on your vehicle. Also, additional factory-installed options or dealer-installed options must be considered as part of the total load on your vehicle. Refer to the Tire And Loading Information Placard for the maximum combined weight of occupants and cargo for your vehicle.

TRAILER REVERSE STEERING CONTROL — IF EQUIPPED

Feature Overview

Trailer Reverse Steering Control (TRSC) is a feature that will assist the driver when backing up a trailer. By turning the knob located on the center stack, you can more accurately control the direction the trailer will go.

The driver controls the accelerator and the brake while steering with the use of the Trailer Reverse Steering Control knob. The trailer is steered according to the direction the knob is turned.

This feature will also allow the driver to back up a vehicle and trailer in a straight line when the knob is rested in its center position.

Minimal setup is required to use this feature.

Set Up:

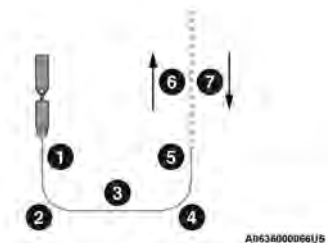
To use the system, hitch your trailer to the truck and ensure all electrical wiring is connected ➔ page 176.

The system will automatically calibrate an attached trailer during normal forward driving with no additional action needed from the driver. If the vehicle has not had enough time to automatically calibrate after connecting a trailer, you will see a "Calibrate Trailer" message in the instrument cluster when pressing the TRSC button to activate the system. If this is the case, perform the following maneuver to calibrate the trailer:

Drive forward at least 100 ft (30 m), perform a 90 degree turn and return to a straight position for at least another 100 ft (30 m). Perform another 90 degree turn, followed by another straight drive of at least 100 ft (30 m). Check that the system has calibrated by pushing the TRSC button.

NOTE:

The 90 degree turns could be in either the left or right direction.



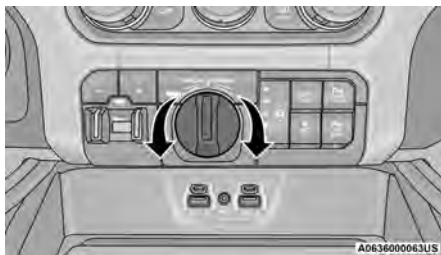
Trailer Reverse Steering Control Calibration

1. Drive straight 100 ft (30 m). A "Calibrating Trailer" message will display when vehicle is in motion.
2. Perform intersection turn with radius 50-65 ft (15-20 m) in either direction.
3. Drive straight 100 ft (30 m).
4. Perform intersection turn with radius 50-65 ft (15-20 m) in either direction.
5. Drive straight 100 ft (30 m).
6. Drive straight 100 ft (30 m), making sure to align vehicle/trailer to path center line.
7. Once calibration is complete, feature will be available for use. For calibration runs under 30 mph (48 km/h) a "To Enable Trailer Steering Shift to P" message will appear to indicate calibration completion.

Using TRSC

CAUTION!

Always observe the position of the trailer and surroundings using the camera and mirrors to avoid damage to the truck or trailer.



Trailer Reverse Steering Control Knob

To use the system, place the gear selector in PARK and put your foot on the brake. Push the activation button located above the TRSC knob in the center stack. The LED on the button will glow solid and the instrument cluster display will direct you to shift to REVERSE. Once in REVERSE the system is active. Remove hands from the steering wheel and slowly back up while turning the TRSC knob in the direction you want the trailer to go. Turning the knob clockwise will cause the trailer to turn right. Turning the knob counterclockwise will cause the trailer to turn left. If you release the knob, it will return to its center position, and the trailer will back up in a straight line.

Continue to control the accelerator and brake while backing the trailer up.

NOTE:


While active, TRSC will automatically disable the Rear Park Assist system if it was previously enabled.

The system will limit the top speed your vehicle can travel in REVERSE while using the feature. If needed, you can shift to DRIVE or NEUTRAL to pull forward to get more room or straighten out the trailer, and shift back to REVERSE without the need to reactivate the feature.

The feature will cancel after 30 seconds in DRIVE or when the vehicle speed reaches 8 mph (12 km/h).

To cancel out of the feature, come to a stop and shift to PARK, or push the TRSC activation button.

Instrument Cluster Messages:

- “Calibrate Trailer  ” will display when a trailer is not calibrated and the vehicle is at a standstill while the button is pushed.
- “Calibrating Trailer” will display when the trailer is not calibrated and the vehicle is moving while the button is pushed.
- “To Activate Trailer Steering Shift To P” will display when the trailer is calibrated successfully, the TRSC activation button is pushed and the vehicle is not in PARK.
- “Trailer Steering Ready, Shift To Reverse” will display when the button is pushed, trailer is calibrated and the vehicle is in PARK.
- “Trailer Steering Active” will display after the driver shifts to REVERSE and indicates the feature is active.
- “Trailer Steering Unavailable” will display if there is a fault in the system preventing activation, the driver’s door is open, the driver’s seat belt is unbuckled, or the tailgate is open.

Other reasons the feature may cancel:

- The driver overrides steering by placing hands on the steering wheel.
- Trailer tracking is lost.
- If the trailer angle becomes excessive, the brakes apply bringing the vehicle to a stop and then applying the parking brake.
- Trailer steering button is pushed while active.
- Vehicle speed goes over 8 mph (12 km/h).
- Driver door is open and seat belt is unbuckled.
- Transmission shifted to PARK.

Trailer Memory

The trailer steering system will automatically retain the calibration of the previous five trailers connected, so recalibration will not be necessary when hooking up. The next time the vehicle is started, place the vehicle in DRIVE and drive a short distance. The TRSC system can then be activated.

NOTE:

Trailers may look different during day and night conditions. In such cases, the trailer may need to recalibrate. Some trailers (such as boat trailers) will need to recalibrate while loaded and unloaded.

NOTE:

- The system may not detect a trailer in low light conditions. In sunny conditions, the performance may be degraded as shadows pass over the trailer.
- The driver is always responsible for safe operation of truck and trailer.
- The driver is always in control of the truck as well as the trailer and is responsible for controlling the throttle and brakes.

- The system may not function when the camera lens is blocked, blurred (covered with water, snow, ice, dirt, etc) and will not work unless the tailgate is upright and fully latched.

TOWING REQUIREMENTS

To promote proper break-in of your new vehicle drive-train components, the following guidelines are recommended.

CAUTION!

- Do not tow a trailer at all during the first 500 miles (805 km) the new vehicle is driven. The engine, axle or other parts could be damaged.
- Then, during the first 500 miles (805 km) that a trailer is towed, do not drive over 50 mph (80 km/h) and do not make starts at full throttle. This helps the engine and other parts of the vehicle wear in at the heavier loads.

Perform the maintenance listed in the “Service and Warranty Handbook (Auto Biography)”. Refer to “Service And Warranty Handbook (Auto Biography)” for the proper maintenance intervals. When towing a trailer, never exceed the GAWR or GCWR ratings.

WARNING!

Improper towing can lead to a collision. Follow these guidelines to make your trailer towing as safe as possible:

- Make certain that the load is secured in the trailer and will not shift during travel. When trailering cargo that is not fully secured, dynamic load shifts

(Continued)

WARNING!

- can occur that may be difficult for the driver to control. You could lose control of your vehicle and have a collision.
- When hauling cargo or towing a trailer, do not overload your vehicle or trailer. Overloading can cause a loss of control, poor performance or damage to brakes, axle, engine, transmission, steering, suspension, chassis structure or tires.
 - Safety chains must always be used between your vehicle and trailer. Always connect the chains to the hook retainers of the vehicle hitch. Cross the chains under the trailer tongue and allow enough slack for turning corners.
 - Vehicles with trailers should not be parked on a grade. When parking, apply the parking brake on the tow vehicle. Put the tow vehicle transmission in PARK. For four-wheel drive vehicles, make sure the transfer case is not in NEUTRAL. Always, block or "chock" the trailer wheels.
 - GCWR must not be exceeded.
 - **Total weight must be distributed between the tow vehicle and the trailer such that the following four ratings are not exceeded:**
 - GVWR
 - GTW
 - GAWR
 - Tongue weight rating for the trailer hitch utilized

Towing Requirements — Tires

- Do not attempt to tow a trailer while using a compact spare tire.
- Do not drive more than 50 mph (80 km/h) when towing while using a full size spare tire.
- Proper tire inflation pressures are essential to the safe and satisfactory operation of your vehicle.
- Check the trailer tires for proper tire inflation pressures before trailer usage.
- Check for signs of tire wear or visible tire damage before towing a trailer.
- Replacing tires with a higher load carrying capacity will not increase the vehicle's GVWR and GAWR limits.
- For further information ⇄ page 326.

Towing Requirements — Trailer Brakes

- Do **not** interconnect the hydraulic brake system or vacuum system of your vehicle with that of the trailer.
- An electronically actuated trailer brake controller is required when towing a trailer with electronically actuated brakes. When towing a trailer equipped with a hydraulic surge actuated brake system, an electronic brake controller is not required.
- Trailer brakes are recommended for trailers over 1,000 lb (453 kg) and required for trailers in excess of 2,000 lb (907 kg).

WARNING!

- Do not connect trailer brakes to your vehicle's hydraulic brake lines. It can overload your brake system and cause it to fail. You might not have brakes when you need them and could have an accident.
- Towing any trailer will increase your stopping distance. When towing, you should allow for additional space between your vehicle and the vehicle in front of you. Failure to do so could result in an accident.

CAUTION!

If the trailer weighs more than 1,000 lb (453 kg) loaded, it should have its own brakes and they should be of adequate capacity. Failure to do this could lead to accelerated brake lining wear, higher brake pedal effort, and longer stopping distances.

**Integrated Trailer Brake Module (ITBM)
— If Equipped**

Your vehicle may have an ITBM for electric and Electric Over Hydraulic (EOH) trailer brakes.

NOTE:

This module has been designed and verified with electric trailer brakes and new EOH systems. Some previous EOH systems may not be compatible with ITBM.



Integrated Trailer Brake Module (ITBM)

- 1 — GAIN (-) Adjustment Button
- 2 — GAIN (+) Adjustment Button
- 3 — Manual Brake Control Lever

The user interface consists of the following:

GAIN Adjustment Buttons (+/-)

Pushing these buttons will adjust the brake control power output to the trailer brakes in 0.5 increments. The GAIN setting can be increased to a maximum of 10 or decreased to a minimum of 0 (no trailer braking).

GAIN

The GAIN setting is used to set the trailer brake control for the specific towing condition and should be changed as towing conditions change. Changes to towing conditions include trailer load, vehicle load, road conditions and weather.

Manual Brake Control Lever

Slide the manual brake control lever to the left to activate power to the trailer's electric brakes independent of the tow vehicle's brakes. If the manual brake control lever is activated while the brake is also applied, the greater of the two inputs determines the power sent to the trailer brakes.

The trailer and the vehicle's stop lamps will come on when braking normally with the vehicle brake pedal. Only the trailer stop lamps will come on when the manual brake control lever is applied.

Trailer Brake Status Indicator Light

This light indicates the trailer electrical connection status.

If no electrical connection is detected after the ignition is turned on, pushing the GAIN adjustment button or sliding the manual brake control lever will display the GAIN setting for 10 seconds and the Trailer Brake Status Indicator Light will not be displayed.

If a fault is detected in the trailer wiring or the Integrated Trailer Brake Module (ITBM), the Trailer Brake Status Indicator Light will flash.

Adjusting GAIN

NOTE:

This should only be performed in a traffic free environment at speeds of approximately 20–25 mph (30–40 km/h).

1. Make sure the trailer brakes are in good working condition, functioning normally and properly adjusted. See your trailer dealer if necessary.
2. Hook up the trailer and make the electrical connections according to the trailer manufacturer's instructions.

3. When a trailer is plugged in with electric or EOH brakes, the trailer connected message should appear in the instrument cluster display (if the connection is not recognized by the ITBM, braking functions will not be available), the GAIN setting will illuminate and the correct type of trailer must be selected from the instrument cluster display options.
4. Push the UP or DOWN button on the steering wheel until "TRAILER TOW" appears on the screen.
5. Push the RIGHT arrow on the steering wheel to enter "TRAILER TOW".
6. Push the UP or DOWN buttons until the Trailer Brake Type appears on the screen.
7. Push the RIGHT arrow and then push the UP or DOWN buttons until the proper Trailer Brake Type appears on the screen.
8. In a traffic-free environment, tow the trailer on a dry, level surface at a speed of 20–25 mph (30–40 km/h) and squeeze the manual brake control lever completely.
9. If the trailer wheels lockup (indicated by squealing tires), reduce the GAIN setting; if the trailer wheels turn freely, increase the GAIN setting.

Repeat steps 8 and 9 until the GAIN setting is at a point just below trailer wheel lockup. If towing a heavier trailer, trailer wheel lockup may not be attainable even with the maximum GAIN setting of 10.

	Light Electric	Heavy Electric	Light EOH	Heavy EOH
Type of Trailer Brakes	Electric Trailer Brakes	Electric Trailer Brakes	Electric Over Hydraulic Trailer Brakes	Electric Over Hydraulic Trailer Brakes
Load	*Under 10,000 lb	*Above 10,000 lb	*Under 10,000 lb	*Above 10,000 lb

*The suggested selection may change depending on the customer preferences for braking performance. Condition of the trailer brakes, driving and road state may also affect the selection.

Display Messages

The trailer brake control interacts with the instrument cluster display. Display messages, along with a single chime, will be displayed when a malfunction is determined in the trailer connection, trailer brake control, or on the trailer → page 91.

WARNING!

Connecting a trailer that is not compatible with the ITBM system may result in reduced or complete loss of trailer braking. There may be an increase in stopping distance or trailer instability which could result in personal injury.

CAUTION!

Connecting a trailer that is not compatible with the ITBM system may result in reduced or complete loss of trailer braking. There may be an increase in stopping distance or trailer instability which could result in damage to your vehicle, trailer, or other property.

NOTE:

- An aftermarket controller may be available for use with trailers with air or EOH trailer brake systems. To determine the type of brakes on your trailer and the availability of controllers, check with your trailer manufacturer or dealer.
- Removal of the ITBM will cause errors and it may cause damage to the electrical system and electronic modules of the vehicle. See an authorized dealer if an aftermarket module is to be installed.

Towing Requirements — Trailer Lights And Wiring

Whenever you pull a trailer, regardless of the trailer size, stop lights and turn signals on the trailer are required for motor safety.

The Trailer Tow Package may include a wiring harness. Use a factory approved trailer harness and connector.

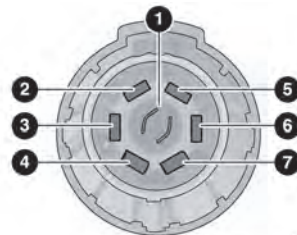
NOTE:

Do not cut or splice wiring into the vehicle's wiring harness.

The electrical connections are all complete to the vehicle but you must connect the harness to a trailer connector. Refer to the following illustrations.

NOTE:

- Disconnect the trailer wiring connector from the vehicle (or any other device plugged into vehicle's electrical connectors) before launching a boat into water.
- Be sure to reconnect once clear from water area.



A0636000085US

Seven-Pin Connector

- 1 — Backup Lamps
- 2 — Running Lamps
- 3 — Left Stop/Turn
- 4 — Ground
- 5 — Battery
- 6 — Right Stop/Turn
- 7 — Electric Brakes



M0836000045US

13-Pin Connector – If Equipped

4

Pin Number	Function	Wire Color
1	Left Turn Signal	Black/White
2	Rear Fog Light	White
3 ^a	Ground/Common Return for Contacts (Pins) 1 and 2 and 4 to 8	Brown
4	Right Turn Signal	Black/Green
5	Right Rear Position, Side Marker Lights, and Rear Registration Plate Illumination Device. ^b	Green/Red
6	Stop Lights	Black/Red
7	Left Rear Position, Side Marker Lights, and Rear Registration Plate Illumination Device. ^b	Green/Black
8	Reverse Lights	Blue/Red
9	Permanent Power Supply (+12 Volt)	Red
10	Power Supply Controlled by Ignition Switch (+12 Volt)	Yellow
11 ^a	Return for Contact (Pin) 10	Yellow/Brown
12	Reserve for Future Allocation	-
13 ^a	Return for Contact (Pin) 9	Red/Brown

NOTE:

The allocation pin 12 has been changed from "Coding for Coupled Trailer" to "Reserve for Future Allocation."

^a The three return circuits shall not be connected electrically in the trailer.

^b The rear position registration plate illumination device shall be connected such that no light of the device has a common connection with both pins 5 and 7.

Trailer Light Check

This feature will run the trailer lights through a sequence to check the trailer light function. It is available in the Instrument Cluster under the Trailer Tow menu ➡ page 97.

When activated the feature will enable all of the exterior lights sequentially for up to five minutes for time to walk around and verify functionality. The following exterior lights will remain on for the entirety of the sequence:

- Park/Running Lamps
- Side Marker Lamps (if equipped)
- License Lamp
- Signature Lamp (if equipped)
- Low Beams
- Fog Lamps (if equipped)
- Daytime Running Lamps

During this time the following lights will sequence, each activating for three seconds:

1. Brake and CHMSL (third brake light)
2. Left turn signal
3. Right turn signal
4. Reverse Lamps
5. High Beam

This light check sequence will continue for a total of five minutes.

The sequence will only activate if the following conditions are met:

- Vehicle is equipped with the Trailer Tow Package
- Vehicle is in PARK
- Vehicle is not in motion
- Ignition is in ACC or ON/RUN
- Remote start is inactive
- Brakes are not applied
- Left turn signal is not applied
- Right turn signal is not applied
- Hazard switch is not applied

The sequence will cancel if any of the following conditions occur:

- Brakes are applied
- Vehicle is shifted from PARK
- Vehicle is no longer stationary
- Left turn signal activated from stalk
- Right turn signal is activated from stalk
- Hazard switch is activated
- Any button on the key fob is pushed
- Ignition button is pushed
- High Beam stalk position is changed
- Sequence is canceled in the instrument cluster

TOWING TIPS

Before towing, practice turning, stopping, and backing up the trailer in an area located away from heavy traffic.

Automatic Transmission

The DRIVE range can be selected when towing. The transmission controls include a drive strategy to avoid frequent shifting when towing. However, if frequent shifting does occur while in DRIVE, select TOW/HAUL mode or select a lower gear range (using the Electronic Range Select (ERS) shift control).

NOTE:

Using TOW/HAUL mode or selecting a lower gear range (using the ERS shift control) while operating the vehicle under heavy loading conditions will improve performance and extend transmission life by reducing excessive shifting and heat buildup. This action will also provide better engine braking.


Tow/Haul Mode

To reduce potential for automatic transmission overheating, activate TOW/HAUL mode when driving in hilly areas, or select a lower gear range (using the (ERS) shift control) on more severe grades.

Cruise Control — If Equipped

- Do not use on hilly terrain or with heavy loads.
- When using the Cruise Control, if you experience speed drops greater than 10 mph (16 km/h), disengage until you can get back to cruising speed.
- Use Cruise Control in flat terrain and with light loads to maximize fuel efficiency.

Air Suspension System

To aid in attaching/detaching the trailer from the vehicle, the air suspension system can be used  page 133. Selecting Tow/Haul or connecting a trailer with an Integrated Trailer Brake Module (ITBM) will disable Automatic Aero mode to avoid height changes while towing and shifting loads or tongue weights.

NOTE:

The vehicle must remain in the engine running position while attaching a trailer for proper leveling of the air suspension system.

SNOWPLOW

Snowplow Prep Packages are available as a factory installed option. These packages include components necessary to equip your vehicle with a snowplow.

NOTE:

Before installation of a snowplow it is highly recommended that the owner/installer obtain and follow the recommendations contained within the current Body Builder's Guide. See an authorized dealer, installer or snowplow manufacturer for this information. There are unique electrical systems that must be connected to properly ensure operator safety and prevent overloading vehicle systems.

WARNING!

Attaching a snowplow to this vehicle could adversely affect performance of the airbag system in a collision. Do not expect that the airbag will perform as described earlier in this manual.

CAUTION!

The "Lamp Out" indicator could illuminate if exterior lamps are not properly installed.

BEFORE PLOWING

- Check the hydraulic system for leaks and proper fluid level.
- Check the mounting bolts and nuts for proper tightness.
- Check the runners and cutting edge for excessive wear. The cutting edge should be $\frac{1}{4}$ to $\frac{1}{2}$ inches (6 cm to 1.2 cm) above ground in snow plowing position.
- Check that snowplow lighting is connected and functioning properly.

SNOWPLOW PREP PACKAGE MODEL AVAILABILITY

For Information about snowplow applications visit ramtrucks.com or refer to the current rambodybuilder.com.

- The maximum number of occupants in the truck should not exceed one.
- The total GVWR, Front GAWR or the Rear GAWR should never be exceeded.
- Cargo capacity will be reduced by the addition of options or passengers, etc.

The loaded vehicle weight, including the snowplow system, all aftermarket accessories, driver, passengers, options, and cargo, must not exceed either the Gross Vehicle Weight (GVWR) or Gross Axle Weight (GAWR) ratings. These weights are specified on the Safety Compliance Certification Label on the driver's side door opening.

NOTE:

Detach the snowplow when transporting passengers.

Vehicle front end wheel alignment was set to specifications at the factory without consideration for the weight of the plow. Front end toe-in should be checked and reset if necessary at the beginning and end of the snowplow season. This will help prevent uneven tire wear.

The blade should be lowered whenever the vehicle is parked.

Maintain and operate your vehicle and snowplow equipment following the recommendations provided by the specific snowplow manufacturer.

OVER THE ROAD OPERATION WITH SNOWPLOW ATTACHED

The blade restricts air flow to the radiator and causes the engine to operate at higher than normal temperatures. Therefore, when transporting the plow, angle the blade completely and position it as low as road or surface conditions permit. Do not exceed 40 mph (64 km/h). The operator should always maintain a safe stopping distance and allow adequate passing clearance.

NOTE:

Lane Departure Warning / Lane Keep Assist is not available when a snow plow is attached.

RECREATIONAL TOWING (BEHIND MOTORHOME)

TOWING THIS VEHICLE BEHIND ANOTHER VEHICLE

Towing Condition	Wheels OFF The Ground	Four-Wheel Drive Models
Flat Tow	NONE	See Instructions <ul style="list-style-type: none">• Transmission in PARK• Transfer case in N (Neutral)• Tow in forward direction
Dolly Tow	Front	NOT ALLOWED
	Rear	NOT ALLOWED
On Trailer	ALL	OK

NOTE:

- When towing your vehicle, always follow applicable state and provincial laws. Contact state and provincial Highway Safety offices for additional details.

OPERATING TIPS

Under ideal snow plowing conditions, 20 mph (32 km/h) should be maximum operating speed. The operator should be familiar with the area and surface to be cleaned. Reduce speed and use extreme caution when plowing unfamiliar areas or under poor visibility.

GENERAL MAINTENANCE

Snowplows should be maintained in accordance with the plow manufacturer's instructions.

Keep all snowplow electrical connections and battery terminals clean and free of corrosion.

When plowing snow, to avoid transmission and drive-train damage, the following precautions should be observed:

- Operate with transfer case in 4WD LOW when plowing small or congested areas where speeds are not likely to exceed 15 mph (24 km/h). At higher speeds operate in 4WD HIGH.
- Vehicles with automatic transmissions should use 4WD LOW when plowing deep or heavy snow for extended periods of time to avoid transmission overheating.
- Do not shift the transmission unless the engine has returned to idle and wheels have stopped. Make a practice of stepping on the brake pedal while shifting the transmission.

- Vehicles equipped with Active-Level Four Corner Air Suspension must be placed in Transport mode before tying them down (from the body) on a trailer or flatbed truck ➡ page 133. If the vehicle cannot be placed in Transport mode (for example, engine

will not run), tie-downs must be fastened to the axles (not to the body). Failure to follow these instructions may cause fault codes to be set and/or cause loss of proper tie-down tension.

RECREATIONAL TOWING — FOUR-WHEEL DRIVE MODELS

NOTE:

The transfer case must be shifted into N (Neutral) for recreational towing. The transmission must be shifted into PARK for recreational towing. Refer to the following for the proper transfer case N (Neutral) shifting procedure for your vehicle.

CAUTION!

- DO NOT dolly tow any 4WD vehicle. Towing with only one set of wheels on the ground (front or rear) will cause severe transmission and/or transfer case damage. Tow with all four wheels either ON the ground, or OFF the ground (using a vehicle trailer).
- Tow only in the forward direction. Towing this vehicle backwards can cause severe damage to the transfer case.
- Before recreational towing, the transfer case must be in N (Neutral). To be certain the transfer case is fully in N (Neutral), perform the procedure outlined under "Shifting Into N (Neutral)". Internal transmission damage will result, if the transfer case is not in N (Neutral) during towing.
- The transmission must be in PARK for recreational towing.
- Ensure that the Electric Park Brake is released, and remains released, while being towed.

(Continued)

CAUTION!

- Towing this vehicle in violation of these listed requirements can cause severe transmission and/or transfer case damage. Damage from improper towing is not covered under the New Vehicle Limited Warranty.
- Do not disconnect the rear driveshaft because fluid will leak from the transfer case, causing damage to internal parts.
- Do not use a fascia/bumper-mounted clamp-on tow bar on your vehicle. The fascia/bumper face bar will be damaged.

Shifting Into N (Neutral)

Use the following procedure to prepare your vehicle for recreational towing.

WARNING!

You or others could be injured or killed if you leave the vehicle unattended with the transfer case in the N (Neutral) position without first fully engaging the parking brake. The transfer case N (Neutral) position disengages both the front and rear driveshafts from the powertrain and will allow the vehicle to roll, even if the transmission is in PARK. The parking brake should always be applied when the driver is not in the vehicle.

CAUTION!

It is necessary to follow these steps to be certain that the transfer case is fully in N (Neutral) before recreational towing to prevent damage to internal parts.

1. Bring the vehicle to a complete stop on level ground, with the engine running. Apply the parking brake.
2. Press and hold the brake pedal.
3. Shift the transmission to NEUTRAL. The driver's door must be closed (or the driver's seat belt buckled) so that the transmission will remain in NEUTRAL when the brake pedal is released.

NOTE:

If vehicle is equipped with air suspension, ensure the vehicle is set to Normal Ride Height.

4. Using a ballpoint pen or similar object, push and hold the recessed transfer case N (Neutral) button (at the center of the transfer case switches). The N (Neutral) indicator light will illuminate, and remain lit, when the shift to N (Neutral) is complete. After the shift is completed and the N (Neutral) light stays on, release the N (Neutral) button.
5. Release the parking brake.
6. Shift the transmission into REVERSE.
7. Release the brake pedal for five seconds and ensure that there is no vehicle movement.
8. Repeat steps 6 and 7 with the transmission in DRIVE.

9. Shift the transmission to NEUTRAL. Apply the parking brake. Turn off the engine. For vehicles with Keyless Enter 'n Go™, push and hold the ENGINE START/STOP button until the engine shuts off. The transmission will automatically select PARK when the engine is turned off.
10. Turn the ignition off.
11. Attach the vehicle to the tow vehicle using a suitable tow bar.
12. Turn the ignition to the ON/RUN mode, but do not start the engine.
13. Release the parking brake.
14. Turn the ignition OFF.

NOTE:

- Steps 2 and 3 are requirements that must be met before pushing the N (Neutral) button, and must continue to be met until the shift has been completed. If any of these requirements are not met before pushing the N (Neutral) button or are no longer met during the shift, the N (Neutral) indicator light will flash continuously until all requirements are met or until the N (Neutral) button is released.
- The ignition must be in the ON/RUN mode for a shift to take place and for the position indicator lights to be operable. If the ignition is not in the ON/RUN mode, the shift will not take place and no position indicator lights will be on or flashing.
- A flashing N (Neutral) position indicator light indicates that shift requirements have not been met.

- If the vehicle is equipped with air suspension, the engine should be started and left running for a minimum of 60 seconds (with all the doors closed) at least once every 24 hours. This process allows the air suspension to adjust the vehicle's ride height to compensate for temperature effects.

Shifting Out Of N (Neutral)

Use the following procedure to prepare your vehicle for normal usage:

1. Bring the vehicle to a complete stop, leaving it connected to the tow vehicle.
2. Press and hold the brake pedal.
3. Start the engine. Apply the parking brake. Shift the transmission into NEUTRAL.
4. Using a ballpoint pen or similar object, push and hold the recessed transfer case N (Neutral) button (at the center of the transfer case switches).
5. When the N (Neutral) indicator light turns off, release the N (Neutral) button.
6. Turn the engine off. The transmission will automatically select PARK when the engine is turned off.
7. Release the brake pedal.
8. Disconnect vehicle from the tow vehicle.
9. Press and hold the brake pedal.
10. Start the engine.
11. Release the parking brake.
12. Shift the transmission into DRIVE, release the brake pedal, and check that the vehicle operates normally.

NOTE:

- Steps 3 and 4 are requirements that must be met before pushing the button to shift out of N (Neutral), and must continue to be met until the shift has been completed. If any of these requirements are not met before pushing the button or are no longer met during the shift, the N (Neutral) indicator light will flash continuously until all requirements are met or until the button is released.
- The ignition must be in the ON/RUN mode for a shift to take place and for the position indicator lights to be operable. If the ignition is not in the ON/RUN mode, the shift will not take place and no position indicator lights will be on or flashing.
- A flashing N (Neutral) position indicator light indicates that shift requirements have not been met.

DRIVING TIPS**DRIVING ON SLIPPERY SURFACES****Acceleration**

Rapid acceleration on snow covered, wet, or other slippery surfaces may cause the driving wheels to pull erratically to the right or left. This phenomenon occurs when there is a difference in the surface traction under the rear (driving) wheels.

WARNING!

Rapid acceleration on slippery surfaces is dangerous. Unequal traction can cause sudden pulling of the rear wheels. You could lose control of the vehicle and possibly have a collision. Accelerate slowly and carefully whenever there is likely to be poor traction (ice, snow, wet, mud, loose sand, etc.).

DRIVING THROUGH WATER

Driving through water more than a few inches/centimeters deep will require extra caution to ensure safety and prevent damage to your vehicle.

Flowing/Rising Water

WARNING!

Do not drive on or across a road or path where water is flowing and/or rising (as in storm run-off). Flowing water can wear away the road or path's surface and cause your vehicle to sink into deeper water. Furthermore, flowing and/or rising water can carry your vehicle away swiftly. Failure to follow this warning may result in injuries that are serious or fatal to you, your passengers, and others around you.

Shallow Standing Water

Although your vehicle is capable of driving through shallow standing water, consider the following Cautions and Warnings before doing so.

WARNING!

- Driving through standing water limits your vehicle's traction capabilities. Do not exceed 5 mph (8 km/h) when driving through standing water.
- Driving through standing water limits your vehicle's braking capabilities, which increases stopping distances. Therefore, after driving through standing water, drive slowly and lightly press on the brake pedal several times to dry the brakes.
- Failure to follow these warnings may result in injuries that are serious or fatal to you, your passengers, and others around you.

CAUTION!

- Always check the depth of the standing water before driving through it. Never drive through standing water that is deeper than the bottom of the tire rims mounted on the vehicle.
- Determine the condition of the road or the path that is under water and if there are any obstacles in the way before driving through the standing water.
- Do not exceed 5 mph (8 km/h) when driving through standing water. This will minimize wave effects.
- Driving through standing water may cause damage to your vehicle's drivetrain components. Always inspect your vehicle's fluids (i.e., engine oil, transmission, axle, etc.) for signs of contamination (i.e., fluid that is milky or foamy in appearance) after driving through standing water. Do not continue to

(Continued)

CAUTION!

operate the vehicle if any fluid appears contaminated, as this may result in further damage. Such damage is not covered by the New Vehicle Limited Warranty.

- Getting water inside your vehicle's engine can cause it to lock up and stall out, and cause serious internal damage to the engine. Such damage is not covered by the New Vehicle Limited Warranty.

OFF-ROAD DRIVING TIPS

Care should be taken when attempting to climb steep hills or driving diagonally across a hill or slope. If natural obstacles force you to travel diagonally up or down a hill, choose a mild angle and keep as little side tilt as possible. Keep the vehicle moving and make turns slowly and cautiously.

If you must back down a hill, back straight down using REVERSE gear. Never back down in NEUTRAL or diagonally across the hill.

When driving over sand, mud, and other soft terrain, shift to low gear and drive steadily. Apply the accelerator slowly to avoid spinning the wheels.

Do not reduce the tire pressures for this type of driving.

After Driving Off-Road

Off-road operation puts more stress on your vehicle than does most on-road driving. After going off-road, it is always a good idea to check for damage. That way you can get any problems taken care of right away and have your vehicle ready when you need it.

- Completely inspect the underbody of your vehicle. Check tires, body structure, steering, suspension, and exhaust system for damage.
- Inspect the radiator for mud and debris and clean as required.
- Check threaded fasteners for looseness, particularly on the chassis, drivetrain components, steering, and suspension. Retighten them, if required, and torque to the values specified in the Service Manual.
- Check for accumulations of plants or brush. These things could be a fire hazard. They might hide damage to fuel lines, brake hoses, axle pinion seals, and propeller shafts.
- After extended operation in mud, sand, water, or similar dirty conditions, have the radiator, fan, brake rotors, wheels, brake linings, and axle yokes inspected and cleaned as soon as possible.

WARNING!

Abrasive material in any part of the brakes may cause excessive wear or unpredictable braking. You might not have full braking power when you need it to prevent a collision. If you have been operating your vehicle in dirty conditions, get your brakes checked and cleaned as necessary.

- If you experience unusual vibration after driving in mud, slush or similar conditions, check the wheels for impacted material. Impacted material can cause a wheel imbalance and freeing the wheels of it will correct the situation.

DRIVING TIPS — TRX

ON-ROAD DRIVING TIPS

Off-road trucks have higher ground clearance and increased suspension travel to make them capable of performing in a wide variety of off-road applications. Specific design characteristics give them a higher center of gravity than conventional passenger cars.

An advantage of the higher ground clearance is a better view of the road, allowing you to anticipate problems. They are not designed for cornering at the same speeds as conventional passenger cars any more than low-slung sports cars are designed to perform satisfactorily in off-road conditions. Avoid sharp turns or abrupt maneuvers. As with other vehicles of this type, failure to operate this vehicle correctly may result in loss of control or vehicle rollover.

OFF-ROAD DRIVING TIPS

The Basics Of Off-Road Driving

You will encounter many types of terrain driving off-road. You should be familiar with the terrain and area before proceeding. There are many types of surface conditions: hard-packed dirt, gravel, rocks, grass, sand, mud, snow and ice. Every surface has a different affect on your vehicle's steering, handling and traction. Controlling your vehicle is one of the keys to successful off-road driving, so always keep a firm grip on the steering

wheel and maintain a good driving posture. Avoid sudden accelerations, turns or braking. In most cases, there are no road signs, posted speed limits or signal lights. Therefore, you will need to use your own good judgment on what is safe and what is not. When on a trail, you should always be looking ahead for surface obstacles and changes in terrain. The key is to plan your future driving route while remembering what you are currently driving over.

WARNING!

Always wear your seat belt and firmly tie down cargo. Unsecured cargo can become projectiles in an off-road situation.

CAUTION!

Never park your vehicle over dry grass or other combustible materials. The heat from your vehicle exhaust system could cause a fire.

When To Use 4WD LOW

When off-road driving, shift into 4WD LOW for additional traction and control on slippery or difficult terrain, ascending or descending steep hills, and to increase low speed pulling power. This range should be limited to extreme situations such as deep snow, mud, steep inclines, or sand where additional low speed pulling power is needed. Vehicle speeds in excess of 55 mph (88 km/h) should be avoided when in 4WD LOW.

CAUTION!

Do not use 4WD LOW when operating the vehicle on dry pavement. Driveline hardware damage can result.

Simultaneous Brake And Throttle Operation

Many off-road driving conditions require the simultaneous use of the brake and throttle (two-footed driving). When climbing rocks, logs, or other stepped objects, using light brake pressure with light throttle will keep the vehicle from jerking or lurching. This technique is also used when you need to stop and restart a vehicle on a steep incline.

Driving In Snow, Mud And Sand

SNOW

In heavy snow or for additional control and traction at slower speeds, select SNOW mode from the TRX modes. This will optimize traction and stability in these conditions. Do not shift to a lower gear than necessary to maintain headway. Over-revving the engine can spin the wheels and traction will be lost. If you start to slow to a stop, try turning your steering wheel no more than a quarter turn quickly back and forth, while still applying throttle. This will allow the tires to get fresh traction and help maintain your momentum.

CAUTION!

On icy or slippery roads, do not downshift at high engine RPM or vehicle speeds, because engine braking may cause skidding and loss of control.

MUD

Deep mud creates a great deal of suction around the tires and is very difficult to get through. Select SAND/MUD mode from the TRX modes for optimum traction and maneuverability in these conditions. If you start to slow to a stop, try turning your steering wheel no more than a quarter turn quickly back and forth for additional traction. Mud holes pose an increased threat of vehicle damage and getting stuck. They are normally full of debris from previous vehicles getting stuck. As a good practice before entering any mud hole, get out and determine how deep it is, if there are any hidden obstacles and if the vehicle can be safely recovered if stuck.

SAND

Select MUD/SAND from the TRX modes. Soft sand is very difficult to travel through with full tire pressure. When crossing soft, sandy spots in a trail, maintain your vehicle's momentum and do not stop. The key to driving in soft sand is using the appropriate tire pressure, accelerating slowly, avoiding abrupt maneuvers and maintaining the vehicle's momentum. If you are going to be driving on large soft sandy areas or dunes, reduce your tire pressure to a minimum of 15 psi (103 kPa) to allow for a greater tire surface area. Reduced tire pressure will drastically improve your traction and handling while driving on the soft sand, but you must return the tires to normal air pressure before driving on pavement or other hard surfaces. Be sure you have a way to reinflate the tires prior to reducing the pressure.

CAUTION!

Reduced tire pressures may cause tire unseating and total loss of air pressure. To reduce the risk of tire unseating, while at a reduced tire pressure, reduce your speed and avoid sharp turns or abrupt maneuvers.

Crossing Obstacles (Rocks And Other High Points)

While driving off-road, you will encounter many types of terrain. These varying types of terrain bring different types of obstacles. Before proceeding, review the path ahead to determine the correct approach and your ability to safely recover the vehicle if something goes wrong. Keeping a firm grip on the steering wheel, bring the vehicle to a complete stop and then inch the vehicle forward until it makes contact with the object. Apply the throttle lightly while holding a light brake pressure and ease the vehicle up and over the object.

WARNING!

Crossing obstacles can cause abrupt steering system loading which could cause you to lose control of your vehicle.

USING A SPOTTER

There are many times where it is hard to see the obstacle or determine the correct path. Determining the correct path can be extremely difficult when you are confronting many obstacles. In these cases have someone guide you over, through, or around the obstacle.

Have the person stand a safe distance in front of you where they can see the obstacle, watch your tires and undercarriage, and guide you through.

CROSSING LARGE ROCKS

When approaching large rocks, choose a path which ensures you drive over the largest of them with your tires. This will lift your undercarriage over the obstacle. The tread of the tire is tougher and thicker than the side wall and is designed to take the abuse. Always look ahead and make every effort to cross the large rocks with your tires.

CAUTION!

- Never attempt to straddle a rock that is large enough to strike your axles or undercarriage.
- Never attempt to drive over a rock which is large enough to contact the door sills.

CROSSING A RAVINE, GULLY, DITCH, WASHOUT OR RUT

When crossing a ravine, gully, ditch, washout or a large rut, the angled approach is the key to maintaining your vehicle's mobility. Approach these obstacles at a 45-degree angle and let each tire go through the obstacle independently. You need to use caution when crossing large obstacles with steep sides. Do not attempt to cross any large obstacle with steep sides at an angle great enough to put the vehicle at risk of a rollover. If you get caught in a rut, dig a small trench to the right or left at a 45-degree angle ahead of the front tires. Use the removed dirt to fill the rut ahead of the turnout you just created. You should now be able to drive out following the trench you just created at a 45-degree angle.

WARNING!

There is an increased risk of rollover when crossing an obstacle, at any angle, with steep sides.

CROSSING LOGS

To cross a log, approach it at a slight angle (approximately 10 to 15 degrees). This allows one front tire to be on top of the log while the other just starts to climb the log. While climbing the log, modulate your brake and accelerator to avoid spinning the log out from under your tires. Then ease the vehicle off the log using your brakes.

CAUTION!

Do not attempt to cross a log with a greater diameter than the running ground clearance or the vehicle will become high-centered.

GETTING HIGH-CENTERED

If you get hung up or high-centered on an object, get out of the vehicle and try to determine what the vehicle is hung up on, where it is contacting the underbody and what is the best direction to recover the vehicle. Depending on what you are in contact with, jack the vehicle up and place a few rocks under the tires so the weight is off of the high point when you let the vehicle down. You can also try rocking the vehicle or winching the vehicle off the object.

CAUTION!

Winching or rocking the vehicle off hard objects increases the risk of underbody damage.

Hill Climbing

Hill climbing requires good judgment and a good understanding of your abilities and your vehicle's limitations. Hills can cause serious problems. Some are just too steep to climb and should not be attempted. You should always feel confident with the vehicle and your abilities. You should always climb hills straight up and down. Never attempt to climb a hill on an angle.

BEFORE CLIMBING A STEEP HILL

As you approach a hill, consider its grade or steepness. Determine if it is too steep. Look to see what the traction is on the hill side trail. Is the trail straight up and down? What is on top and the other side? Are there ruts, rocks, branches or other obstacles on the path? Can you safely recover the vehicle if something goes wrong? If everything looks good and you feel confident, shift the transmission into a lower gear with 4WD LOW engaged, and proceed with caution, maintaining your momentum as you climb the hill.

DRIVING UPHILL

Once you have determined your ability to proceed and have shifted into the appropriate gear, line your vehicle up for the straightest possible run. Accelerate with an easy constant throttle and apply more power as you start up the hill. Do not race forward into a steep grade; the abrupt change of grade could cause you to lose control. If the front end begins to bounce, ease off the throttle slightly to bring all four tires back on the ground. As you approach the crest of the hill, ease off the throttle and slowly proceed over the top. If the wheels start to slip as you approach the crest of a hill, ease off the accelerator and maintain headway by turning the steering wheel no more than a quarter turn quickly back and forth. This will provide fresh traction into the surface and will usually provide enough trac-

tion to complete the climb. If you do not make it to the top, place the vehicle in REVERSE and back straight down the grade using engine resistance along with the vehicle brakes.

WARNING!

Never attempt to climb a hill at an angle or turn around on a steep grade. Driving across an incline increases the risk of a rollover, which may result in severe injury.

DRIVING DOWNHILL

Before driving down a steep hill, you need to determine if it is too steep for a safe descent. What is the surface traction? Is the grade too steep to maintain a slow, controlled descent? Are there obstacles? Is it a straight descent? Is there plenty of distance at the base of the hill to regain control if the vehicle descends too fast? If you feel confident in your ability to proceed, then make sure you are in 4WD LOW and proceed with caution. Allow engine braking to control the descent and apply your brakes, if necessary, but do not allow the tires to lock.

WARNING!

Do not descend a steep grade in NEUTRAL. Use vehicle brakes in conjunction with engine braking. Descending a grade too fast could cause you to lose control and be seriously injured or killed.

DRIVING ACROSS AN INCLINE

If at all possible, avoid driving across an incline. If it is necessary, know your vehicle's abilities. Driving across an incline places more weight on the downhill wheels,

which increases the possibility of a downhill slide or rollover. Make sure the surface has good traction with firm and stable soils. If possible, transverse the incline at an angle heading slightly up or down.

WARNING!

Driving across an incline increases the risk of a rollover, which may result in severe injury.

IF YOU STALL OR BEGIN TO LOSE HEADWAY

If you stall or begin to lose headway while climbing a steep hill, allow your vehicle to come to a stop and immediately apply the brake. Restart the engine and shift into REVERSE. Back slowly down the hill allowing engine braking to control the descent and apply your brakes, if necessary, but do not allow the tires to lock.

WARNING!

If the engine stalls or you lose headway or cannot make it to the top of a steep hill or grade, never attempt to turn around. To do so may result in tipping and rolling the vehicle, which may result in severe injury. Always back carefully straight down a hill in REVERSE. Never back down a hill in NEUTRAL using only the vehicle brakes. Never drive diagonally across a hill, always drive straight up or down.

Driving Through Water

Extreme care should be taken crossing any type of water. Water crossings should be avoided, if possible, and only be attempted when necessary in a safe, responsible manner. Only drive through areas which are

designated and approved. Tread lightly and avoid damage to the environment. Know your vehicle's abilities and be able to recover it if something goes wrong. Never stop or shut a vehicle off when crossing deep water unless you ingested water into the engine air intake. If the engine stalls, do not attempt to restart it. Determine if it has ingested water first. The key to any crossing is low and slow. Shift into DRIVE, with the transfer case in the 4WD LOW position and proceed very slowly with a constant slow speed of (3 to 5 mph [5 to 8 km/h] maximum) and light throttle. Keep the vehicle moving; do not try to accelerate through the crossing. After crossing any water higher than the bottom of the axle differentials, inspect all of the vehicle fluids for signs of water ingestion.

CAUTION!

- Water ingestion into the axles, transmission, transfer case, engine or vehicle interior can occur if you drive too fast or through too deep of water. Water can cause permanent damage to engine, driveline or other vehicle components, and your brakes will be less effective once wet and/or muddy.
- When driving through water, do not exceed 5 mph (8 km/h). Always check water depth before entering as a precaution, and check all fluids afterward. Driving through water may cause damage that may not be covered by the New Vehicle Limited Warranty.

BEFORE YOU CROSS ANY TYPE OF WATER

As you approach any type of water, you need to determine if you can cross it safely and responsibly. If necessary, get out and walk through the water or probe it with a stick. You need to be sure of its depth, approach

angle, current and bottom condition. Be careful of murky or muddy waters; check for hidden obstacles. Make sure you will not be intruding on any wildlife, and you can recover the vehicle if necessary. The key to a safe crossing is the water depth, current and bottom conditions. On soft bottoms, the vehicle will sink in, effectively increasing the water level on the vehicle. Be sure to consider this when determining the depth and the ability to safely cross.

CROSSING PUDDLES, POOLS, FLOODED AREAS OR OTHER STANDING WATER

Puddles, pools, flooded or other standing water areas normally contain murky or muddy waters. These water types normally contain hidden obstacles and make it difficult to determine an accurate water depth, approach angle, and bottom condition. Murky or muddy water holes are where you want to hook up tow straps prior to entering. This makes for a faster, cleaner and easier vehicle recovery. If you are able to determine you can safely cross, then proceed using the low and slow method.

CAUTION!

Muddy waters can reduce the cooling system effectiveness by depositing debris onto the radiator.

CROSSING DITCHES, STREAMS, SHALLOW RIVERS OR OTHER FLOWING WATER

Flowing water can be extremely dangerous. Never attempt to cross a fast running stream or river even in shallow water. Fast moving water can easily push your vehicle downstream, sweeping it out of control. Even in very shallow water, a high current can still wash the dirt out from around your tires putting you and your vehicle

in jeopardy. There is still a high risk of personal injury and vehicle damage with slower water currents in depths greater than the vehicle's running ground clearance. You should never attempt to cross flowing water which is deeper than the vehicle's running ground clearance. Even the slowest current can push the heaviest vehicle downstream and out of control if the water is deep enough to push on the large surface area of the vehicle's body. Before you proceed, determine the speed of the current, the water's depth, approach angle, bottom condition and if there are any obstacles. Then cross at an angle heading slightly upstream using the low and slow technique.

WARNING!

Never drive through fast moving deep water. It can push your vehicle downstream, sweeping it out of control. This could put you and your passengers at risk of injury or drowning.

After Driving Off-Road

Off-road operation puts more stress on your vehicle than does most on-road driving. After going off-road, it is always a good idea to check for damage. That way you can get any problems taken care of right away and have your vehicle ready when you need it.

- Completely inspect the underbody of your vehicle. Check tires, body structure, steering, suspension, and exhaust system for damage.
- Inspect the radiator for mud and debris and clean as required.

- Check threaded fasteners for looseness, particularly on the chassis, drivetrain components, steering, and suspension. Retighten them, if required, and torque to the values specified in the Service Manual.
- Check for accumulations of plants or brush. These things could be a fire hazard. They might hide damage to fuel lines, brake hoses, axle pinion seals, and propeller shafts.
- After extended operation in mud, sand, water, or similar dirty conditions, have the radiator, fan, brake rotors, wheels, brake linings, and axle yokes inspected and cleaned as soon as possible.

WARNING!

Abrasive material in any part of the brakes may cause excessive wear or unpredictable braking. You might not have full braking power when you need it to prevent a collision. If you have been operating your vehicle in dirty conditions, get your brakes checked and cleaned as necessary.

- If you experience unusual vibration after driving in mud, slush or similar conditions, check the wheels for impacted material. Impacted material can cause a wheel imbalance and freeing the wheels of it will correct the situation.

MULTIMEDIA

UCONNECT SYSTEMS

For detailed information about your Uconnect 5/5 NAV With 8.4-inch Display system or your Uconnect 5 NAV With 12-inch Display system, refer to your Uconnect Radio Instruction Manual.

NOTE:

Uconnect screen images are for illustration purposes only and may not reflect exact software for your vehicle.

CYBERSECURITY

Depending on applicability, your vehicle may be able to send or receive information from a wired or wireless network. This information allows systems and features in your vehicle to function properly.

Your vehicle may be equipped with certain security features to reduce the risk of unauthorized and unlawful access to vehicle systems and wireless communications. Vehicle software technology continues to evolve over time and FCA, working with its suppliers, evaluates and takes appropriate steps as needed. As always, if you experience unusual behavior, contact an authorized dealer immediately or ➞ page 343.

The risk of unauthorized and unlawful access to your vehicle systems may still exist, even if the most recent version of vehicle software (such as Uconnect software) is installed.

WARNING!

- ONLY insert trusted devices/components into your vehicle. Media of unknown origin could possibly contain malicious software, and if installed in your vehicle, it may increase the possibility for vehicle systems to be breached.
- As always, if you experience unusual vehicle behavior, take your vehicle to an authorized dealer immediately.

UCONNECT SETTINGS

The Uconnect system uses a combination of buttons on the touchscreen and buttons on the faceplate located on the center of the instrument panel. These buttons allow you to access and change the Customer Programmable Features. Many features can vary by vehicle.

Buttons on the faceplate are located below and/or beside the Uconnect system in the center of the instrument panel. In addition, there is a SCROLL/ENTER control knob located on the right side. Turn the control knob to scroll through menus and change settings. Push the center of the control knob one or more times to select or change a setting.

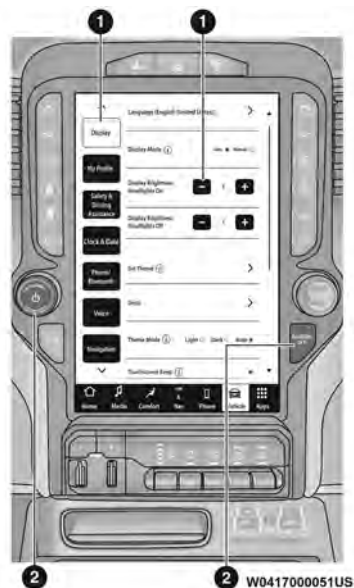
Your Uconnect system may also have SCREEN OFF and MUTE buttons on the faceplate.

Push the SCREEN OFF button on the faceplate to turn off the Uconnect screen. Push the button again or tap the screen to turn the screen on.

Press the Back Arrow button to exit out of a Menu or certain option on the Uconnect system.

For the Uconnect 5 systems, push and hold the Power button on the radio's faceplate for a minimum of 15 seconds to reset the radio.

CUSTOMER PROGRAMMABLE FEATURES



Uconnect 5 NAV With 12-inch Display Touchscreen And Faceplate Buttons

- 1 — Uconnect Buttons On The Touchscreen
 2 — Uconnect Buttons On The Faceplate

For the Uconnect 5 systems, press the Vehicle button, then press the Settings tab at the top of the touchscreen. In this menu, the Uconnect system allows you to access all of the available programmable features.

NOTE:

- Only one touchscreen may be selected at a time.
- Depending on the vehicle's options, feature settings may vary.

When making a selection, only press one button at a time to enter the desired menu. Once in the desired menu, press and release the preferred setting option until a check mark appears next to the setting, showing that setting has been selected. Once the setting is complete, press the X button on the touchscreen to close out of the settings screen. Pressing the Up or Down Arrow button on the right side of the screen will allow you to toggle up or down through the available settings.


My Profile

When the My Profile button is pressed on the touchscreen, the system displays options related to the vehicle's profiles.

NOTE:

Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
Language	This setting will change the language of the Uconnect system and Instrument Cluster Display for some languages. The available languages are Japanese, German, Português Brasileiro, Deutsch, English, Español, Français, Italiano, Nederlands, Polski, Türk, Русский, and Arabic.
Display Mode	This setting will adjust the display for the radio to "Auto" or "Manual". "Manual" allows for more customization with the radio display.
Display Brightness Headlights On	This setting will allow you to set the brightness when the headlights are on. To access this setting, Display Mode must be set to "Manual". The "+" setting will increase the brightness; the "-" will decrease the brightness.
Display Brightness Headlights Off	This setting will allow you to set the brightness when the headlights are off. To access this setting, Display Mode must be set to "Manual". The "+" setting will increase the brightness; the "-" will decrease the brightness.
Set Theme	This setting will allow you to change the display theme.
Units	This setting will allow you to change the units to "US", "Metric", or "Custom". The available options within Custom are "Speed" (MPH or km/h), "Distance" (mi or km), "Fuel Consumption" (MPG [US], MPG [UK], L/100 km, or km/L), "Pressure" (psi, kPa, or bar), "Temperature" (°C or °F), "Power" (HP [US], Gal HP [UK], or kW), and "Torque" (lb-ft or Nm) units of measurement independently.
Theme Mode	This setting will allow you to adjust the brightness of your theme. Setting options are "Light", "Dark" and "Auto". Select to show themes in Light or Dark mode. "Auto" changes the theme with the headlights.
Touchscreen Beep	This setting will allow you to turn the touchscreen beep on or off.
Show Main Category Bar Labels	This setting will allow the main category bar labels to be shown on or off.
Navigation Next Turn Pop-ups Displayed in Cluster	This setting will display navigation prompts in the Instrument Cluster Display.
Phone Pop-ups Displayed In Cluster	This setting will display smartphone notifications and messages in the Instrument Cluster Display.
Time Format	This setting will allow you to set the time format (AM/PM). Sync Time With GPS must be "Off" for this setting to be available. The "12 hrs" setting will set the time to a 12-hour format. The "24 hrs" setting will set the time to a 24-hour format.
Voice Options	This setting will allow you to change the voice options for the radio to "Male" or "Female".
Wake Up Word	This setting will allow you to set the system "Wake Up" word. The available options are "Off", "Hey, Uconnect", and "Hey, Ram".

Setting Name	Description
Voice Barge-in	This setting will allow Voice Barge-in to be turned on or off.
Show Command List	This setting will allow the Command List to be shown. The options are "On" and "Off".
Navigation Settings	This setting will redirect to the list of Navigation settings. Refer to your Uconnect Radio Instruction Manual for further information.
Auto-On Driver Heated/Ventilated Seat & Heated Steering Wheel	This setting will activate the vehicle's comfort system and heated seats or heated steering wheel when the vehicle is remote started or ignition is started. The "Off" setting will not activate the comfort systems. The "Remote Start" setting will only activate the comfort systems when using Remote Start. The "All Start" setting will activate the comfort systems whenever the vehicle is started.
Radio Power Off	This setting will keep certain electrical features running after the engine is turned off. When any door is opened, the electronics will deactivate. The available settings are "0 sec", "45 sec", "5 min", and "10 min".
Radio Off With Door	This setting will allow you to determine if the radio shuts off when any of the doors are opened.
Audio Settings	This setting will open the submenu, containing the audio settings  page 203.
App Drawer Favoriting Pop-ups	This setting will allow you to favorite app drawer pop-ups with "On" and "Off" options.
App Drawer Unfavoritings Pop-ups	This setting will allow you to unfavorite app drawer pop-ups with "On" and "Off" options.
New Text Message Pop-ups	This setting will allow you to have pop-up notifications for new text messages. Setting options are "On" and "Off".
Missed Calls Message	This setting will allow you to have pop-up notifications for missed calls. Setting options are "On" and "Off".
Navigation Pop-ups	This setting will allow you to have pop-up notifications for Navigation. Setting options are "On" and "Off".
Reset App Drawer to Default Order	This setting will reset the app drawer to its factory default layout.
Restore Settings to Default	This setting will return all the previously changed settings to their factory defaults.
Trip B	This setting will turn the Trip B feature in the cluster on or off.
Audio Info On Cluster	This setting will turn the audio info on the cluster on or off.
Digital Speed On All Cluster Screens	This setting will show the digital speedometer on all cluster screens.
Consumption Bar On Cluster Screen	This setting will show the digital fuel consumption bar on all cluster screens.
Custom Areas On Cluster	This setting will allow you to customize the information displayed on the cluster.
Head Up Display	This setting will turn the Head Up Display (HUD) on or off.
HUD Brightness	This setting will adjust the brightness of the Head Up Display.
HUD Height	This setting will adjust the Head Up Display height.
HUD Content	This setting will adjust the amount of content displayed on the Head Up Display. The available options are "Simple", "Standard", and "Advanced".

Setting Name	Description
Audio Repetition	This setting will turn the system audio repetition on or off.
More Profile Options	This setting will give access to more profile options.

Display

When the Display button is pressed on the touchscreen, the system will display the options related to the theme (if equipped), brightness, and color of the touchscreen. The available settings are:

NOTE:

Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
Language	This setting will change the language of the Uconnect system and Instrument Cluster Display for some languages. The available languages are Japanese, German, Português Brasileiro, Deutsch, English, Español, Français, Italiano, Nederlands, Polski, Türk, Русский, and Arabic.
Display Mode	This setting will allow you to set the brightness manually or have the system set it automatically. The "Auto" setting has the system automatically adjust the display brightness. The "Manual" setting will allow the user to adjust the brightness of the display.
Display Brightness With Headlights ON/Brightness	This setting will allow you to set the brightness when the headlights are on. To access this setting, Display Mode must be set to Manual. The "+" setting will increase the brightness; the "-" will decrease the brightness.
Display Brightness With Headlights OFF/Brightness	This setting will allow you to set the brightness when the headlights are off. To access this setting, Display Mode must be set to Manual. The "+" setting will increase the brightness; the "-" will decrease the brightness.
Set Theme	This setting will allow you to change the display theme.
Units	This setting will allow you to change the units. The available options are "Speed" (MPH or km/h), "Distance" (mi or km), "Fuel Consumption" (MPG [US], MPG [UK], L/100 km, or km/L), "Pressure" (psi, kPa, or bar), "Temperature" (°C or °F), "Power" (HP [US], Gal HP [UK], or kW), and "Torque" (lb-ft or Nm) units of measurement independently.
Theme Mode	This setting will allow you to adjust the brightness of your theme. Setting options are "Light", "Dark" and "Auto". Select to show themes in Light or Dark mode. "Auto" changes the theme with the headlights.
Touchscreen Beep	This setting will allow you to turn the touchscreen beep on or off.
Control Screen Timeout	This setting allows you to set the Control Screen to turn off automatically after five seconds or stay open until manually closed.

Setting Name	Description
Navigation Next Turn Pop-ups Displayed in Cluster	This setting will display navigation prompts in the Instrument Cluster Display.
Phone Pop-ups Displayed In Cluster	This setting will display smartphone notifications and messages in the Instrument Cluster Display.
Fuel Saver Display	This setting will enable fuel saver mode in the Instrument Cluster Display.
Ready To Drive Pop-ups	This setting will enable the Ready To Drive Pop-ups in the Instrument Cluster Display.

Safety/Driving Assistance

When the Safety/Driving Assistance button is selected on the touchscreen, the system displays the options related to the vehicle's safety settings. These options will differ depending on the features equipped on the vehicle. The settings may display in list form or within subfolders on the screen. To access a subfolder, select the desired folder; the available options related to that feature will then display on the screen.

NOTE:

Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
Forward Collision Warning Sensitivity — Located in Automatic Emergency Braking Submenu	This setting will change the distance at which the Forward Collision Warning (FCW) alert sounds. The "Medium" setting will have the FCW system signal when an object is in view, and the possibility of a collision is detected. The "Near" setting will have the FCW system signal when the object is closer to the vehicle. The "Far" setting will have the FCW system signal when an object is at a far distance from the vehicle.
Forward Collision Warning — Located in Automatic Emergency Braking Submenu	This setting will turn the Forward Collision Warning system on or off. The "Off" setting will deactivate the FCW system. The "Warning Only" setting will provide only an audible chime when a collision is detected. The "Warning + Active Braking" setting will provide an audible chime and apply some brake pressure when a collision is detected.
Pedestrian Emergency Braking — Located in Automatic Emergency Braking Submenu	This setting will turn the Pedestrian Emergency Braking system on or off.
LaneSense Warning	This setting will change the distance at which the steering wheel will provide lane departure feedback. The available settings are "Early", "Medium", and "Late".
LaneSense Strength	This setting will change the strength of the steering wheel feedback during a lane departure. The available settings are "Low", "Medium", and "High".

Setting Name	Description
ParkSense	This setting will change the type of ParkSense alert when a close object is detected and can provide both an audible chime and a visual display.
Front ParkSense Volume	This setting adjusts the volume of the Front ParkSense system. The available settings are “Low”, “Medium”, and “High”.
Rear ParkSense Volume	This setting adjusts the volume of the Rear ParkSense system. The available settings are “Low”, “Medium”, and “High”.
Rear ParkSense Braking Assist	This setting will turn the Rear ParkSense Braking Assist on or off.
Blind Spot Alert	This setting will change the type of alert provided when an object is detected in a vehicle’s blind spot. The “Off” setting will turn off Blind Spot Alert. The “Lights” setting will activate the Blind Spot Alert lights on the outside mirrors. The “Lights & Chime” setting will activate both the lights on the outside mirrors and an audible chime.
Trailer Length For Blind Spot Alert	This setting will auto detect the length of an attached trailer. The “Auto” setting will have the system automatically set the trailer length. The “Max” setting will always set the length to the maximum 39.5 ft (12 m).
Hill Start Assist	This setting will turn the Hill Start Assist system on or off.
ParkView Backup Camera Delay	This setting will add a timed delay to the ParkView Backup Camera when shifting out of REVERSE.
ParkView Backup Camera Active Guidelines	This setting will turn the ParkView Backup Camera Active Guidelines on or off.
ParkView Backup Camera Fixed Guidelines	This setting will turn the ParkView Backup Camera Fixed Guidelines on or off.
Tire Fill Assist	This setting will turn Tire Fill Assist on or off.
Power Side Steps	This setting will raise and lower or stow the power side steps. The available options are “Automatic” to raise and lower the power side steps and “Stow” to deactivate the power side steps.
Rear Seat Alert	When this setting is turned on and the rear doors are opened while the engine is running, or if the engine is turned on within 10 minutes of the door opening, a message will appear to check the rear seat when the vehicle is powered off.
ParkSense Front Camera Activation	This setting will allow you to enable or disable the front camera when an obstacle is detected.

Clock

When the Clock button is pressed on the touchscreen, the system displays the different options related to the vehicle's internal clock.

NOTE:

Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
Sync Time With GPS	This setting will sync the time to the GPS receiver in the system. The system will control the time via the GPS location.
Set Time And Format/Time Format	This setting will allow you to set the time format (AM/PM). Sync Time With GPS must be off for this setting to be available. The "12 hrs" setting will set the time to a 12-hour format. The "24 hrs" setting will set the time to a 24-hour format.
Set Time Hours	This setting will allow you to set the hours. Sync Time With GPS must be off for this setting to be available. The "+" setting will increase the hours. The "-" setting will decrease the hours.
Set Time Minutes	This setting will allow you to set the minutes. Sync Time With GPS must be off for this setting to be available. The "+" setting will increase the minutes. The "-" setting will decrease the minutes.
Show Time in Status Bar	This setting will place the time in the radio's status bar.
Show Time and Date During Screen Off	This setting will allow you to show the time and date while the screen is off. Available options are "On" and "Off".

Phone/Bluetooth®

When the Phone/Bluetooth® button is pressed on the touchscreen, the system displays the options related to Bluetooth® connectivity from an external audio device or smart-phone. The list of paired audio devices or smartphones can be accessed from this menu.

NOTE:

Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
Device Manager	This setting will open the Device Manager main screen.
Do Not Disturb All	This setting will open the Do Not Disturb Settings menu. The available options are "On" and "Off".
Enable Two Active Phones	This setting will enable or disable two active phones within the vehicle. The setting options are "On" and "Off".
Phone Pop-Ups Displayed In Cluster	This setting will activate phone message pop-ups in the Instrument Cluster Display.

Voice

When the Voice button is pressed on the touchscreen, the system displays the options related to the vehicle’s Voice Recognition feature.

NOTE:
Depending on the vehicle’s options, feature settings may vary.

Setting Name	Description
Voice Options	This setting will allow you to change the system’s voice to either “Male” or “Female”.
Wake Up Word	This setting will allow you to set the system’s “Wake Up” word. The available options are “Off”, “Hey, Uconnect”, and “Hey, Ram”.
Voice Barge-In	This setting allows you to respond to a Voice Response before the statement is completed by the system. The available options are “On” and “Off”.
Show Command List	This setting will allow you to turn the Command List on or off. The “Always” setting will always show the Command List. The “With Help” setting will show the Command List and provide a brief description of what the command does. The “Never” setting will turn the Command List off.

Navigation

When the Navigation button is pressed on the touchscreen, the system displays options related to the vehicle’s built-in Navigation system. These settings can change which icons display on the map, how “time to arrival is calculated”, and route types.
For more information on Navigation and settings, refer to your Uconnect Radio Instruction Manual.

NOTE:
Depending on the vehicle’s options, feature settings may vary.

Trailer Brake/Trailer — If Equipped

When the Trailer Brake/Trailer button is pressed on the touchscreen, the system will display settings related to trailer towing.

NOTE:

Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
Auto Trailer Light Check	This setting can be used to check the trailer lights when the trailer is electrically connected to the vehicle. The available options are "On" and "Off".
Trailer 1	Options for each Trailer are "Use This Trailer", "Braking" (Light Electric, Heavy Electric, Light Electric Over Hydraulic, and Heavy Electric Over Hydraulic), "Trailer Name", and "Tire Pressure" (Setup All Tires, Replace Single Tire, Set Target Tire Pressure, and Delete Tire Settings).
Trailer 2	Options for each Trailer are "Use This Trailer", "Braking" (Light Electric, Heavy Electric, Light Electric Over Hydraulic, and Heavy Electric Over Hydraulic), "Trailer Name", and "Tire Pressure" (Setup All Tires, Replace Single Tire, Set Target Tire Pressure, and Delete Tire Settings).
Trailer 3	Options for each Trailer are "Use This Trailer", "Braking" (Light Electric, Heavy Electric, Light Electric Over Hydraulic, and Heavy Electric Over Hydraulic), "Trailer Name", and "Tire Pressure" (Setup All Tires, Replace Single Tire, Set Target Tire Pressure, and Delete Tire Settings).
Trailer 4	Options for each Trailer are "Use This Trailer", "Braking" (Light Electric, Heavy Electric, Light Electric Over Hydraulic, and Heavy Electric Over Hydraulic), "Trailer Name", and "Tire Pressure" (Setup All Tires, Replace Single Tire, Set Target Tire Pressure, and Delete Tire Settings).
Trailer Surround Camera	This setting will let you access options related to the "Trailer Surround Camera".
Trailer Select	Select from "Trailer 1", "Trailer 2", "Trailer 3", and "Trailer 4". These trailer designations can be used to save different trailer settings.
Trailer Brake Type	This setting will set the system to a specific trailer type. The available options are "Light Electric", "Heavy Electric", "Light Electric Over Hydraulic", and "Heavy Electric Over Hydraulic".
Trailer Name	This setting will personalize the trailer name depending on the type of trailer you are hauling. Select the trailer name from the following list: trailer, boat, car, cargo, dump, equipment, flatbed, gooseneck, horse, livestock, motorcycle, snowmobile, travel, utility, and 5th wheel.

Camera

When the Camera button is pressed on the touchscreen, the system displays the options related to the vehicle's camera features.

NOTE:
Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
Surround View Camera Delay	This setting will add a timed delay to the Surround View Camera when shifting out of REVERSE.
Surround View Camera Guidelines	This setting will turn the Surround View Camera Guidelines on or off.
ParkView Backup Camera Delay	This setting will add a timed delay to the ParkView Backup Camera when shifting out of REVERSE.
ParkView Backup Camera Active Guidelines	This setting will turn the ParkView Backup Camera Active Guidelines on or off.
ParkView Backup Camera Fixed Guidelines	This setting will turn the ParkView Backup Camera Fixed Guidelines on or off.
Turn Signal Activated Blind Spot View	For vehicles not equipped with towing, this setting will allow you to enable or disable the turn signal blind spot view. For vehicles equipped with towing, the selectable options are "Off", "On", and "Only with Trailer".

Mirrors & Wipers

When the Mirrors & Wipers button is pressed on the touchscreen, the system displays the options related to the vehicle's mirrors and wipers.

NOTE:
Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
Tilt Side Mirrors In Reverse	This setting will tilt the outside side-view mirrors when the ignition is in the ON/RUN position and the transmission gear selector is in the REVERSE position. The mirrors will move back to their previous position when the transmission is shifted out of REVERSE. The available settings are "On" and "Off".
Rain Sensing Auto Wipers	This setting will turn the Rain Sensing Auto Wipers on or off.
Headlights With Wipers	This setting will turn the headlights on when the wipers are activated.

Lights

When the Lights button is pressed on the touchscreen, the system displays the options related to the vehicle’s exterior and interior lights.

NOTE:

- When the “Daytime Running Lights” feature is selected, the daytime running lights can be turned on or off. This feature is only allowed by law in the country of the vehicle purchase.
- Depending on the vehicle’s options, feature settings may vary.

Setting Name	Description
Headlight Off Delay	This setting will allow you to set the amount of time it takes for the headlights to shut off after the vehicle is turned off. The available settings are “0 sec”, “30 sec”, “60 sec”, and “90 sec”.
Headlight Illumination On Approach	This setting will allow you to set the amount of time it takes for the headlights to shut off after the vehicle is unlocked. The available settings are “0 sec”, “30 sec”, “60 sec”, and “90 sec”.
Headlights with Wipers	This setting will turn the headlights on when the wipers are activated.
Daytime Running Lights	This setting will allow you to turn the Daytime Running Lights on or off.
Flash Lights With Lock	This setting will allow you to turn the flashing of the lights when the Lock button is pushed on the key fob on or off.
Auto Dim High Beams	This setting will allow you to turn the Auto Dim High Beams on or off.
Steering Directed Headlights	This setting will turn the Steering Directed Headlights on or off.
Headlight Dip	This setting will lower the headlights when driving on the opposite side of the road.

Brakes

After pressing the Brakes button on the touchscreen, the following settings will be available:

NOTE:

Depending on the vehicle’s options, feature settings may vary.

Setting Name	Description
Auto Park Brake	This setting will turn the Auto Park Brake on or off.
Brake Service	This setting will allow you to retract the brakes for servicing.

Doors & Locks

When the Doors & Locks button is pressed on the touchscreen, the system displays the options related to locking and unlocking the vehicle's doors.

NOTE:

Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
Auto Door Locks	This setting will allow you to change if the doors lock automatically when the vehicle reaches 15 mph (24 km/h).
Auto Unlock On Exit	This setting will unlock the doors when any of the doors are opened from the inside.
Flash Lights With Lock	This setting will allow you to turn the flashing of the lights when the Lock button is pushed on the key fob on or off.
Sound Horn With Lock	This setting will sound the horn when the Lock button is pushed on the key fob. The "Off" setting will not sound the horn when the Lock button is pushed. The "1st Press" setting will sound the horn when the Lock button is pushed once. The "2nd Press" setting will sound the horn when the Lock button is pushed twice.
Sound Horn With Remote Start	This setting will sound the horn when the remote start is activated from the key fob.
Remote Door Unlock, Door Lock/1st Press Of Key Fob Unlocks	This setting will change how many pushes of the Unlock button on the key fob are needed to unlock all the doors. The "Driver Door" setting will only unlock the driver door on the first push on the Unlock button. The "All Doors" setting will unlock all doors with only one push of the Unlock button.
Passive Entry	This setting will allow you to turn the Passive Entry feature (Keyless Enter 'n Go™) on or off.
Personal Settings Linked To Key Fob	This setting will recall preset radio stations and driver seat position that have been linked to the key fob.

Seats & Comfort/Auto-On Comfort Systems

When Seats & Comfort/Auto-On Comfort Systems button is pressed on the touchscreen, the system displays the options related to the vehicle's comfort systems when remote start has been activated or the vehicle has been started.

NOTE:

Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
Auto-On Driver Heated/Ventilated Seat & Heated Steering Wheel With Vehicle Start	This setting will activate the vehicle's comfort systems and heated seats or heated steering wheel when the vehicle is remote started or ignition is started. The "Off" setting will not activate the comfort systems. The "Remote Start" setting will only activate the comfort systems when using Remote Start. The "All Start" setting will activate the comfort systems whenever the vehicle is started.
Easy Exit Seats	This setting will automatically move the driver seat rearward when the engine is shut off. The available settings are "On" and "Off".

Key Off Options/Engine Off Options

When the Key Off Options/Engine Off Options button is pressed on the touchscreen, the system displays the options related to vehicle shutoff. These settings will only activate when the ignition is set to OFF.

NOTE:

Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
Easy Exit Seat	This setting adjusts the seats to make exiting the vehicle easier.
Key Off Power Delay/Engine Off Power Delay	This setting will keep certain electrical features running after the engine is turned off. When any door is opened, the electronics will deactivate. The available settings are "0 sec", "45 sec", "5 min", and "10 min".
Headlight Off Delay	This setting will allow you to set the amount of time it takes for the headlights to shut off after the vehicle is turned off. The available settings are "0 sec", "30 sec", "60 sec", and "90 sec".

Suspension/Air Suspension

When the Suspension/Air Suspension button is pressed on the touchscreen, the system will display settings related to the vehicle's air suspension.

NOTE:

Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
Sound Horn With Remote Lower	This setting will sound the horn when the Lower button is pressed on the key fob.
Flash Lights With Remote Lower	This setting will flash the lights when the Lower button is pressed on the key fob.
Display Suspension Messages	This setting will display suspension messages in the Instrument Cluster Display. The "All" setting will display all available messages. The "Warnings Only" setting will only display warning messages.
Aero Mode	This setting will automatically adjust the vehicle ride height depending on the vehicle speed.
Tire Jack Mode	This setting will disable the Air Suspension system to assist in changing a spare tire.
Transport Mode	This setting will lower the vehicle to Entry/Exit height and then disable the Air Suspension system for flat towing.
Wheel Alignment Mode	This setting must be activated before performing a wheel alignment, which will move the vehicle to normal ride height and then disable the Air Suspension system. Contact an authorized dealer for further information.

Setting Name	Description
Four Corner Air Suspension Modes	There are three air suspension modes designed to protect the system in unique situations. Tire Jack Mode is selected to assist in changing a spare tire. Transport Mode is selected to assist when the vehicle is being flat bed towed. Wheel Alignment Mode is selected before performing a wheel alignment. Contact an authorized dealer for further information.

AUX Switches

When the AUX Switches button is pressed on the touchscreen, the system displays the options related to the six vehicle AUX switches.

NOTE:
Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
AUX 1-6	This setting will adjust the type and power source for the six vehicle AUX switches. There are two types: "Latching" and "Momentary". The power source for the AUX switches can either be set to run off the "Battery" or from the "Ignition". In addition to setting the type and power source, you can set if the vehicle will recall the previous state at which the AUX switches were set. The Recalled Last State setting can be set to "On" or "Off". Last state conditions are met only if the type is set to Latching and the power source is set to Ignition.

Audio

When the Audio button is pressed on the touchscreen, the system displays options related to the vehicle's sound system. These settings can change the audio location within the vehicle, adjust the bass or treble levels, and auto-play settings from an audio device or smartphone.

NOTE:
Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
Balance/Fade	This setting will adjust audio levels from specific speakers in the front/back and left/right of the vehicle. The Speaker icon can be moved to set audio location.
Equalizer	This setting will adjust the "Bass", "Mid", and "Treble" ranges of the audio.
Speed Adjusted Volume	This setting will adjust audio volume as speeds increase. At a higher setting, the volume will increase more as the vehicle speeds up. The available settings are "Off", "1", "2", and "3".

Setting Name	Description
Surround Sound	This setting will turn the Surround Sound system on or off.
AUX Volume Offset	This setting will tune the audio levels from a device connected through the AUX port. The available settings are “+” and “-”.
Auto Play	This setting will automatically begin playing audio from a connected device.
Loudness	This setting will improve audio quality at lower volumes.

Notifications

When the Notifications button is pressed on the touchscreen, the system displays the options related to Notifications for the system.

NOTE:

Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
App Drawer Favoriting Pop-Ups	This setting turns the App Favorited pop-up on or off.
App Drawer Unfavoriting Pop-Ups	This setting turns the App Unfavorited pop-up on or off.
New Text Message Pop-Ups	This setting turns receiving/storing a pop-up for new text messages from any connected phone on or off.
Missed Calls Message	This setting turns receiving/storing a pop-up for missed calls from any connected phone on or off.
Navigation Pop-Ups	This setting turns receiving/storing predictive Navigation pop-ups on or off.

Software Updates

When the Software Updates button is pressed on the touchscreen, the system will display the setting related to updating the Uconnect software.

NOTE:

Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
Software Downloads over Wi-Fi	This setting will allow software updates to happen over Wi-Fi. Selectable options for the setting are “On” and “Off”.

Reset/Restore Settings To Default

When the Reset/Restore Settings To Default button is pressed on the touchscreen, the system displays the options related to resetting the Uconnect system back to its default settings. These settings can clear personal data and reset selected settings from other menus.

NOTE:
Depending on the vehicle's options, feature settings may vary.

Setting Name	Description
Restart Radio	This setting will reboot the radio.
Reset Performance Values	This setting will reset your vehicle's performance values.
Reset Apps Drawer To Default Order	This setting will return the apps drawer to the default order. The available options are "Yes" and "Cancel". The X button can also be pressed to cancel the screen.
Restore Settings to Default	This setting will return all the previously changed settings to their factory defaults.
Clear Personal Data	This setting will display a pop-up that gives you the option to clear all personal data from the system, including Bluetooth® devices and presets.
Reset Wi-Fi Password For Projection	This setting will allow you to reset the vehicle's Wi-Fi password for smartphone projection. The available options are "Yes" and "Cancel". The X button can also be pressed to cancel the screen.
Factory Reset	This setting will restore the radio to its factory default settings.

PERFORMANCE PAGES — IF EQUIPPED

Performance Pages is an application that provides a display for performance indicators that will help you gain familiarity with the capabilities of your vehicle in real time.

To access the Performance Pages, press the Vehicle button on the touchscreen. Then, press the Performance tab. Press the desired button on the touchscreen to access that specific Performance Page.

WARNING!

Measurement of vehicle statistics with the Performance Pages is intended for off-highway or off-road use only and should not be done on any public roadways. It is recommended that these features be used in a controlled environment and within the limits of the law. The capabilities of the vehicle as measured by the Performance Pages must never be exploited in a reckless or dangerous manner, which can jeopardize the user's safety or the safety of others. Only a safe, attentive, and skillful driver can prevent accidents.

The Performance Pages include the following:

- Timers
- Gauges
- G-Force
- Pitch & Roll
- Dyno/Engine
- Vehicle Dynamics

Snapshot

The Snapshot feature allows you to take a screenshot of any page. The information can be saved onto a USB device.

To take a snapshot, make sure a USB device is plugged into the vehicle. Next, press the Snapshot icon located in the lower left corner of the touchscreen.

The file will be saved to the USB drive. At the time a snapshot is taken, the bottom bar of the touchscreen will be replaced with the historical data from the vehicle present at the time the snapshot icon was pressed. The following information will display:

- Date
- Vehicle Identification Number (VIN)
- Longitude And Latitude Coordinates
- Outside Temperature
- Odometer

The following describes each feature and its operation:

TIMERS

When the Timers page is selected, you will be able to view the Drag and Accel & Braking timers.

- Recent
A real-time summary of performance timers for the most recent valid run, or the status of a test in progress.
- Last
The last recorded run of performance timers.
- Best
The best recorded run of performance timers, except for braking data.

Save

Pressing the SAVE button will let you save the timer data for Recent, Last, and Best recorded times to an inserted USB flash drive.

The Timers pages contain:

- **Reaction Time:** Measures the driver's reaction time for launching the vehicle against a simulated drag strip timing light (behavior modeled after 500 Sportsman Tree) displayed in the instrument cluster display.

NOTE:

Drag timers (RT, 60 ft [20 m], 330 ft [100 m], 1/8 mile [200 m], 1000 ft [300 m], and 1/4 mile [400 m]) and Acceleration Timers (0-60 mph [0-96 km/h] and 0-100 mph [0-160 km/h]) will be ready to acquire new recent data measurements when the vehicle is at 0 mph (0 km/h) and vehicle is in drive.

The timer listed shows the measured time required to travel at the cited distance is met. Some timers will also display speeds present at the time the distance was met.

- 0-60 mph (0-100 km/h)
- 0-100 mph (0-160 km/h)
- 60 ft (20 m) ET
- 330 ft (100 m) ET
- 1/8 mile (200 m) + ET
- 1/8 mile (200) + mph
- 1000 ft (300 m) ET
- 1/4 mile (400 m) + ET
- 1/4 mile (400 m) + mph
- Brake Distance ft (meters)

NOTE:

The distance measurement will be aborted if the brake pedal is released or the parking brake is engaged, before the vehicle comes to a complete stop.

- Brake from mph (km/h)

NOTE:

Brake Distance and Speed timers only display "ready" when vehicle is traveling at a speed greater than 30 mph (48 km/h).

GAUGES

When selected, this screen displays the following values:

- Coolant Temperature
Shows the actual coolant temperature.
- Oil Temperature
Shows the actual oil temperature.
- Oil Pressure
Shows the actual oil pressure.
- Trans Temp
Shows actual transmission oil temperature.
- Battery Voltage
Shows actual battery voltage.
- Intake Air Temp
Shows actual intake air temperature.

If a gauge is selected, the Gauge Detail View Page will appear on the screen. This page shows gauge values for the previous two minutes on the selected gauge.

Pressing the Left or Right Arrow will cycle through the details for each of the gauges. Pressing the minimize button beside the graph will return to the Gauge menu.

G-FORCE

When G-Force is selected, the following features will be available:

- Vehicle Speed
Measures the current speed of the vehicle in either mph or km/h, starting at zero with no maximum value.

- **Front G-Force**
Measures the peak braking force on the front of the vehicle.
- **Right G-Force**
Measures the peak force on the right side of the vehicle.
- **Left G-Force**
Measures the peak force on the left side of the vehicle.
- **Rear G-Force**
Measures the peak acceleration force on the rear of the vehicle.

NOTE:

Front, Right, Left, and Rear G-Forces are all peak values. These readings can be reset by clearing peak G-Force on the instrument cluster.

The friction circle display shows instantaneous G-Force as a highlight and previous G-Force as dots within the circle. The system records previous G-Force for three minutes. If there are multiple samples at a given point, the color of the dot will darken from blue to red. Vectors more frequent will show in red; infrequent vectors will show in blue.

Pitch & Roll

The G-Force page displays the vehicle's current pitch (angle up and down) and roll (angle side to side) in degrees. The Pitch & Roll gauges provide a visualization of the current vehicle angle.

DYNAMOMETER (DYNO)/ENGINE**Dynamometer (Dyno)**

The system will start drawing graphs for Power and Torque (top chart) and Engine Speed (bottom chart). The graph will fill from the left side of the x-axis and fill to the right side of the x-axis (based on History time selected). Once the right side of the page is reached, the graph will scroll with the right side always being the most recent recorded sample.

The following options can be selected:

- Press the STOP button to freeze the graph. Select "Play" to clear the graph and restart the process.
- Press the + or - button to change the history of the graph. The selectable options are "30", "60", "90", and "120" seconds. The graph will expand or contract depending on the setting selected.
- Select the "Gear" display setting to turn the gear gear markers on or off.

NOTE:

The Gear On/Off feature will only display if your vehicle is equipped with an Automatic Transmission.

Engine

Press the Left and Right Arrow buttons on the bottom of the touchscreen to cycle between the Dyno and Engine pages.

When selected, this screen displays the following values:

- **Vehicle Speed:** Shows the actual vehicle speed.
- **Engine Power:** Shows the instantaneous power.
- **Engine Torque:** Shows the instantaneous torque.

- **Boost Pressure:** Shows the actual engine boost pressure.
- **Gear:** Shows the current (or pending) operating gear of the vehicle.

VEHICLE DYNAMICS

The Vehicle Dynamics page displays information concerning the vehicle's drivetrain.

Steering Angle — If Equipped

Steering Angle utilizes the steering angle sensor to calculate the degree of the steering relative to zero (straight ahead) reference angle. The zero degree reference angle measurement indicates the actual front tire steering angle.

Transfer Case

This feature will be active when the vehicle is in 4WD HIGH, 4WD AUTO, Neutral, or 4WD LOW.

NOTE:

A lock symbol will only be present on the Transfer Case button when the vehicle is in 4WD LOW.

Rear Axle Locker

This feature will allow you to lock and unlock the rear axle. To change the status, push the AXLE LOCK button.

DRIVE MODES

Your vehicle is equipped with On-Road and Off-Road Drive Modes features which allow for coordinating the operation of various vehicle systems depending upon the type of driving behavior desired.

The Drive Modes feature is controlled through the touchscreen and may be accessed by performing any of the following:

- Pressing the Drive Modes button within the Dashboard tab within the Vehicle menu on the touchscreen.
- Pushing the TRX switch on the instrument panel will bring up the TRX vehicle features list on the head unit, where the Drive Modes interface can be selected. Double pushing the TRX button will engage the Custom Drive Modes and launch the Custom Drive Modes page.
- Pushing the Left or Right Arrow button under the TRX button on the instrument panel.

NOTE:

Pressing the Left or Right Arrow button will let you switch between the different modes. Switching between the different modes will also reflect in the instrument cluster display. If the Drive Mode's interface is already open on the touchscreen, and the << or >> button is pressed, the Drive Mode's mode that was selected on the instrument cluster will appear on the touchscreen. For more information on the instrument cluster display and its interaction with Drive Modes ➡ page 100.



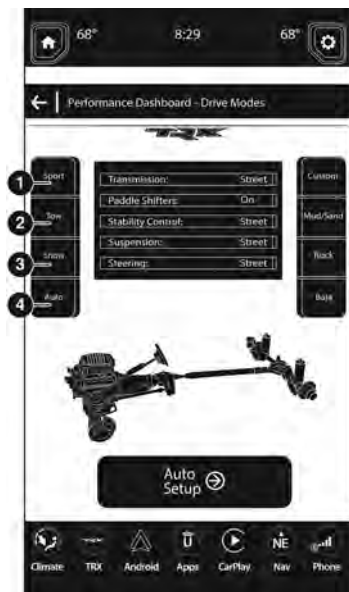
TRX Button

The Drive Modes main screen displays the current drive mode and real-time status of the vehicle's performance configuration. The selectable Drive Modes are "Sport", "Tow", "Snow", "Auto", "Custom", "Mud/Sand", "Rock", and "Baja". Information shown will indicate the actual status of each system, along with a vehicle graphic that displays the active Drive Modes status. The color red indicates "Sport," yellow for "Street", light blue for "Snow", purple for "Tow", and orange for "Baja". These features will reset to its AUTO Drive Modes configuration upon an ignition cycle if the transfer case is in 4WD AUTO or 4WD HIGH. In 4WD LOW, after an ignition cycle, the Drive Modes will return to the mode that was active when the vehicle was last turned off. If the system status shown does not match the current Drive Mode Set-Up, a message will be displayed indicating which values are not matching the current mode.

NOTE:

- Sport and Tow Modes Set-Up menus cannot be changed.
- Some parameters within Snow, Auto, Mud/Sand, Rock, and Baja Modes Set-Up menus can be configured.
- All subsystems within the Custom Mode Set-Up screen (with the exception of Rock Stability) can be configured.

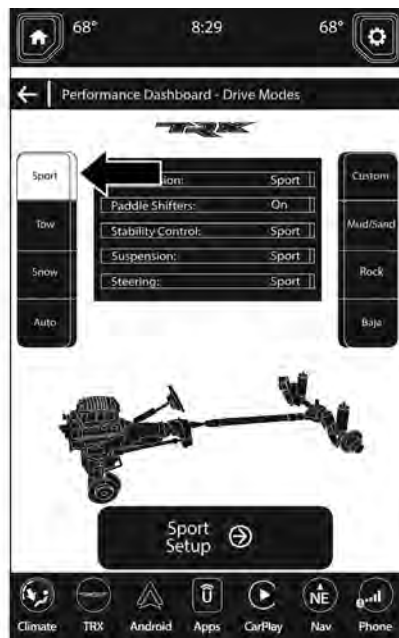
ON-ROAD



On-Road Drive Modes

- 1 – Sport
- 2 – Tow
- 3 – Snow
- 4 – Auto

Sport Mode

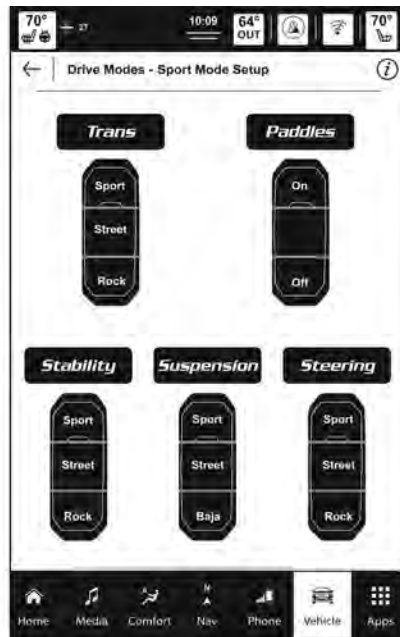


Drive Modes (Sport)

Selecting “Sport” on the touchscreen will activate the configuration for typical enthusiast driving. The Transmission, Stability Control, Steering, and Suspension systems are all set to their Sport settings highlighted in red. The paddle shifters are enabled.

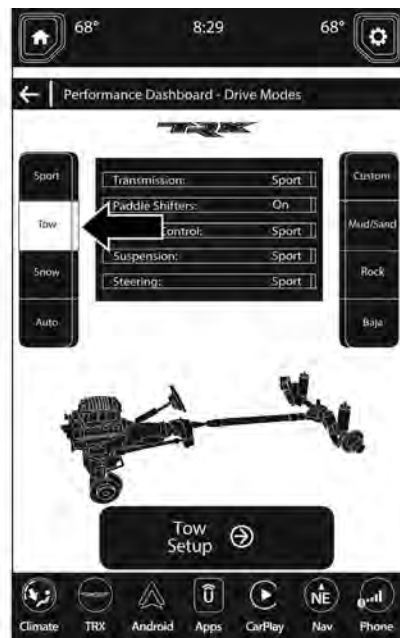
NOTE:

Sport Mode is not available if the transfer case is in 4WD LOW.



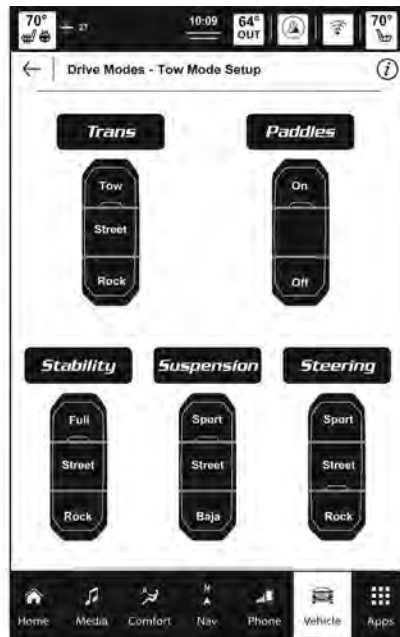
Sport Mode Set-Up

Tow Mode



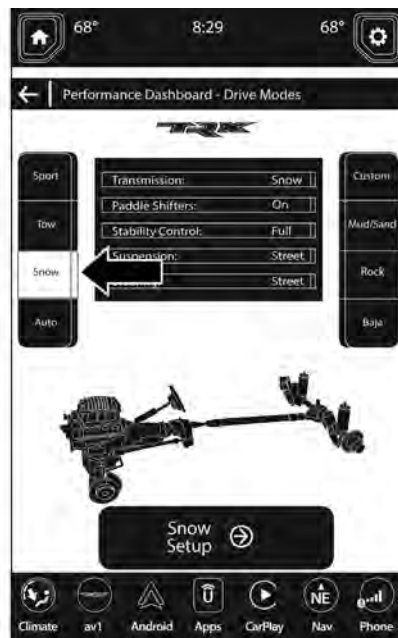
Drive Modes (Tow)

Selecting "Tow" on the touchscreen will activate the configuration for towing a trailer or hauling heavy loads in the cargo area. Once in this mode, trailer sway control is enabled in the Electronic Stability Control (ESC) system. The Transmission is set to Tow, Stability Control is set to Full, Steering is set to Street, and Suspension is set to Sport. Paddle shifters are enabled.



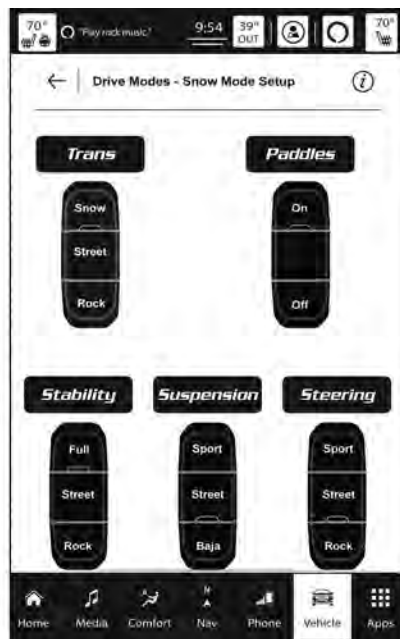
Tow Mode Set-Up

Snow Mode



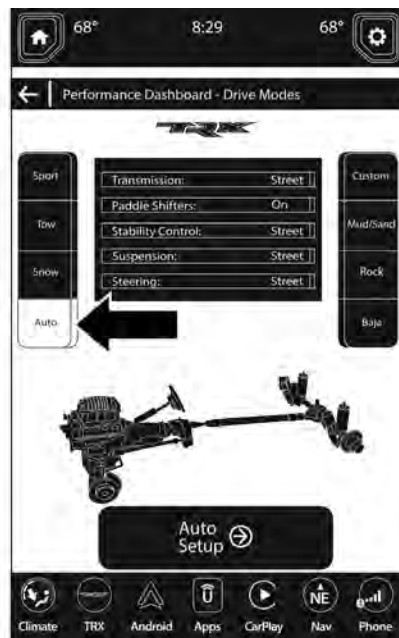
Drive Modes (Snow)

Selecting “Snow” on the touchscreen will activate Snow Mode for use on loose traction surfaces. When in Snow Mode (depending on certain operating conditions), the transmission will shift earlier than in other modes, which will keep wheel torque low to minimize wheel slippage. The Transmission is set to Snow, Stability Control is set to Full, and Steering and Suspension are set to Street. Paddle shifters are defaulted to “On” but are configurable.



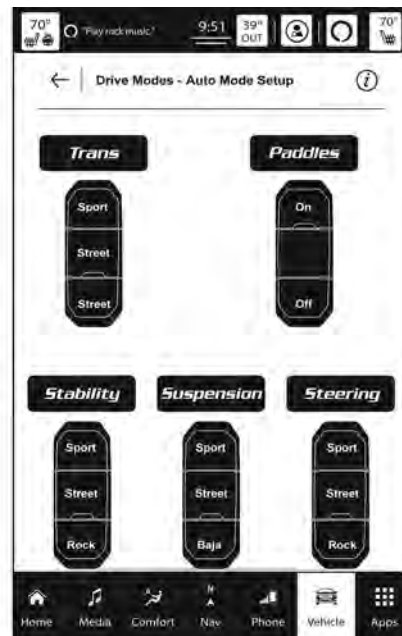
Snow Mode Set-Up

Auto Mode



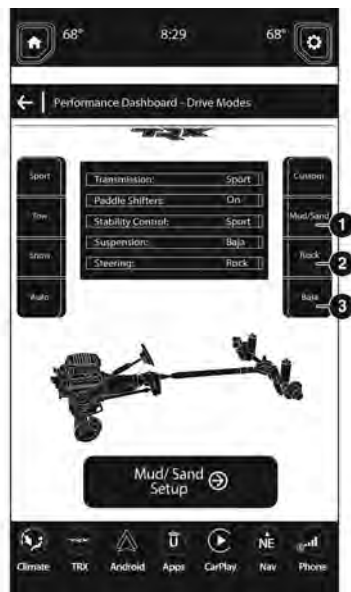
Drive Modes (Auto Default)

Auto Mode is enabled upon ignition ON while in 4WD AUTO or 4WD HIGH or by selecting "Auto" on the touch-screen. The Transmission, Stability Control, Suspension, and Steering are all set to Street. Paddle shifters are enabled.



Auto Mode Setup

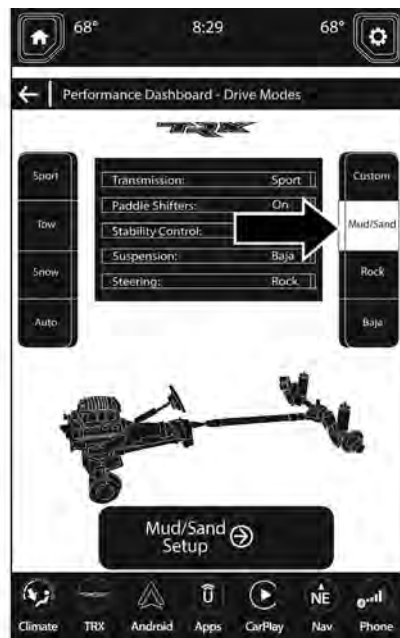
OFF-ROAD



Off-Road Drive Modes

- 1 – Mud/Sand
- 2 – Rock
- 3 – Baja

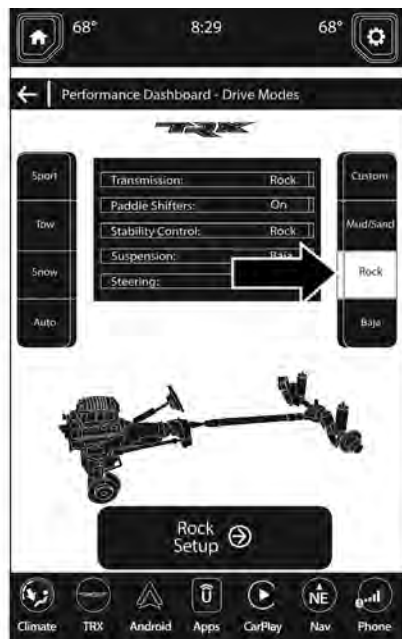
Mud/Sand



Drive Modes (Mud/Sand)

Selecting “Mud/Sand” on the touchscreen will activate Mud/Sand Mode for use on mud and sand-like conditions. Transmission is set to Sport, Stability is set to Sport, Suspension is set to Baja, and Steering is set to Rock. Paddle shifters are enabled.

Rock



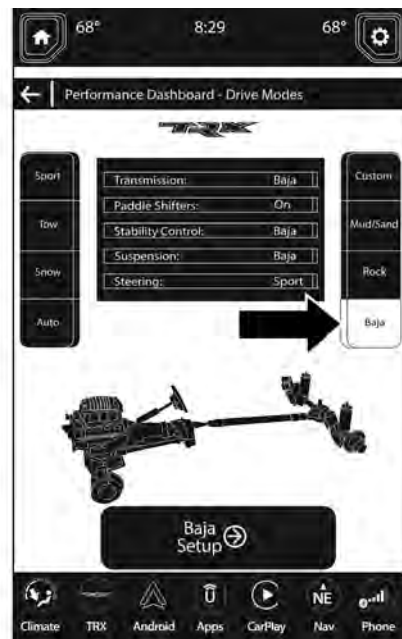
Drive Modes (Rock)

Selecting "Rock" on the touchscreen will activate Rock Mode for use on rocky surfaces. Transmission and Stability are set to Sport. Steering is set to Rock. Suspension is set to Baja. Paddle shifters are enabled.

NOTE:

The vehicle must be in 4WD LOW to access Rock Mode.

Baja



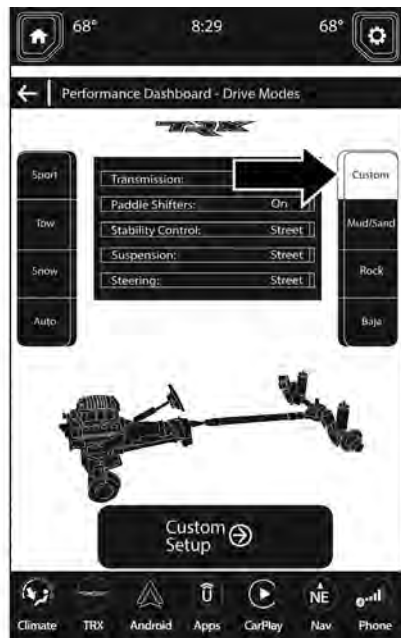
Drive Modes (Baja)

Selecting “Baja” on the touchscreen will activate Baja Mode for high-speed off-road driving. Transmission, Suspension, and Stability are set to Baja. Steering is set to Sport. Paddle shifters are enabled.

NOTE:

Baja Mode is not available in 4WD LOW.

CUSTOM MODE



Drive Modes (Custom)

Custom Mode may be selected by pressing the Custom button on the touchscreen or by pushing the TRX button twice within two seconds. Custom Mode allows you to create a custom configuration that is saved for quick selection of your favorite settings. While in Custom Mode, the Transmission, Paddles, Steering, Stability, and Suspension settings are shown in their current configuration.

While on the Custom Mode screen, press the Custom Setup button on the touchscreen to access the set-up page options. Select which mode suits your driving needs for a custom driving experience.

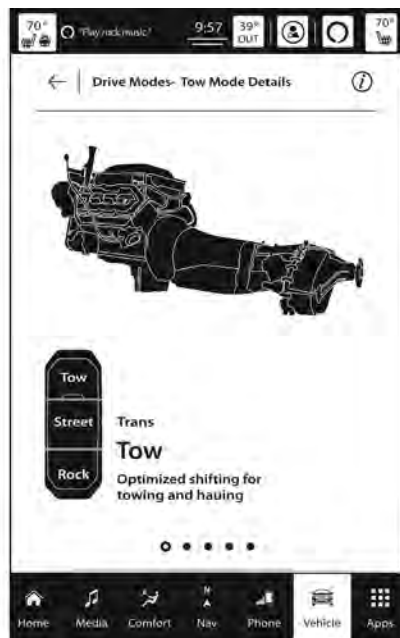
Drive Mode Set-Up Info

Within the Drive Mode Set-Up screen, press the Info button on the touchscreen then use the Left/Right arrow towards the bottom of the touchscreen to scroll through all the available Drive Mode systems giving you a description of their operation and current configuration.

NOTE:

Not all levels are adjustable in each Drive Mode Set-Up.

Transmission



Transmission

- **Sport:** Faster shift speeds with some comfort trade-off.
- **Tow:** Optimizes shifting for towing and hauling.
- **Snow:** Optimizes shifting for low-traction conditions.
- **Street:** A balance of shift speed and comfort for typical daily driving.
- **Baja:** Performs aggressive shifting for off-road performance.
- **Rock:** Optimized shifting for traversing rocky terrain.

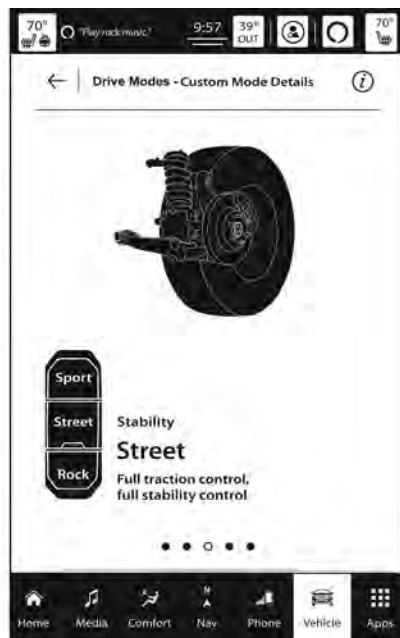
Paddle Shifters



Paddle Shifters

- **On:** Enables steering wheel paddle shifters.
- **Off:** Disables steering wheel paddle shifters.

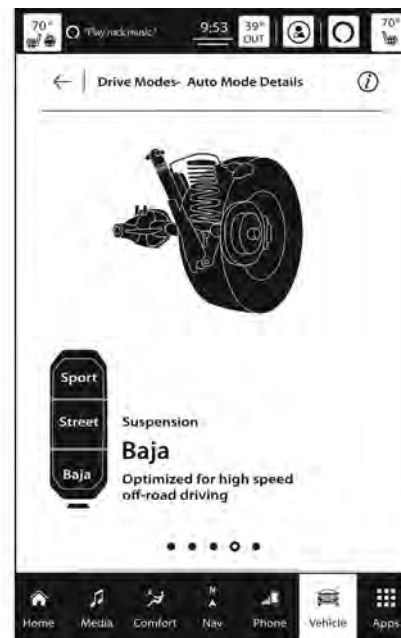
Stability Control



Stability Control

- **Sport:** Provides reduced stability control.
- **Street:** Provides full (default) stability control.
- **Full:** Provides traction control and stability control optimized for slippery conditions.
- **Baja:** Optimizes the Anti-Brake System (ABS), traction control, and stability control for high-speed off-road driving.
- **Rock:** Optimizes traction control for low-speed off-road driving/crawling.

Suspension



Suspension

- **Sport:** Provides a firmer suspension stiffness with moderate comfort trade-off.
- **Street:** Provides a balance of suspension stiffness and ride comfort for typical daily driving.
- **Baja:** Optimizes for high-speed off-road driving.

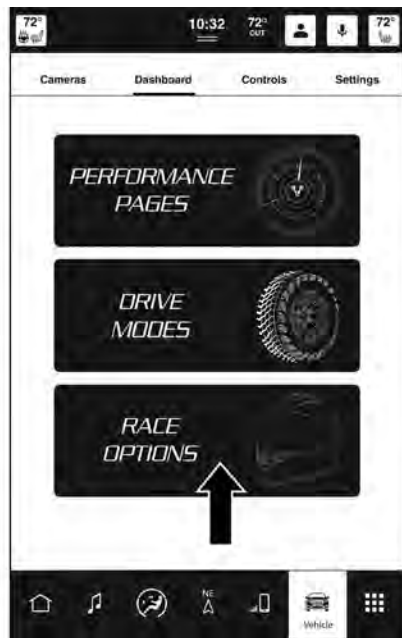
Steering



Steering

- **Sport:** Adjusts the steering effort and feel to a greater level.
- **Street:** Balances the steering feel and comfort.
- **Rock:** Provides the greatest steering feel and effort for improved control.

RACE OPTIONS



Race Options

Press the Race Options tab on the touchscreen to display the vehicle's Launch Control screen. Within Race Options, you can activate, deactivate, and adjust the RPM values for the Launch Control, Race Cooldown, and Shift Light features ➔ page 221.

Launch Control

WARNING!

Launch Control is intended for off-highway or off-road use only and should not be used on any public roadways. It is recommended that this feature be used in a controlled environment, and within the limits of the law. The capabilities of the vehicle as measured by the performance pages must never be exploited in a reckless or dangerous manner, which can jeopardize the user's safety or the safety of others. Only a safe, attentive, and skillful driver can prevent accidents.

This vehicle is equipped with a Launch Control system that is designed to allow the driver to achieve maximum vehicle acceleration in a straight line. Launch Control is a form of traction control that manages tire slip while launching the vehicle. This feature is intended for use during race events on a closed course where consistent 1/4-mile and 0-to-60 times are desired. The system is not intended to compensate for lack of driver experience or familiarity with the race track. Use of this feature in low traction (cold, wet, gravel, etc.) conditions may result in excess wheel slip outside this systems control resulting in an aborted launch.

Preconditions:

- Launch Control should not be used on public roads. Always check track conditions and the surrounding area.
- Launch Control is not available within the first 500 miles (805 km) of engine break-in.
- Launch Control should only be used when the engine and transmission are at operating temperature.
- Launch Control is intended to be used on dry, paved road surfaces only.
- Launch Control will not be available when in 4WD LOW or while operating in Valet Mode.

Launch Control is only available when the following procedure is followed:



Activate Launch Control

1. Adjust your launch RPMs for optimum launch/traction, if required.
2. Press the Activate Launch Control button on the touchscreen or press the Launch button on the instrument panel; follow instructions on the instrument cluster display.
 - Make sure the vehicle is not moving.
 - Put vehicle in first gear or Drive.
 - Steering wheel must be centered with tires pointing forward.
 - Vehicle must be on level ground.
 - Apply brake pressure.
 - While holding the brake, rapidly apply and hold the accelerator pedal to wide open throttle. The engine speed will hold at the RPM that was set in the "Launch Control" screen.

NOTE:

Messages will appear in the instrument cluster display to inform the driver if one or more of the conditions have not been met.

3. When the conditions have been met, the instrument cluster display will read "Release Brake".
4. Keep the vehicle pointed straight and release the brake.

Launch Control will be active until the vehicle reaches 62 mph (100 km/h), at which point the Electronic Stability Control (ESC) system will return to its current ESC mode.

Launch Control will abort before launch completion and will display "Launch Aborted" in the cluster under any the following conditions:

- The accelerator pedal is released during launch.
- The ESC system detects that the vehicle is no longer moving in a straight line.
- The ESC Off button is pressed to change the system to another mode.

NOTE:

The Launch Control RPM setting can only be adjusted while Launch Control is not active. After Launch Control has been aborted, ESC will return to its current ESC mode.

CAUTION!

Do not attempt to shift when the drive wheels are spinning and do not have traction. Damage to the transmission may occur.

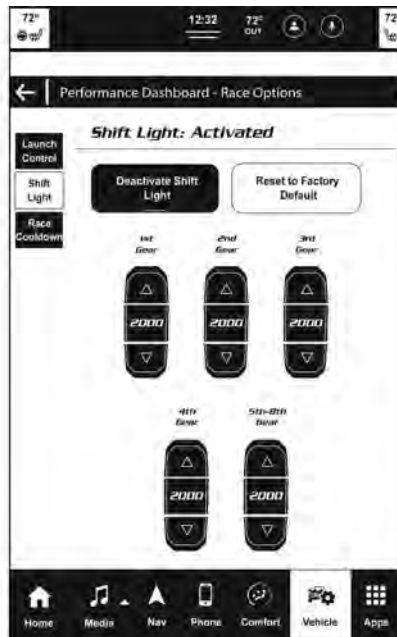
To adjust the Launch RPM, drag the slider bar or press the arrows on the touchscreen to adjust the holding RPM. The launch RPM limit is between the minimum and maximum RPM values shown on the gauge, in 100 RPM increments.



Launch RPM Set-Up

Shift Light

Your vehicle is equipped with a Shift Light feature that illuminates the instrument cluster display as a visual cue to manually upshift using the paddle shifters or shifting the transmission gear selector.



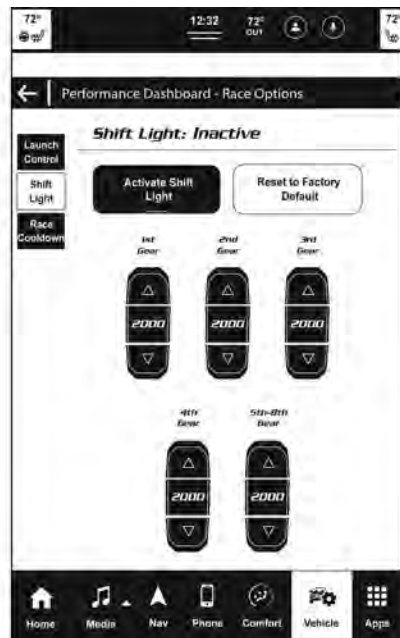
Shift Light Button

To actuate the Shift Light feature, press the Race Options tab, then press the Deactivate Shift Light button on the touchscreen. Activation is shown on the instrument cluster display.

Shift Light is only active when the gear selector is in Autostick or Sport position.

NOTE:

Paddle shifters can be used to shift, however using the paddle shifters while the shifter is in Drive (D) position will not enable the Shift Light feature.



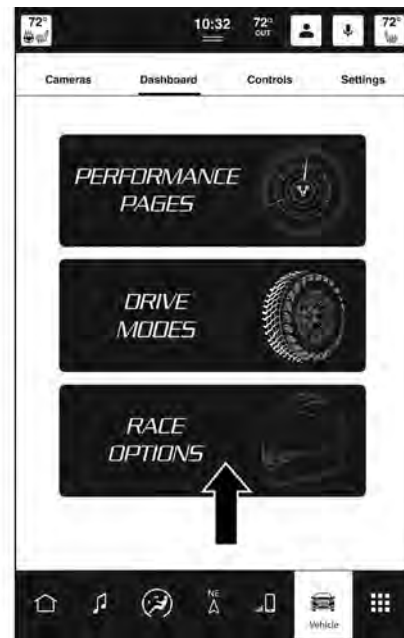
Shift Light RPM Set-Up

The Shift Light RPM Set-Up allows you to set the Shift Light to illuminate for gears 1, 2, 3, 4, and 5-8. Pressing and releasing the Up/Down Arrow buttons above and below each listed gear, the RPM values will change in increments of 250 RPM. Pressing and holding the arrows will change the RPM values in increments of 500 RPM, up to 6250 RPM. Press the Reset to Factory Default button on the touchscreen to change back to factory settings, or press the Deactivate Shift Light button on the touchscreen to turn the system off completely.

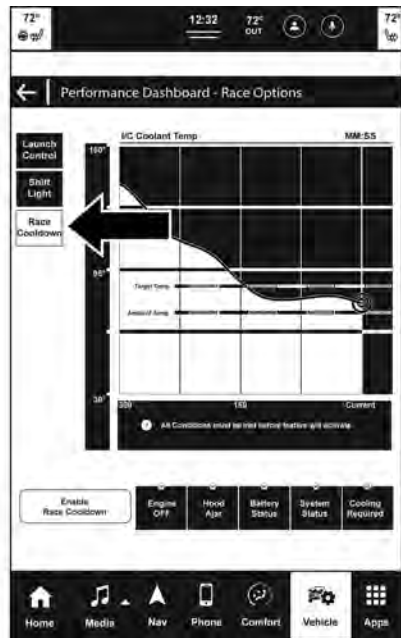
Race Cooldown

Race Cooldown is a selectable After-Run Cooling feature.

Race Cooldown is a feature activated by selecting the Race Cooldown button under the Race Options tab.



Race Options Button



Race Cooldown Button

To enable this feature, the vehicle will check to ensure the engine is off, the hood is closed, the status of the battery and system are acceptable and determine if cooling is required.

After completing an event that has generated a lot of heat in the powertrain, this feature helps cool the vehicle after the engine has been shut down. The radiator fan and low temperature radiator coolant pump remain on after engine shutdown for a period up to five minutes or until target temperature is reached.

A graph in the radio can show the resulting intercooler coolant temperature in real time while the vehicle ignition is in ON/RUN position with the engine off.

NOTE:

Race Cooldown feature (After-Run) will only come on with the engine off. The temperature will display with engine running also, but After-Run Cooling will not be functioning.

This feature will automatically deactivate after extended driving at road speeds, or when one or more of the following conditions apply:

- If coolant temperature reaches the target temperature and cooling is no longer required.
- If battery voltage or state of charge drops below a threshold.
- If the hood is opened.

GUIDELINES FOR TRACK OR EXTREME OFF-ROAD USE

- If your vehicle is equipped with Drive Modes, they will alter the vehicle's performance in various driving situations. It is recommended that your vehicle operates in Sport or Baja Mode during the event.
- Prior to each event, verify all fluids are at the correct levels.

- Prior to each event, verify the front and rear brake pads have more than half pad thickness remaining. If the brake pads require changing, complete a brake burnish procedure prior to an event at full pace.
- At the conclusion of each event, it is recommended that a brake bleed procedure is performed to maintain the pedal feel and stopping capability of your brake system.
- It is recommended that each event outing should end with a minimum of one cooldown lap using minimal braking.
- All vehicles are severe use tested for 24 hours of endurance. However, it is recommended that the suspension system, brake system, prop shaft, and half shaft boots be checked for wear or damage after every event.
- Aggressive usage results in increased operating temperatures of the engine, transmission, driveline, and brake system. This may affect Noise Vibration Harshness (NVH) countermeasures of your vehicle. New components may need to be installed to return the system to the original NVH performance.
- Tire pressure:
 - Recommended tire pressure of 25 psi (172 kPa) when tires are cold, or below 38 psi (262 kPa) when hot.

NOTE:

It is recommended that you target below 38 psi (262 kPa) when tires are hot at the conclusion of each session. Starting at 25 psi (172 kPa) cold and adjusting based on ambient and conditions is recommended. Tire pressure can be monitored via the instrument cluster display and can assist with adjustments.

VALET MODE

To enter Valet Mode, press the Valet Mode button from the All Profiles menu on the touchscreen. For more information on Profiles, please refer to your Uconnect Owner's Manual Supplement.

While in Valet Mode, the following vehicle configurations are set and locked to prevent unauthorized modification:

- Transmission upshifts earlier than normal.
- Steering and Suspension are set to their Street settings.
- Steering wheel paddle shifters are disabled.
- The ESC Off button is disabled.
- The Launch Control button is disabled.
- Engine power is reduced.

When the vehicle is started or was previously placed in Valet Mode, a pop-up will display that the vehicle is in Valet Mode. Select "Yes" to deactivate valet mode. Alternatively, press the Locked Profile icon in the Upper Status Bar to exit Valet Mode.

Enter your four-digit Valet Mode PIN and press "Go". Valet Mode will be deactivated. The Uconnect system will load the last active Profile before the vehicle was placed in Valet Mode.

NOTE:

If your four-digit PIN is lost or forgotten, the vehicle will exit Valet Mode after a battery disconnect for approximately five minutes. Reconnect the battery and cycle the ignition to the ON/RUN position. The vehicle will be in Auto Mode.

RADIO OPERATION AND MOBILE PHONES

Under certain conditions, the mobile phone being on in your vehicle can cause erratic or noisy performance from your radio. This condition may be lessened or eliminated by repositioning the mobile phone within the vehicle. This condition is not harmful to the radio. If your radio performance does not satisfactorily improve from repositioning the mobile phone, it is recommended that the volume be turned down or off during mobile phone operation when not using the Uconnect system.

OFF-ROAD PAGES — IF EQUIPPED

Your vehicle may be equipped with Off-Road Pages which display vehicle information related to the drive-train, transfer case, and coolant/oil gauges.

To access Off-Road Pages, press the Vehicle button on the touchscreen, select the Offroad tab, and then select the OFF ROAD button on the main screen. Off-Road Pages can also be accessed through the app drawer.

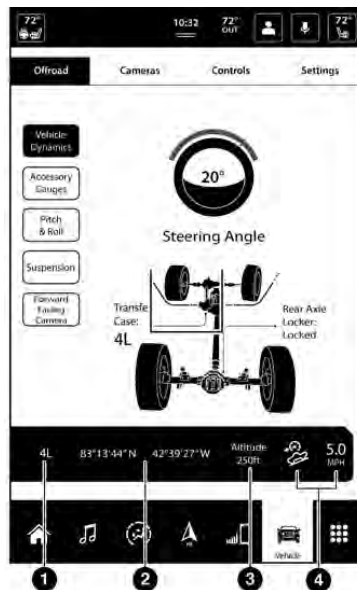


OFF ROAD Button

OFF-ROAD PAGES STATUS BAR

The Off-Road Pages Status Bar is located along the bottom of Off-Road Pages and is present in each of the selectable page options. It provides information for the following items:

1. Transfer Case Status
2. Latitude/Longitude
3. Altitude of the vehicle
4. Status of Hill Descent or Selec-Speed Control at Target Selected Speed in mph (km/h) — If Equipped



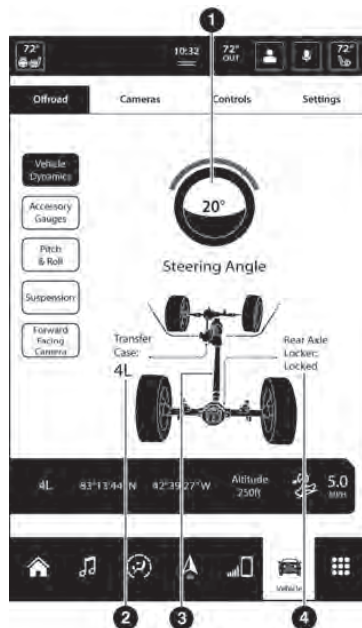
Status Bar 2WD/4WD

- 1 — Transfer Case Status
- 2 — Latitude/Longitude
- 3 — Altitude
- 4 — Hill Descent Or Selec-Speed Control Status

VEHICLE DYNAMICS

The Vehicle Dynamics page displays information concerning the vehicle's transfer case and steering angle. The following information is displayed:

1. Steering angle in degrees
2. Status of Transfer Case
3. Status of the Rear Axle
4. Status of Front Axle — If Equipped

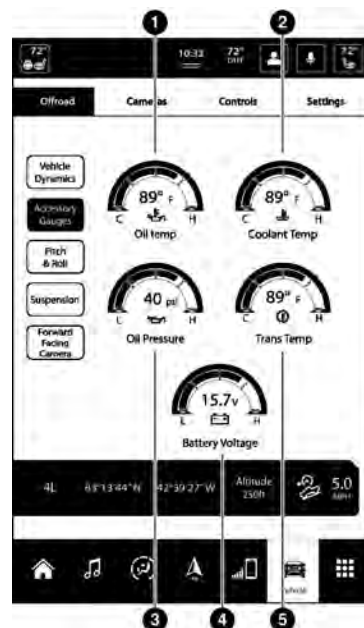


Drivetrain Menu 2WD/4WD

- 1 — Steering Angle
- 2 — Transfer Case Status
- 3 — Rear Axle
- 4 — Rear Axle Locker Status

ACCESSORY GAUGE

The Accessory Gauge page displays the current status of the vehicle's Coolant Temperature, Oil Temperature, Oil Pressure, Transmission Temperature, and Battery Voltage.



Accessory Gauge Menu 2WD/4WD

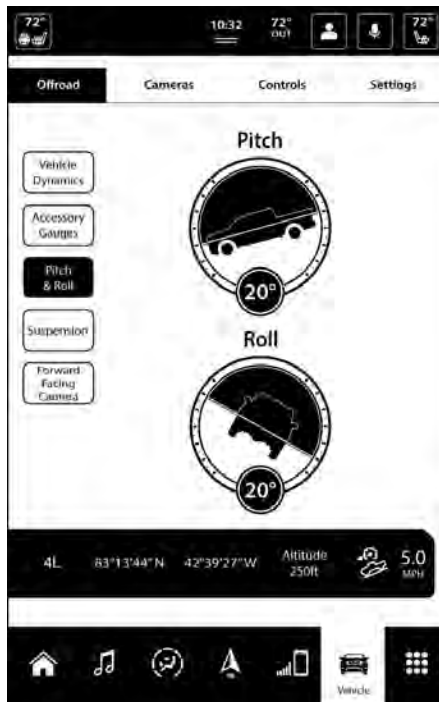
- 1 — Oil Temperature
- 2 — Coolant Temperature
- 3 — Oil Pressure
- 4 — Battery Voltage
- 5 — Transmission Temperature

PITCH & ROLL

The Pitch & Roll page displays the vehicle's current pitch (angle up and down) and roll (angle side to side) in degrees. The Pitch & Roll gauges provide a visualization of the current vehicle angle.

NOTE:

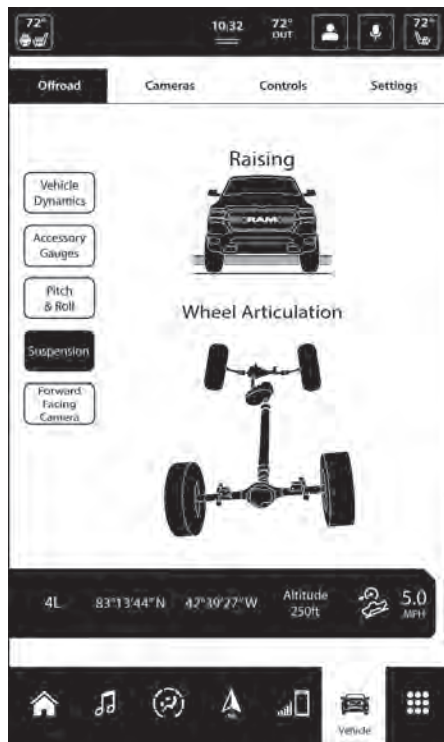
Pitch & Roll values may show upon startup. These numbers will update once the vehicle is driven.



Pitch & Roll Menu 2WD/4WD

SUSPENSION — IF EQUIPPED

The Suspension page displays the current status of the vehicle's suspension system and the current ride height of the vehicle. The Suspension page will also indicate when the vehicle's height changes.



Suspension Menu

FORWARD FACING CAMERA— IF EQUIPPED

Your vehicle may be equipped with a Forward Facing Camera that allows you to see an on-screen image of the front view of your vehicle. The image will be displayed on the touchscreen along with a caution note “Check Entire Surroundings” across the top of the screen.

To activate, press the Forward Facing Camera button on the touchscreen.

SAFETY

SAFETY FEATURES

ANTI-LOCK BRAKE SYSTEM (ABS)

The ABS provides increased vehicle stability and brake performance under most braking conditions. The system automatically prevents wheel lock and enhances vehicle control during braking.

The ABS performs a self-check cycle to ensure that the ABS is working properly each time the vehicle is started and driven. During this self-check, you may hear a slight clicking sound as well as some related motor noises.

The ABS is activated during braking when the system detects one or more wheels are beginning to lock. Road conditions such as ice, snow, gravel, bumps, railroad tracks, loose debris, or panic stops may increase the likelihood of ABS activation(s).

You also may experience the following normal characteristics when the ABS activates:

- ABS motor noise or clicking sounds (you may continue to hear for a short time after the stop)
- Brake pedal pulsations
- A slight drop of the brake pedal at the end of the stop

The ABS is designed to function with the Original Equipment Manufacturer (OEM) tires. Modification may result in degraded ABS performance.

WARNING!

- The ABS contains sophisticated electronic equipment that may be susceptible to interference caused by improperly installed or high output radio transmitting equipment. This interference can cause possible loss of anti-lock braking capability. Installation of such equipment should be performed by qualified professionals.
- Pumping of the Anti-Lock Brakes will diminish their effectiveness and may lead to a collision. Pumping makes the stopping distance longer. Just press firmly on your brake pedal when you need to slow down or stop.
- The ABS cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase braking or steering efficiency beyond that afforded by the condition of the vehicle brakes and tires or the traction afforded.
- The ABS cannot prevent collisions, including those resulting from excessive speed in turns, following another vehicle too closely, or hydroplaning.
- The capabilities of an ABS equipped vehicle must never be exploited in a reckless or dangerous manner that could jeopardize the user's safety or the safety of others.

Anti-Lock Brake System (ABS) Warning Light

The yellow ABS Warning Light will turn on when the ignition is placed in the ON/RUN mode and may stay on for as long as four seconds.

If the ABS Warning Light remains on or comes on while driving, it indicates that the anti-lock portion of the brake system is not functioning and that service is required. However, the conventional brake system will continue to operate normally if the ABS Warning Light is on.

If the ABS Warning Light is on, the brake system should be serviced as soon as possible to restore the benefits of Anti-Lock Brakes. If the ABS Warning Light does not come on when the ignition is placed in the ON/RUN mode, have the light repaired as soon as possible.

REAR SEAT REMINDER ALERT (RSRA)

RSRA alerts of the possible presence of an object, passenger, or pet in the rear seats through a visual and auditory notification. When the system is activated, it displays the message "Check Rear Seat" on the instrument cluster display and sounds an auditory alert upon the driver placing the ignition in the OFF position to exit the vehicle. The system will activate automatically if a rear door is opened within 10 minutes of the ignition being placed in the ON/RUN position. RSRA should be used as a reminder to check the rear seats: it does not directly detect objects, passengers, or pets and is only activated when the previous conditions are met.

To enable or disable RSRA, see ➞ page 189.

WARNING!

- Before exiting a vehicle, always come to a complete stop, then shift the automatic transmission into PARK and apply the parking brake.
- Always make sure the keyless ignition node is in the OFF position, key fob is removed from the vehicle and vehicle is locked.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Leaving children in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the gear selector.
- Do not leave children or animals inside parked vehicles in hot weather. Interior heat buildup may cause serious injury or death.

ELECTRONIC BRAKE CONTROL (EBC) SYSTEM

Your vehicle is equipped with an advanced Electronic Brake Control (EBC) system. This system includes Anti-Lock Brake System (ABS), Brake Assist System (BAS), Electronic Brake Force Distribution (EBD), Electronic Roll Mitigation (ERM), Electronic Stability Control (ESC), Hill Start Assist (HSA), and Traction Control System (TCS). These systems work together to enhance both vehicle stability and control in various driving conditions.

Your vehicle may also be equipped with Trailer Sway Control (TSC) and Hill Descent Control (HDC).

Brake Assist System (BAS)

The BAS is designed to optimize the vehicle's braking capability during emergency braking maneuvers. The system detects an emergency braking situation by sensing the rate and amount of brake application, and then applies optimum pressure to the brakes. This can help reduce braking distances. The BAS complements the Anti-Lock Brake System (ABS). Applying the brakes very quickly results in the best BAS assistance. To receive the benefit of the system, you must apply continuous braking pressure during the stopping sequence (do not "pump" the brakes). Do not reduce brake pedal pressure unless braking is no longer desired. Once the brake pedal is released, the BAS is deactivated.

WARNING!

The Brake Assist System (BAS) cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase the traction afforded by prevailing road conditions. BAS cannot prevent collisions, including those resulting from excessive speed in turns, driving on very slippery surfaces, or hydroplaning. The capabilities of a BAS-equipped vehicle must never be exploited in a reckless or dangerous manner, which could jeopardize the user's safety or the safety of others.

Brake System Warning Light

The red Brake System Warning Light will turn on when the ignition is placed in the ON/RUN mode and may stay on for as long as four seconds.

If the Brake System Warning Light remains on or comes on while driving, it indicates that the brake system is not functioning properly and that immediate service is

required. If the Brake System Warning Light does not come on when the ignition is placed in the ON/RUN mode, have the light repaired as soon as possible.

Electronic Brake Force Distribution (EBD)

EBD manages the distribution of the braking torque between the front and rear axles by limiting braking pressure to the rear axle. This is done to prevent over-slip of the rear wheels to avoid vehicle instability, and to prevent the rear axle from entering the Anti-Lock Brake System (ABS) before the front axle.

Electronic Roll Mitigation (ERM)

The ERM system anticipates the potential for wheel lift by monitoring the driver's steering wheel input and the speed of the vehicle. When ERM determines that the rate of change of the steering wheel angle and vehicle's speed are sufficient to potentially cause wheel lift, it then applies the appropriate brake and may also reduce engine power to lessen the chance that wheel lift will occur. ERM can only reduce the chance of wheel lift occurring during severe or evasive driving maneuvers; it cannot prevent wheel lift due to other factors, such as road conditions, leaving the roadway, striking objects or other vehicles.

WARNING!

Many factors, such as vehicle loading, road conditions and driving conditions, influence the chance that wheel lift or rollover may occur. ERM cannot prevent all wheel lift or rollovers, especially those that involve leaving the roadway or striking objects or other vehicles. The capabilities of an ERM-equipped

(Continued)

WARNING!

vehicle must never be exploited in a reckless or dangerous manner which could jeopardize the user's safety or the safety of others.

Electronic Stability Control (ESC)

ESC enhances directional control and stability of the vehicle under various driving conditions. ESC corrects for oversteering or understeering of the vehicle by applying the brake of the appropriate wheel(s) to counteract these conditions. Engine power may also be reduced to help the vehicle maintain the desired path.

- Oversteer — when the vehicle is turning more than appropriate for the steering wheel position.
- Understeer — when the vehicle is turning less than appropriate for the steering wheel position.

ESC uses sensors in the vehicle to determine the vehicle path intended by the driver and compares it to the actual path of the vehicle. When the actual path does not match the intended path, ESC applies the brake of the appropriate wheel to assist in counteracting the oversteer or understeer condition.

The ESC Activation/Malfunction Indicator Light located in the instrument cluster will start to flash as soon as the ESC system becomes active. The ESC Activation/Malfunction Indicator Light also flashes when the TCS is active. If the ESC Activation/Malfunction Indicator Light begins to flash during acceleration, ease up on the accelerator and apply as little throttle as possible. Be sure to adapt your speed and driving to the prevailing road conditions.

WARNING!

- Electronic Stability Control (ESC) cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase the traction afforded by prevailing road conditions. ESC cannot prevent accidents, including those resulting from excessive speed in turns, driving on very slippery surfaces, or hydroplaning. ESC also cannot prevent accidents resulting from loss of vehicle control due to inappropriate driver input for the conditions. Only a safe, attentive, and skillful driver can prevent accidents. The capabilities of an ESC equipped vehicle must never be exploited in a reckless or dangerous manner which could jeopardize the user's safety or the safety of others.
- Vehicle modifications, or failure to properly maintain your vehicle, may change the handling characteristics of your vehicle, and may negatively affect the performance of the ESC system. Changes to the steering system, suspension, braking system, tire type and size or wheel size may adversely affect ESC performance. Improperly inflated and unevenly worn tires may also degrade ESC performance. Any vehicle modification or poor vehicle maintenance that reduces the effectiveness of the ESC system can increase the risk of loss of vehicle control, vehicle rollover, personal injury and death.

ESC Operating Modes

Depending upon model and mode of operation, the ESC system may have multiple operating modes.

ESC On

This is the normal operating mode for the ESC. Whenever the vehicle is started, the ESC system will be in

this mode. This mode should be used for most driving conditions. Alternate ESC modes should only be used for specific reasons as noted in the following paragraphs.

Partial Off

This mode may be useful if the vehicle becomes stuck. This mode may modify TCS and ESC thresholds for activation, which allows for more wheel spin than normally allowed.

To enter the "Partial Off" mode, momentarily push the ESC OFF button and the ESC OFF Indicator Light will illuminate. To turn the ESC on again, momentarily push the ESC OFF button and the ESC OFF Indicator Light will turn off.

NOTE:

For vehicles with multiple partial ESC modes, the push and release of the button will toggle the ESC modes. Multiple attempts may be required to return to "ESC On".

WARNING!

- When in "Partial Off" mode, the TCS functionality of ESC (except for the limited slip feature described in the TCS section) has been disabled and the ESC OFF Indicator Light will be illuminated. When in "Partial Off" mode, the engine power reduction feature of TCS is disabled, and the enhanced vehicle stability offered by the ESC system is reduced.
- Trailer Sway Control (TSC) is disabled when the ESC system is in the "Partial Off" mode.

Full Off — If Equipped

This mode is intended for off-highway or off-road use only and should not be used on any public roadways. In this mode, TCS and ESC features are turned off. To enter the "Full Off" mode, push and hold the ESC OFF button for five seconds while the vehicle is stopped with the engine running. After five seconds, a chime will sound, the ESC OFF Indicator Light will illuminate, and the "ESC OFF" message will display in the instrument cluster. To turn ESC on again, momentarily push the ESC OFF button.

NOTE:

System may switch from ESC "Full Off" to "Partial Off" mode when vehicle exceeds a predetermined speed. When the vehicle speed slows below the predetermined speed the system will return to ESC "Full Off".

ESC modes may also be affected by drive modes (if equipped). Not all ESC operating modes are selectable in the setup menu. Some ESC settings are preconfigured by the selected drive mode and may not be adjusted; see ➞ page 207 for additional information.

WARNING!

- In the ESC "Full Off" mode, the engine torque reduction and stability features are disabled. Therefore, enhanced vehicle stability offered by the ESC system is unavailable. In an emergency evasive maneuver, the ESC system will not engage to assist in maintaining stability. ESC "Full Off" mode is intended for off-highway or off-road use only.
- The Electronic Stability Control (ESC) cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase the traction afforded by

*(Continued)***WARNING!**

prevailing road conditions. ESC cannot prevent all accidents, including those resulting from excessive speed in turns, driving on very slippery surfaces, or hydroplaning. ESC also cannot prevent collisions.

ESC Operating Modes — TRX Only

The following ESC operating modes are available:

- **Sport:** Provides reduced stability control.
- **Auto:** Provides full (default) stability control.
- **Snow:** Provides traction control and stability control optimized for slippery conditions.
- **Baja:** Optimizes the Anti-Lock Brake System (ABS), traction control, and stability control for high-speed off-road driving.
- **Sand Mud:** Optimizes traction control for low-speed off-road driving/crawling.

NOTE:

Not all ESC operating modes are selectable in the setup menu. Some ESC settings are preconfigured by the selected drive mode and may not be adjusted; see ➞ page 207 for additional information.

WARNING!

- When in "Partial Off" mode, the TCS functionality of ESC (except for the limited slip feature described in the TCS section) has been disabled and the ESC OFF Indicator Light will be illuminated. When in "Partial Off" mode, the engine power reduction feature of TCS is disabled, and the enhanced vehicle stability offered by the ESC system is reduced.

*(Continued)***WARNING!**

- Trailer Sway Control (TSC) is disabled when the ESC system is in the "Partial Off" mode.

WARNING!

- In the ESC "Full Off" mode, the engine torque reduction and stability features are disabled. Therefore, enhanced vehicle stability offered by the ESC system is unavailable. In an emergency evasive maneuver, the ESC system will not engage to assist in maintaining stability. ESC "Full Off" mode is intended for off-highway or off-road use only.
- The Electronic Stability Control (ESC) cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase the traction afforded by prevailing road conditions. ESC cannot prevent all accidents, including those resulting from excessive speed in turns, driving on very slippery surfaces, or hydroplaning. ESC also cannot prevent collisions.

ESC Activation/Malfunction Indicator Light And ESC OFF Indicator Light

The ESC Activation/Malfunction Indicator Light in the instrument cluster will come on when the ignition is placed in the ON/RUN mode. It should go out with the engine running. If the ESC Activation/Malfunction Indicator Light comes on continuously with the engine running, a malfunction has been detected in the ESC system. If this light remains on after several ignition cycles, and the

vehicle has been driven several miles (kilometers) at speeds greater than 30 mph (48 km/h), see an authorized dealer as soon as possible to have the problem diagnosed and corrected.

The ESC Activation/Malfunction Indicator Light starts to flash as soon as the tires lose traction and the ESC system becomes active. The ESC Activation/Malfunction Indicator Light also flashes when TCS is active. If the ESC Activation/Malfunction Indicator Light begins to flash during acceleration, ease up on the accelerator and apply as little throttle as possible. Be sure to adapt your speed and driving to the prevailing road conditions.



The ESC OFF Indicator Light indicates that the Electronic Stability Control (ESC) is in a reduced mode.

NOTE:

- The ESC Activation/Malfunction Indicator Light and the ESC OFF Indicator Light come on momentarily each time the ignition is placed in the ON/RUN mode.
- Each time the ignition is placed in the ON/RUN mode, the ESC system will be on even if it was turned off previously.
- The ESC system will make buzzing or clicking sounds when it is active. This is normal; the sounds will stop when ESC becomes inactive following the maneuver that caused the ESC activation.

Hill Start Assist (HSA)

HSA is designed to mitigate roll back from a complete stop while on an incline. If the driver releases the brake while stopped on an incline, HSA will continue to hold

the brake pressure for a short period. If the driver does not apply the throttle before this time expires, the system will release brake pressure and the vehicle will roll down the hill as normal.

The following conditions must be met in order for HSA to activate:

- The feature must be enabled.
- The vehicle must be stopped.
- The parking brake must be off.
- The driver door must be closed.
- The vehicle must be on a sufficient grade.
- The gear selection must match vehicle uphill direction (i.e., vehicle facing uphill is in forward gear; vehicle backing uphill is in REVERSE gear).
- HSA will work in REVERSE gear and all forward gears. The system will not activate if the transmission is in PARK or NEUTRAL.

WARNING!

There may be situations where the Hill Start Assist (HSA) will not activate and slight rolling may occur, such as on minor hills or with a loaded vehicle, or while pulling a trailer. HSA is not a substitute for active driving involvement. It is always the driver's responsibility to be attentive to distance to other vehicles, people, and objects, and most importantly brake operation to ensure safe operation of the vehicle under all road conditions. Your complete attention is always required while driving to maintain safe control of your vehicle. Failure to follow these warnings can result in a collision or serious personal injury.

Disabling And Enabling HSA

This feature can be turned on or turned off. To change the current setting, proceed as follows:

If disabling HSA using Uconnect Settings ➔ page 189.

Towing With HSA

HSA will also provide assistance to mitigate roll back while towing a trailer.

WARNING!

- If you use a trailer brake controller with your trailer, the trailer brakes may be activated and deactivated with the brake switch. If so, there may not be enough brake pressure to hold both the vehicle and the trailer on a hill when the brake pedal is released. In order to avoid rolling down an incline while resuming acceleration, manually activate the trailer brake or apply more vehicle brake pressure prior to releasing the brake pedal.
- HSA is not a parking brake. Always apply the parking brake fully when exiting your vehicle. Also, be certain to place the transmission in PARK.
- Failure to follow these warnings can result in a collision or serious personal injury.

Rain Brake Support (RBS)

RBS may improve braking performance in wet conditions. It will periodically apply a small amount of brake pressure to remove any water buildup on the front brake rotors. It functions when the windshield wipers are in LO or HI speed. When Rain Brake Support is active, there is no notification to the driver and no driver interaction is required.

Ready Alert Braking (RAB)

RAB may reduce the time required to reach full braking during emergency braking situations. It anticipates when an emergency braking situation may occur by monitoring how fast the throttle is released by the driver. The Electronic Brake Control system will prepare the brake system for a panic stop.

Selec-Speed Control (SSC) — If Equipped

SSC is intended for off-road driving in 4WD Low only. SSC maintains vehicle speed by actively controlling engine torque and brakes.

SSC has three states:

1. Off (feature is not enabled and will not activate)
2. Enabled (feature is enabled and ready but activation conditions are not met, or driver is actively overriding with brake or throttle application)
3. Active (feature is enabled and actively controlling vehicle speed)

Enabling SSC

SSC is enabled by pushing the SSC switch, but the following conditions must also be met to enable SSC:

- The driveline is in 4WD Low.
- The vehicle speed is below 5 mph (8 km/h).
- The parking brake is released.
- The driver door is closed.
- The driver is not applying throttle.

Activating SSC

Once SSC is enabled it will activate automatically once the following conditions are met:

- The driver releases the throttle.
- The driver releases the brake.

- The transmission is in any selection other than PARK.

- Your vehicle speed is below 20 mph (32 km/h).

The set speed for SSC is selectable by the driver, and can be adjusted by using the gear shift +/- . Additionally, the SSC set speed may be reduced when climbing a grade and the level of set speed reduction depends on the magnitude of grade. The following summarizes the SSC set speeds:

SSC Target Set Speeds

- 1st = 0.6 mph (1 km/h)
- 2nd = 1.2 mph (2 km/h)
- 3rd = 1.8 mph (3 km/h)
- 4th = 2.5 mph (4 km/h)
- 5th = 3.1 mph (5 km/h)
- 6th = 3.7 mph (6 km/h)
- 7th = 4.3 mph (7 km/h)
- 8th = 5 mph (8 km/h)
- 9th = 5.6 mph (9 km/h) — if equipped
- REVERSE = 0.6 mph (1 km/h)
- NEUTRAL = 1.2 mph (2 km/h)
- PARK = SSC remains enabled but not active

NOTE:

- During SSC, the +/- gear selector input is used for SSC target speed selection but will not affect the gear chosen by the transmission. While actively controlling SSC, the transmission will shift appropriately for the driver-selected set speed and corresponding driving conditions.
- SSC operation is influenced by Off Road+ drive mode if active. The differences may be notable to the driver as a varying level of aggressiveness.

Driver Override

The driver may override SSC activation with throttle or brake application at any time.

Deactivating SSC

SSC will be deactivated but remain available if any of the following conditions occur:

- The driver overrides SSC set speed with throttle or brake application.
- The vehicle speed exceeds 20 mph (32 km/h) but remains below 40 mph (64 km/h).
- The vehicle is shifted into PARK.

Disabling SSC

SSC will deactivate and be disabled if any of the following conditions occur:

- The driver pushes the SSC switch.
- The driveline is shifted out of the 4WD Low.
- The parking brake is applied.
- The driver door opens.
- The vehicle is driven greater than 20 mph (32 km/h) for greater than 70 seconds.
- The vehicle is driven greater than 40 mph (64 km/h). SSC will exist immediately.

Feedback To The Driver

The instrument cluster has an SSC icon and the SSC switch has a lamp which offers feedback to the driver about the state SSC is in.

- The cluster icon and switch lamp will illuminate and remain on solid when SSC is enabled or activated. These are the normal operating conditions for SSC.
- The cluster icon and switch lamp will flash for several seconds then extinguish when the driver pushes the SSC switch but enabled conditions are not met.

- The cluster icon and switch lamp will flash for several seconds then extinguish when SSC disables due to excess speed.
- The cluster icon and switch lamp will flash then extinguish when SSC deactivates due to overheated brakes.

WARNING!

SSC is only intended to assist the driver in controlling vehicle speed when driving in off road conditions. The driver must remain attentive to the driving conditions and is responsible for maintaining a safe vehicle speed.

Traction Control System (TCS)

The TCS monitors the amount of wheel spin of each of the driven wheels. If wheel spin is detected, the TCS may apply brake pressure to the spinning wheel(s) and/or reduce engine power to provide enhanced acceleration and stability. A feature of the TCS, Brake Limited Differential (BLD) functions similarly to a limited slip differential and controls the wheel spin across a driven axle. If one wheel on a driven axle is spinning faster than the other, the system will apply the brake of the spinning wheel. This will allow more engine torque to be applied to the wheel that is not spinning. BLD may remain enabled even if TCS and Electronic Stability Control (ESC) are in reduced modes.

Trailer Sway Control (TSC)

TSC uses sensors in the vehicle to recognize an excessively swaying trailer and will take the appropriate actions to attempt to stop the sway.

NOTE:

TSC cannot stop all trailers from swaying. Always use caution when towing a trailer and follow the trailer tongue weight recommendations ➡ page 169.

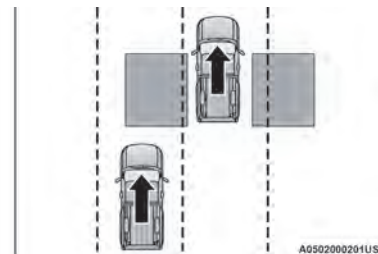
When TSC is functioning, the ESC Activation/Malfunction Indicator Light will flash, the engine power may be reduced and you may feel the brakes being applied to individual wheels to attempt to stop the trailer from swaying. TSC is disabled when the ESC system is in the "Partial Off" or "Full Off" modes.

WARNING!

If TSC activates while driving, slow the vehicle down, stop at the nearest safe location, and adjust the trailer load to eliminate trailer sway.

AUXILIARY DRIVING SYSTEMS**BLIND SPOT MONITORING (BSM) — IF EQUIPPED**

BSM uses two radar sensors, located inside the tail-lights, to detect highway licensable vehicles (automobiles, trucks, motorcycles, etc.) that enter the blind spot zones from the rear/front/side of the vehicle.

**Rear Detection Zones**

When the vehicle is started, the BSM Warning Light will momentarily illuminate in both outside rearview mirrors to let the driver know that the system is operational. The BSM system sensors operate when the vehicle is in any forward gear and enters standby mode when the vehicle is in PARK.

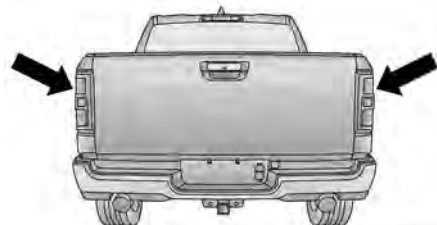
The BSM detection zone covers approximately one lane width on both sides of the vehicle 12 ft (3.8 m). The zone length starts at the outside rearview mirror and extends approximately 10 ft (3 m) beyond the rear fascia/bumper of the vehicle. The BSM system monitors the detection zones on both sides of the vehicle when the vehicle speed reaches approximately 6 mph (10 km/h) or higher and will alert the driver of vehicles in these areas.

NOTE:

- The BSM system DOES NOT alert the driver about rapidly approaching vehicles that are outside the detection zones.

- BSM may experience dropouts (blinking on and off) of the side mirror warning indicator lights when a motorcycle or any small object remains at the side of the vehicle for extended periods of time (more than a couple of seconds).

The BSM system can become blocked if snow, ice, mud, or other road contaminants accumulate on the rear fascia/bumper where the radar sensors are located. The system may also detect blockage if the vehicle is operated in areas with extremely low radar returns such as a desert or parallel to a large elevation drop. If blockage is detected, a “Blind Spot Temporarily Unavailable, Wipe Rear Corners” message will display in the cluster, both mirror lights will illuminate, and BSM and RCP alerts will not occur. This is normal operation. The system will automatically recover and resume function when the condition clears. To minimize system blockage, do not block the area of the rear fascia/bumper where the radar sensors are located with foreign objects (bumper stickers, bicycle racks, etc.) and keep it clear of road contaminants.



Radar Sensor Locations

A0502000132US

If the system detects degraded performance due to contamination or foreign objects, a message will warn you of a blocked sensor and the warning indicators in side view mirrors will be on. The warning indicators will remain illuminated until blockage clearing conditions are met. First clear the taillights around the sensors of the blockage. After removing the blockage, the following procedure can be used to reset the system:

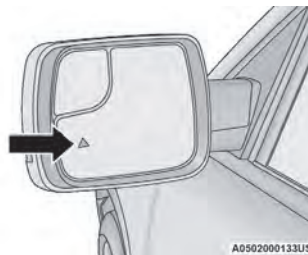
Cycle the ignition from ON to OFF and then back ON.

If the blockage message is still present after cycling the ignition and driving in traffic, check again for a blockage.

The system may also detect a blockage if the vehicle is operated in areas with extremely low radar returns such as a desert or parallel to a large elevation drop.

The BSM system notifies the driver of objects in the detection zones by illuminating the BSM Warning Light located in the outside mirrors, in addition to sounding an audible (chime) alert and reducing the radio volume

➞ page 238.



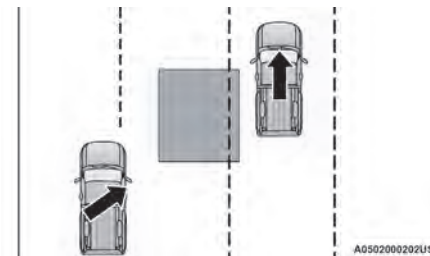
Warning Light Location

A0502000133US

The BSM system monitors the detection zone from three different entry points (side, rear, front) while driving to see if an alert is necessary. The BSM system will issue an alert during these types of zone entries.

Entering From The Side

Vehicles that move into your adjacent lanes from either side of the vehicle.

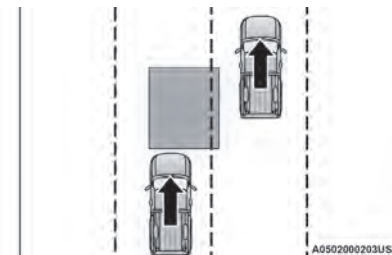


Side Monitoring

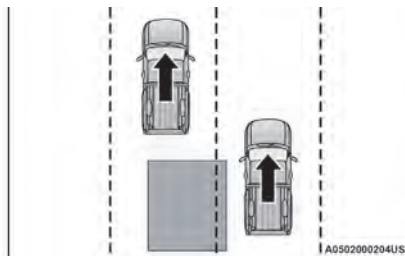
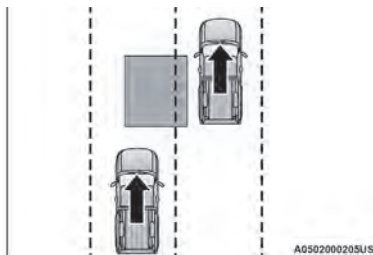
A0502000202US

Entering From The Rear

Vehicles that come up from behind your vehicle on either side and enter the rear detection zone with a relative speed of less than 30 mph (48 km/h).

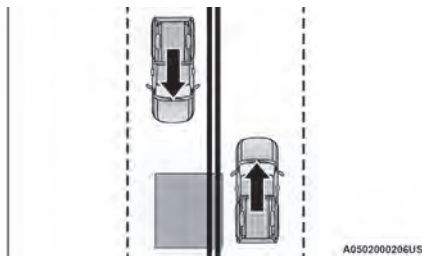
**Rear Monitoring****Overtaking Traffic**

If you pass another vehicle slowly with a relative speed less than 15 mph (24 km/h) and the vehicle remains in the blind spot for approximately 1.5 seconds, the warning light will be illuminated. If the difference in speed between the two vehicles is greater than 15 mph (24 km/h), the warning light will not illuminate.

**Overtaking/Approaching****Overtaking/Passing**

The BSM system is designed not to issue an alert on stationary objects such as guardrails, posts, walls, foliage, berms, snow banks, car washes, etc. However, occasionally the system may alert on such objects. This is normal operation and your vehicle does not require service.

The BSM system will not alert you of objects that are traveling in the opposite direction of the vehicle in adjacent lanes.

**Opposing Traffic**

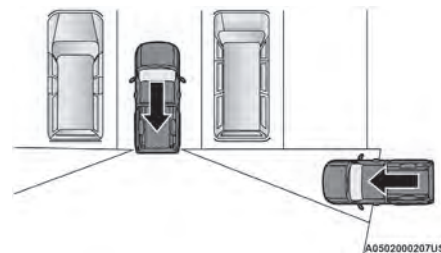
For information on how Blind Spot Monitoring functions when pulling a trailer ➞ page 238.

WARNING!

The Blind Spot Monitoring system is only an aid to help detect objects in the blind spot zones. The BSM system is not designed to detect pedestrians, bicyclists, or animals. Even if your vehicle is equipped with the BSM system, always check your vehicle's mirrors, glance over your shoulder, and use your turn signal before changing lanes. Failure to do so can result in serious injury or death.

Rear Cross Path (RCP)

RCP is intended to aid the driver when backing out of parking spaces where their vision of oncoming vehicles may be blocked. Proceed slowly and cautiously out of the parking space until the rear end of the vehicle is exposed. The RCP system will then have a clear view of the cross traffic, and if an oncoming vehicle is detected, alert the driver.

**RCP Detection Zones**

RCP monitors the rear detection zones on both sides of the vehicle, for objects that are moving toward the side of the vehicle with a minimum speed of approximately 3 mph (5 km/h), to objects moving a maximum of approximately 20 mph (32 km/h), such as in parking lot situations.

When RCP is on and the vehicle is in REVERSE (R), the driver is alerted using both the visual and audible alarms, including reducing the radio volume.

NOTE:

In a parking lot situation, oncoming vehicles can be blocked by vehicles parked on either side. If the sensors are blocked by other structures or vehicles, the system will not be able to alert the driver.

WARNING!

Rear Cross Path Detection (RCP) is not a backup aid system. It is intended to be used to help a driver detect an oncoming vehicle in a parking lot situation. Drivers must be careful when backing up, even when using RCP. Always check carefully behind your vehicle, look behind you, and be sure to check for pedestrians, animals, other vehicles, obstructions, and blind spots before backing up. Failure to do so can result in serious injury or death.

Blind Spot Modes

Blind Spot has three selectable modes of operation that are available in the Uconnect system.

Blind Spot Alert Lights Only

When operating in Blind Spot Alert mode, the BSM system will provide a visual alert in the appropriate side view mirror based on a detected object. However, when

the system is operating in Rear Cross Path (RCP) mode, the system will respond with both visual and audible alerts when a detected object is present. Whenever an audible alert is requested, the radio is muted.

Blind Spot Alert Lights/Chime

When operating in Blind Spot Alert Lights/Chime mode, the BSM system will provide a visual alert in the appropriate side view mirror based on a detected object. If the turn signal is then activated, and it corresponds to an alert present on that side of the vehicle, an audible chime will also be sounded. Whenever a turn signal and detected object are present on the same side at the same time, both the visual and audible alerts will be issued. In addition to the audible alert the radio (if on) will also be muted.

NOTE:

Whenever an audible alert is requested by the BSM system, the radio is also muted.

When the system is in RCP, the system shall respond with both visual and audible alerts when a detected object is present. Whenever an audible alert is requested, the radio is also muted. Turn/hazard signal status is ignored; the RCP state always requests the chime.

Blind Spot Alert Off

When the BSM system is turned off there will be no visual or audible alerts from either the BSM, RCP, or Trailer Merge Assist systems.

NOTE:

The BSM system will store the current operating mode when the vehicle is shut off. Each time the vehicle is started the previously stored mode will be recalled and used.

Trailer Merge Assist — If Equipped

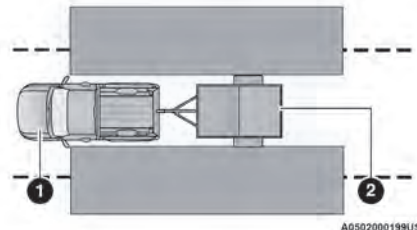
Trailer Merge Assist is a function of the Blind Spot Monitoring (BSM) system that extends the blind spot zone to work while pulling a trailer.

NOTE:

When Trailer Merge Assist is activated, Rear Cross Path is disabled.

Trailer Merge Assist consists of three sub functions:

- Automatic Trailer Detection
- Trailer Length Detection
- Trailer Merge Warning




Blind Spot Zones With Trailer Merge Assist


- 1 — Vehicle
2 — Trailer

Automatic Trailer Detection


There are two modes of operation for the detection of the trailer length:

- *Automatic Mode* — When "Auto Mode" is selected, the system will use the blind spot sensors to auto-

matically determine the presence and length of a trailer. The presence of a trailer will be detected using the blind spot radar within 90 seconds of forward movement of the vehicle. The vehicle must be moving above 6 mph (10 km/h) to activate the feature. Once the trailer has been detected, the system will default to the maximum blind spot zone until the length has been verified. You will see "Auto" in the instrument panel cluster .

- **Maximum Mode** — When "Max Mode" is selected, the system will default to the maximum blind spot zone regardless of what size trailer is attached .

NOTE:

Selected setting is stored when the ignition is placed in the OFF position. To change this setting, it must be selected through the Uconnect Settings  page 189.

Trailer Length Detection

Once the trailer presence has been established, the trailer length will be established (by making a 90 degree turn) and then the trailer length category (example 10-20 ft (3 m to 6 m)) will be displayed. This can take up to 30 seconds after completing the turn.

NOTE:

During the same ignition cycle, if the vehicle is at a standstill for a minimum of 90 seconds, a new "trailer detection request" is enabled by the system once the vehicle resumes motion.

The maximum trailer length supported by the Trailer Merge Assist feature is 39.5 ft (12 m). Trailer length is considered the forward most portion of the trailer hitch to the rearward most portion of the body, fascia/ bumper, or ramp of the trailer.

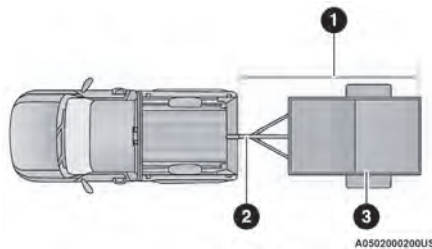
The maximum width supported by the Trailer Merge Assist feature is 8.5 ft (2.59 m). Trailer width is measured at the widest portion of the trailer and may include wheels, tires, fenders, or rails.

NOTE:

Fifth wheel or gooseneck trailers are not supported by Trailer Merge Assist.

NOTE:






The ability to detect a trailer may be degraded in crowded or busy environments. Busy parking lots, narrow areas surrounded with trees, or any other crowded area may prevent the radar sensors from being able to adequately detect the trailer. The system will try to detect a trailer at every ignition cycle or 90 seconds of standstill.



Trailer Length Detection

- 1 — Trailer Length
- 2 — Trailer Hitch
- 3 — Trailer Width


Trailer length will be identified and placed into one of the following categories:

- Trailer length up to 10 ft (3 m) — Blind spot zone will be adjusted to 10 ft (3 m)  .
- Trailer length between 10 ft to 20 ft (3 m to 6 m) — Blind spot zone will be adjusted to 20 ft (6 m) .
- Trailer length between 20 ft to 30 ft (6 m to 9 m) — Blind spot zone will be adjusted to 30 ft (9 m) .
- Trailer length between 30 ft and 39.5 ft (9 m to 12 m) — Blind spot zone will be adjusted to Max distance .

NOTE:

Trailer length is determined within +/- 3 ft (1 m) of actual length. Trailers that are the same size as the category limit, 10/20/30 ft (3/6/9 m), could be subject to being placed in the category above or below the correct one.

Trailer Merge Warning

Trailer Merge Warning is the extension of the blind spot function to cover the length of the trailer, plus a safety margin, to warn the driver when there is a vehicle in the adjacent lane. The driver is alerted by the illumination of the BSM Warning Light located in the outside mirror on the side the other vehicle is detected on. In addition, an audible (chime) alert will be heard and radio volume will be reduced  page 238.

NOTE:

- The Trailer Merge Alert system DOES NOT alert the driver about rapidly approaching vehicles that are outside the detection zones.
- The Blind Spot Monitoring (BSM) system may experience drop outs (blinking on and off) of the side mirror warning indicator lights when a motorcycle or any small object remains at the side of the vehicle for extended periods of time (more than a couple of seconds).
- Crowded areas such as parking lots, neighborhoods, etc. may lead to an increased amount of false alerts. This is normal operation.

WARNING!

The Blind Spot Monitoring system is only an aid to help detect objects in the blind spot zones. The BSM system is not designed to detect pedestrians, bicyclists, or animals. Even if your vehicle is equipped with the BSM system, always check your vehicle's mirrors, glance over your shoulder, and use your turn signal before changing lanes. Failure to do so can result in serious injury or death.

FORWARD COLLISION WARNING (FCW) WITH MITIGATION – IF EQUIPPED

FCW with Mitigation provides the driver with audible warnings, visual warnings (within the instrument cluster display), and may apply a brake jerk to warn the driver when it detects a potential frontal collision. The warnings and limited braking are intended to provide the driver with enough time to react, avoid or mitigate the potential collision.

NOTE:

FCW monitors the information from the forward looking sensors as well as the Electronic Brake Controller (EBC), to calculate the probability of a forward collision. When the system determines that a forward collision is probable, the driver will be provided with audible and visual warnings as well as a possible brake jerk warning.

If the driver does not take action based upon these progressive warnings, then the system will provide a limited level of active braking to help slow the vehicle and mitigate the potential forward collision. If the driver reacts to the warnings by braking and the system determines that the driver intends to avoid the collision by braking but has not applied sufficient brake force, the system will compensate and provide additional brake force as required.

If a FCW with Mitigation event begins at a speed below 32 mph (52 km/h), the system may provide the maximum braking possible to mitigate the potential forward collision. If the Forward Collision Warning with Mitigation event stops the vehicle completely, the system will hold the vehicle at standstill for two seconds and then release the brakes.

**FCW Message**

When the system determines a collision with the vehicle in front of you is no longer probable, the warning message will be deactivated.

NOTE:

- The minimum speed for FCW activation is 3 mph (5 km/h).
- The FCW alerts may be triggered on objects other than vehicles such as guardrails or sign posts based on the course prediction. This is expected and is a part of normal FCW activation and functionality.
- It is unsafe to test the FCW system. To prevent such misuse of the system, after four Active Braking events within a key cycle, the Active Braking portion of FCW will be deactivated until the next key cycle.
- The FCW system is intended for on-road use only. If the vehicle is taken off-road, the FCW system should be deactivated to prevent unnecessary warnings to the surroundings.

- FCW may not react to irrelevant objects such as overhead objects, ground reflections, objects not in the path of the vehicle, stationary objects that are far away, oncoming traffic, or leading vehicles with the same or higher rate of speed.
- FCW will be disabled like ACC, with the unavailable screens.

WARNING!

Forward Collision Warning (FCW) is not intended to avoid a collision on its own, nor can FCW detect every type of potential collision. The driver has the responsibility to avoid a collision by controlling the vehicle via braking and steering. Failure to follow this warning could lead to serious injury or death.

Turning FCW On Or Off

The default status of FCW is “on”; this allows the system to warn you of a possible collision with the vehicle in front of you.

The FCW button is located in the Uconnect display in the control settings ➞ page 189.

- To turn the FCW system on, press the forward collision button once.
- To turn the FCW system off, press the forward collision button once.

NOTE:

- When the FCW is “on”, this allows the system to warn the driver of a possible collision with the vehicle in front.

- When the FCW is “off”, this prevents the system from warning the driver of a possible collision with the vehicle in front. If the FCW is set to “off”, “FCW OFF” will be displayed in the instrument cluster display.
- When FCW status is set to “Only Warning”, this prevents the system from providing limited active braking, or additional brake support if the driver is not braking adequately in the event of a potential frontal collision.
- When FCW status is set to “Warning and Braking”, this allows the system to warn the driver of a possible collision with the vehicle in front using audible/visual warnings and it applies autonomous braking.
- The FCW system state is defaulted to “Full On” from one ignition cycle to the next. If the system is turned off, it will reset to “Full On” when the vehicle is restarted.

FCW Braking Status And Sensitivity

The FCW Sensitivity and Active Braking status are programmable through the Uconnect system ➞ page 189.

- Far
 - When the sensitivity of FCW is set to the “Far” setting and the system status is “Only Warning”, this allows the system to warn the driver of a possible more distant collision with the vehicle in front using audible/visual warnings.
 - More cautious drivers that do not mind frequent warnings may prefer this setting.

NOTE:

The “Far” setting may result in a greater number of FCW possible collision warnings experienced.

- Medium
 - When the sensitivity of FCW is set to the “Medium” setting and the system status is “Only Warning”, this allows the system to warn the driver of a possible collision with the vehicle in front using audible/visual warnings.
- Near
 - When the sensitivity of FCW is set to the “Near” setting and the system status is “Only Warning”, this allows the system to warn the driver of a possible closer collision with the vehicle in front using audible/visual warnings.
 - This setting provides less reaction time than the “Far” and “Medium” settings, which allows for a more dynamic driving experience.
 - More dynamic or aggressive drivers that want to avoid frequent warnings may prefer this setting.

NOTE:

The “Near” setting may result in a lesser number of FCW possible collision warnings experienced.

FCW Limited Warning

If the instrument cluster displays “ACC/FCW Limited Functionality” or “ACC/FCW Limited Functionality Clean Front Windshield” momentarily, there may be a condition that limits FCW functionality. Although the vehicle is still driveable under normal conditions, the active braking may not be fully available. Once the condition that limited the system performance is no longer present, the system will return to its full performance state. If the problem persists, see an authorized dealer.

Service FCW Warning

If the system turns off, and the instrument cluster displays:

- ACC/FCW Unavailable Service Required
- Cruise/FCW Unavailable Service Required

This indicates there is an internal system fault. Although the vehicle is still drivable under normal conditions, have the system checked by an authorized dealer.

Pedestrian Emergency Braking (PEB) — If Equipped

PEB is a subsystem of the FCW system that provides the driver with audible and visual warnings in the instrument cluster display, and may apply automatic braking when it detects a potential frontal collision with a pedestrian/cyclist.

If a PEB event begins at a speed below 37 mph (60 km/h), the system may provide braking to mitigate the potential collision with a pedestrian/cyclist. If the PEB event stops the vehicle completely, the system will hold the vehicle at a standstill for two seconds and then release the brakes. When the system determines a collision with the pedestrian/cyclist in front of you is no longer probable, the warning message will be deactivated.

The minimum speed for PEB activation is 3 mph (5 km/h).

WARNING!

Pedestrian Emergency Braking (PEB) is not intended to avoid a collision on its own, nor can PEB detect every type of potential collision with a pedestrian/cyclist. The driver has the responsibility to avoid a collision by controlling the vehicle via braking and steering. Failure to follow this warning could lead to serious injury or death.

Turning PEB On Or Off

NOTE:

The default status of PEB is “On.” This allows the system to warn you of a possible frontal collision with the pedestrian/cyclist.

The PEB button is located in the Uconnect display in the controls settings ➡ page 189.

To turn the PEB system off, push the Pedestrian Emergency Braking button once.

To turn the PEB system back on, push the Pedestrian Emergency Braking button again.

Changing the PEB status to “Off” deactivates the system, so no warning or active braking will be available in case of a possible frontal collision with the pedestrian/cyclist.

NOTE:

The PEB system will NOT retain the last setting selected by the driver after ignition shut down. The system will reset to the default setting when the vehicle is restarted.

TIRE PRESSURE MONITORING SYSTEM (TPMS)

TPMS will warn the driver of a low tire pressure based on the vehicle recommended cold placard pressure.

NOTE:

The TPMS Warning Light will illuminate in the instrument cluster and a chime will sound when tire pressure is low in one or more of the four active road tires. In addition, the instrument cluster will display a graphic showing the pressure values of each tire with the low tire pressure values in a different color, or the Uconnect radio will display a TPMS message; when this occurs you must increase the tire pressure to the recommended cold placard pressure in order for the TPMS Warning Light to turn off.

The tire pressure will vary with temperature by about 1 psi (7 kPa) for every 12°F (6.5°C). This means that when the outside temperature decreases, the tire pressure will decrease. Tire pressure should always be set based on cold inflation tire pressure. This is defined as the tire pressure after the vehicle has not been driven for at least three hours, or driven less than 1 mile (1.6 km) after a three hour period. The cold tire inflation pressure must not exceed the maximum inflation pressure molded into the tire sidewall. The tire pressure will also increase as the vehicle is driven — this is normal and there should be no adjustment for this increased pressure.

See ➡ page 326 on how to properly inflate the vehicle's tires.

The TPMS will warn the driver of a low tire pressure if the tire pressure falls below the low-pressure warning limit for any reason, including low temperature effects and natural pressure loss through the tire.

The TPMS will continue to warn the driver of low tire pressure as long as the condition exists, and will not turn off until the tire pressure is at or above the recommended cold placard pressure. Once the low TPMS Warning Light illuminates, increase the tire pressure to the recommended cold placard pressure in order for the TPMS Warning Light to turn off. The system will automatically update and the TPMS Warning Light will turn off once the system receives the updated tire pressures. The vehicle may need to be driven for up to 20 minutes above 15 mph (24 km/h) in order for the TPMS to receive this information.

NOTE:

When filling warm tires, the tire pressure may need to be increased up to an additional 4 psi (28 kPa) above the recommended cold placard pressure in order to turn the TPMS Warning Light off.

For example, your vehicle may have a recommended cold (parked for more than three hours) placard pressure of 30 psi (207 kPa). If the ambient temperature is 68°F (20°C) and the measured tire pressure is 27 psi (186 kPa), a temperature drop to 20°F (-7°C) will decrease the tire pressure to approximately 23 psi (158 kPa). This tire pressure is sufficiently low enough to turn on the TPMS Warning Light. Driving the vehicle may cause the tire pressure to rise to approximately 27 psi (186 kPa), but the TPMS Warning Light will still be on. In this situation, the TPMS Warning Light will turn off only after the tires are inflated to the vehicle's recommended cold placard pressure value.

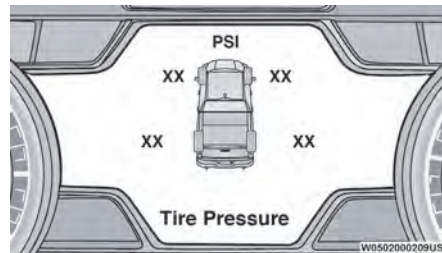
CAUTION!

- The TPMS has been optimized for the original equipment tires and wheels. TPMS pressures and warning have been established for the tire size equipped on your vehicle. Undesirable system operation or sensor damage may result when using replacement equipment that is not of the same size, type, and/or style. Aftermarket wheels can cause sensor damage.
- Using aftermarket tire sealants may cause the Tire Pressure Monitoring System (TPMS) sensor to become inoperable. After using an aftermarket tire sealant it is recommended that you take your vehicle to an authorized dealership to have your sensor function checked.
- After inspecting or adjusting the tire pressure always reinstall the valve stem cap. This will prevent moisture and dirt from entering the valve stem, which could damage the TPMS sensor.

NOTE:

- The TPMS is not intended to replace normal tire care and maintenance or to provide warning of a tire failure or condition.
- The TPMS should not be used as a tire pressure gauge while adjusting your tire pressure, unless your vehicle is equipped with a Tire Fill Alert (TFA) system.
- Driving on a significantly underinflated tire causes the tire to overheat and can lead to tire failure. Underinflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

- The TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure using an accurate tire pressure gauge, even if underinflation has not reached the level to trigger illumination of the TPMS Warning Light.
- Seasonal temperature changes will affect tire pressure, and the TPMS will monitor the actual tire pressure in the tire.



Tire Pressure Monitoring System Display

The Tire Pressure Monitoring System (TPMS) uses wireless technology with wheel rim mounted electronic sensors to monitor tire pressure levels. Sensors, mounted to each wheel as part of the valve stem, transmit tire pressure readings to the receiver module.

NOTE:

It is particularly important for you to check the tire pressure in all of the tires on your vehicle monthly and to maintain the proper pressure.

The TPMS consists of the following components:

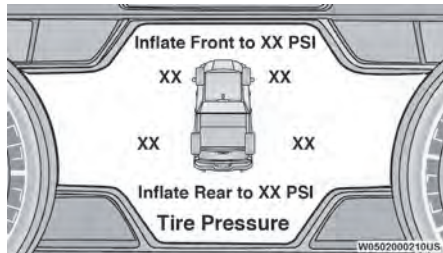
- Receiver module
- Four Tire Pressure Monitoring System sensors

- Various Tire Pressure Monitoring System messages, which display in the instrument cluster
- Tire Pressure Monitoring System Warning Light

Tire Pressure Monitoring System Low Pressure Warnings



The Tire Pressure Monitoring System (TPMS) Warning Light will illuminate in the instrument cluster and a chime will sound when tire pressure is low in one or more of the four active road tires. In addition, the instrument cluster will display a graphic showing the pressure values of each tire with the low tire pressure values in a different color. An "Inflate to XX" message will also be displayed.



Low Tire Pressure Display

Should this occur, you should stop as soon as possible and inflate the tires with a low pressure condition (those in a different color in the instrument cluster graphic) to the vehicle's recommended cold placard pressure inflation value as shown in the "Inflate to XX" message. Once the system receives the updated tire pressures, the system will automatically update, the graphic display in the instrument cluster will return to

its original color, and the Tire Pressure Monitoring System Warning Light will turn off. The vehicle may need to be driven for up to 20 minutes above 15 mph (24 km/h) in order for the TPMS to receive this information.

NOTE:

When filling warm tires, the tire pressure may need to be increased up to an additional 4 psi (28 kPa) above the recommended cold placard pressure in order to turn the Tire Pressure Monitoring System Warning Light off.

Service TPMS Warning

If a system fault is detected, the Tire Pressure Monitoring System (TPMS) Warning Light will flash on and off for 75 seconds and then remain on solid. The system fault will also sound a chime. In addition, the instrument cluster will display a "SERVICE TPM SYSTEM" message for a minimum of five seconds and then display dashes (-) in place of the pressure value to indicate which sensor is not being received.

If the ignition switch is cycled, this sequence will repeat, providing the system fault still exists. If the system fault no longer exists, the Tire Pressure Monitoring System Warning Light will no longer flash, and the "SERVICE TPM SYSTEM" message will no longer display, and a pressure value will display in place of the dashes. A system fault can occur due to any of the following:

- Signal interference due to electronic devices or driving next to facilities emitting the same radio frequencies as the Tire Pressure Monitoring System sensors
- Installing aftermarket window tinting that contains materials that may block radio wave signals
- Accumulation of snow or ice around the wheels or wheel housings
- Using tire chains on the vehicle
- Using wheels/tires not equipped with TPMS sensors

A system fault may occur due to an incorrect TPMS sensor location condition. When a system fault occurs due to an incorrect TPMS sensor location, the Tire Pressure Monitoring System (TPMS) Warning Light will flash on and off for 75 seconds and then remain on solid. The system fault will also sound a chime. In addition, the instrument cluster will display a Tire Pressure Temporarily Unavailable message in place of the tire pressure display screen. If the ignition switch is cycled, this sequence will repeat, providing the system fault still exists. If the system fault no longer exists, the "Tire Pressure Monitoring System Warning Light" will no longer flash and the tire pressure display screen will be displayed showing the tire pressure values the correct locations.

Vehicles With Non-Matching Full Size Spare Or Compact Spare

- The non-matching full size spare or compact spare tire does not have a TPMS sensor. Therefore, the TPMS will not monitor the pressure in the non-matching full size spare or compact spare tire.
- If you install the non-matching full size spare or compact spare tire in place of a road tire that has a pressure below the low-pressure warning limit, upon the next ignition switch cycle, the Tire Pressure Monitoring System (TPMS) Warning Light and a "LOW TIRE" message will remain on and a chime will sound. In addition, the graphic in the instrument cluster will still display a pressure value in a different color and an "Inflate to XX" message.

- After driving the vehicle for up to 20 minutes above 15 mph (24 km/h), the Tire Pressure Monitoring System (TPMS) Warning Light will flash on and off for 75 seconds and then remain on solid. In addition, the instrument cluster will display a "SERVICE TPM SYSTEM" message for a minimum of five seconds and then display dashes (–) in place of the pressure value.
- For each subsequent ignition switch cycle, a chime will sound, the Tire Pressure Monitoring System (TPMS) Warning Light will flash on and off for 75 seconds and then remain on solid, and the instrument cluster will display a "SERVICE TPM SYSTEM" message for a minimum of five seconds and then display dashes (–) in place of the pressure value.
- Once you repair or replace the original road tire and reinstall it on the vehicle in place of the non-matching full size spare or compact spare, the TPMS will update automatically. In addition, the Tire Pressure Monitoring System (TPMS) Warning Light will turn off and the graphic in the instrument cluster will display a new pressure value instead of dashes (–), as long as no tire pressure is below the low-pressure warning limit in any of the four active road tires. The vehicle may need to be driven for up to 20 minutes above 15 mph (24 km/h) in order for the TPMS to receive this information.

Tire Fill Alert

This feature notifies the user when the placard tire pressure is attained while inflating or deflating the tire. You may choose to disable or enable the Tire Fill Alert feature through use of the Uconnect Settings in the radio.

NOTE:

- Only one tire can be filled at a time when using the Tire Fill Alert system.
- The Tire Fill Alert feature cannot be entered if an existing TPMS fault is set to "active" or if the system is in deactivation mode (if equipped).

The system will be activated when a positive increase in tire pressure is detected by the TPMS while inflating the tire. The ignition must be in the RUN mode, with the transmission in PARK.

NOTE:

It is not required to have the engine running to enter Tire Fill Alert mode.

The hazard lamps will come on to confirm the vehicle is in Tire Fill Alert mode.

When Tire Fill Alert mode is entered, the tire pressure display screen will be displayed in the instrument cluster.

If the hazard lamps do not come on while inflating the tire, the TPMS sensor may be out of range preventing the TPMS sensor signal from being received. In this case, the vehicle may need to be moved either forward or backward slightly to exit the null spot.

Operation:

- The horn will sound once to let the user know when to stop filling the tire, when it reaches recommended pressure.
- The horn will sound three times if the tire is over-filled and will continue to sound every five seconds if the user continues to inflate the tire.
- The horn will sound once again when enough air is let out to reach proper inflation level.

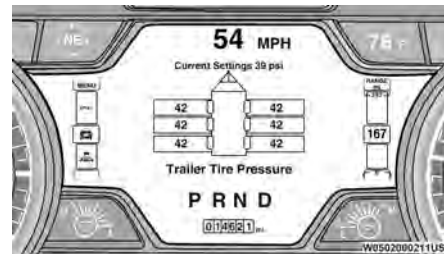
- The horn will also sound three times if the tire is then underinflated and will continue to sound every five seconds if the user continues to deflate the tire.

Trailer Tire Pressure Monitoring System (TTPMS) — If Equipped

The Trailer Tire Pressure Monitoring System (TTPMS) is a feature that displays the trailer tire pressure values and warns the driver of a low tire pressure event based on the driver's set target tire pressure value, through TTPMS settings found in the radio.

The TTPMS monitors the pressure of each tire and warns the driver through the instrument cluster, when either a low tire pressure condition falls below 25% of the driver's set pressure or if a system malfunction occurs. The instrument cluster will display the actual tire pressure or dashes for each of the trailer tires in the correct trailer position, based on trailer configuration. The TTPMS can support up to 12 trailer tires per configured trailer on up to four configurable trailers


➞ page 189.



Trailer Tire Pressure Monitoring System

Trailer Tire Pressure Sensor Pairing

In order use this feature, the provided tire pressure sensors must be installed in the desired trailer tires and the sensors must be paired to the truck. If the target trailer requires more than the provided four sensors, additional sensors can be purchased at an authorized Ram dealership.

With the sensors installed and the trailer near or connected to your Ram truck, initiate the pairing process by entering the settings menu in the radio and selecting trailer. Select the desired trailer profile to pair to, open the "Tire Pressure" menu, and hit "Setup All Tires"  page 189.

NOTE:

The vehicle may not be driven until the pairing process is complete.



Trailer Tire Pressure Settings



Trailer Tire Pressure Pairing

Follow the on screen prompts to select the number of axles (1-3), the number of trailer tires (2, 4, 6, 8, or 12), and the set trailer tire pressure. The range is selectable anywhere between 25-125 psi (172-862 kPa).

Once psi (kPa) is programmed, the pairing screen appears. Tire sensors must be paired in order shown. Starting with Tire 1, deflate tire by 5 psi (34 kPa) and wait for a horn chirp. It may take up to three minutes for the chirp to occur, indicating that the sensor has paired. Repeat process on each tire, in order, until complete. Do not exit the pairing screen until process is complete. If pairing was unsuccessful, a double horn chirp will sound, and a prompt on the touchscreen will allow you to retry the procedure; "Retry" will only appear when setup fails. Each tire must be successfully paired during a single pairing process to receive the success screen.

NOTE:

If the pairing process times out after three minutes of no communication with a sensor, a double horn chirp will occur indicating the pairing has failed and a message will display on the radio indicating the process was unsuccessful. Under certain circumstances, the double horn chirp may continue to happen every three minutes indicating the failed pairing. If this happens, the horn chirping may be canceled by cycling the ignition button OFF and then back to RUN position.

Tire Pressure Monitoring System Low Pressure Warnings

When a tire pressure low in one or more of the active road tires is detected, the instrument cluster will display a message stating "Trailer Tire Pressure Low". The instrument cluster will then display the TTPMS graphic showing the pressure values of each tire with the low tire pressure values in a different color.

Should this occur, you should stop as soon as possible and inflate the tires with a low pressure condition (those in a different color in the instrument cluster graphic) to the customer programmed target tire pressure value as shown at the top of the TTPMS instrument cluster graphic. Once the tire(s) are inflated, the system will automatically update the graphic display in the instrument cluster, returning to its original color. The vehicle may need to be driven for up to 10 minutes above 15 mph (24 km/h) in order for the TTPMS to receive the updated information.

Service TTPMS Warning

If a system fault is detected, the instrument cluster will display a "Trailer Tire Pressure System Service Required" message for a minimum of five seconds.

Once the system fault is corrected the "Trailer Tire Pressure System Service Required" message will no longer be displayed. The vehicle may need to be driven for up to 10 minutes above 15 mph (24 km/h) in order for the TTPMS to receive the trailer tire pressure information.

Trailer Tire Pressure System Not Configured

A "Trailer Tire Pressure System Not Configured" message will be displayed in the instrument cluster on the TTPMS instrument cluster graphic when a trailer number is selected that has not had trailer tire pressure sensors paired. To correct this condition, see [page 189](#).

Trailer Sensors Detected Do Not Match Active Trailer

The "Trailer Sensors Detected Do Not Match Active Trailer" message will be displayed in the instrument cluster when the trailer sensors being received by the TTPMS module do not match the trailer sensors paired to the current trailer number selected. This message will be displayed when the sensors being received completely match the sensors paired to another trailer number configured in the TTPMS module.

To correct this condition, the correct trailer number must be selected in the radio [page 189](#).

OCCUPANT RESTRAINT SYSTEMS

Some of the most important safety features in your vehicle are the restraint systems:

OCCUPANT RESTRAINT SYSTEMS FEATURES

- Seat Belt Systems
- Supplemental Restraint Systems (SRS) Air Bags
- Child Restraints

Some of the safety features described in this section may be standard equipment on some models, or may be optional equipment on others. If you are not sure, ask an authorized dealer.

IMPORTANT SAFETY PRECAUTIONS

Please pay close attention to the information in this section. It tells you how to use your restraint system properly, to keep you and your passengers as safe as possible.

Here are some simple steps you can take to minimize the risk of harm from a deploying air bag:

1. Children 12 years old and under should always ride buckled up in the rear seat of a vehicle with a rear seat.



Warning Label On Front Passenger Sun Visor

2. A child who is not big enough to wear the vehicle seat belt properly must be secured in the appropriate child restraint or belt-positioning booster seat in a rear seating position [page 261](#).

3. If a child from 2 to 12 years old (not in a rear-facing child restraint) must ride in the front passenger seat, move the seat as far back as possible and use the proper child restraint [page 261](#).
4. Never allow children to slide the shoulder belt behind them or under their arm.
5. You should read the instructions provided with your child restraint to make sure that you are using it properly.
6. All occupants should always wear their lap and shoulder belts properly.
7. The driver and front passenger seats should be moved back as far as practical to allow the front air bags room to inflate.
8. Do not lean against the door or window. If your vehicle has side air bags, and deployment occurs, the side air bags will inflate forcefully into the space between occupants and the door and occupants could be injured.
9. If the air bag system in this vehicle needs to be modified to accommodate a disabled person, see your customer service contact information. [page 343](#)

WARNING!

- NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.
- Never install a rear-facing child restraint in the front seat of a vehicle. Only use a rear-facing child restraint in the rear seat. If the vehicle does not have a rear seat, do not transport a rear-facing child restraint in that vehicle.

(Continued)

WARNING!

- A deploying passenger front air bag can cause death or serious injury to a child 12 years or younger, including a child in a rear-facing child restraint.

SEAT BELT SYSTEMS

Buckle up even though you are an excellent driver, even on short trips. Someone on the road may be a poor driver and could cause a collision that includes you. This can happen far away from home or on your own street.

Research has shown that seat belts save lives, and they can reduce the seriousness of injuries in a collision. Some of the worst injuries happen when people are thrown from the vehicle. Seat belts reduce the possibility of ejection and the risk of injury caused by striking the inside of the vehicle. Everyone in a motor vehicle should be belted at all times.

Enhanced Seat Belt Use Reminder System (BeltAlert)

Driver And Passenger BeltAlert — If Equipped



BeltAlert is a feature intended to remind the driver and outboard front seat passenger (if equipped with outboard front passenger seat BeltAlert) to buckle their seat belts. The BeltAlert feature is active whenever the ignition switch is in the START or ON/RUN position.

Initial Indication

If the driver is unbuckled when the ignition switch is first in the START or ON/RUN position, a chime will signal for a few seconds. If the driver or outboard front

seat passenger (if equipped with outboard front passenger seat BeltAlert) is unbuckled when the ignition switch is first in the START or ON/RUN position the Seat Belt Reminder Light will turn on and remain on until both outboard front seat belts are buckled. The outboard front passenger seat BeltAlert is not active when an outboard front passenger seat is unoccupied.

BeltAlert Warning Sequence

The BeltAlert warning sequence is activated when the vehicle is moving above a specified vehicle speed range and the driver or outboard front seat passenger is unbuckled (if equipped with outboard front passenger seat BeltAlert) (the outboard front passenger seat BeltAlert is not active when the outboard front passenger seat is unoccupied). The BeltAlert warning sequence starts by blinking the Seat Belt Reminder Light and sounding an intermittent chime. Once the BeltAlert warning sequence has completed, the Seat Belt Reminder Light will remain on until the seat belts are buckled. The BeltAlert warning sequence may repeat based on vehicle speed until the driver and occupied outboard front seat passenger seat belts are buckled. The driver should instruct all occupants to buckle their seat belts.

Change Of Status

If the driver or outboard front seat passenger (if equipped with outboard front passenger seat BeltAlert) unbuckles their seat belt while the vehicle is traveling, the BeltAlert warning sequence will begin until the seat belts are buckled again.

The outboard front passenger seat BeltAlert is not active when the outboard front passenger seat is unoccupied. BeltAlert may be triggered when an animal or other items are placed on the outboard front passenger seat or when the seat is folded flat (if equipped). It is

recommended that pets be restrained in the rear seat (if equipped) in pet harnesses or pet carriers that are secured by seat belts, and cargo is properly stowed.

BeltAlert can be activated or deactivated by an authorized dealer. FCA does not recommend deactivating BeltAlert.

NOTE:

If BeltAlert has been deactivated and the driver or outboard front seat passenger (if equipped with outboard front passenger seat BeltAlert) is unbuckled the Seat Belt Reminder Light will turn on and remain on until the driver and outboard front seat passenger seat belts are buckled.

Lap/Shoulder Belts

All seating positions in your vehicle are equipped with lap/shoulder belts.

The seat belt webbing retractor will lock only during very sudden stops or collisions. This feature allows the shoulder part of the seat belt to move freely with you under normal conditions. However, in a collision the seat belt will lock and reduce your risk of striking the inside of the vehicle or being thrown out of the vehicle.

WARNING!

- Relying on the air bags alone could lead to more severe injuries in a collision. The air bags work with your seat belt to restrain you properly. In some collisions, the air bags won't deploy at all. Always wear your seat belt even though you have air bags.

(Continued)

WARNING!

- In a collision, you and your passengers can suffer much greater injuries if you are not properly buckled up. You can strike the interior of your vehicle or other passengers, or you can be thrown out of the vehicle. Always be sure you and others in your vehicle are buckled up properly.
- It is dangerous to ride in a cargo area, inside or outside of a vehicle. In a collision, people riding in these areas are more likely to be seriously injured or killed.
- Do not allow people to ride in any area of your vehicle that is not equipped with seats and seat belts.
- Be sure everyone in your vehicle is in a seat and using a seat belt properly. Occupants, including the driver, should always wear their seat belts whether or not an air bag is also provided at their seating position to minimize the risk of severe injury or death in the event of a crash.
- Wearing your seat belt incorrectly could make your injuries in a collision much worse. You might suffer internal injuries, or you could even slide out of the seat belt. Follow these instructions to wear your seat belt safely and to keep your passengers safe, too.
- Two people should never be belted into a single seat belt. People belted together can crash into one another in a collision, hurting one another badly. Never use a lap/shoulder belt or a lap belt for more than one person, no matter what their size.

WARNING!

- A lap belt worn too high can increase the risk of injury in a collision. The seat belt forces won't be at the strong hip and pelvic bones, but across your abdomen. Always wear the lap part of your seat belt as low as possible and keep it snug.
- A twisted seat belt may not protect you properly. In a collision, it could even cut into you. Be sure the seat belt is flat against your body, without twists. If you can't straighten a seat belt in your vehicle, take it to an authorized dealer immediately and have it fixed.
- A seat belt that is buckled into the wrong buckle will not protect you properly. The lap portion could ride too high on your body, possibly causing internal injuries. Always buckle your seat belt into the buckle nearest you.
- A seat belt that is too loose will not protect you properly. In a sudden stop, you could move too far forward, increasing the possibility of injury. Wear your seat belt snugly.
- A seat belt that is worn under your arm is dangerous. Your body could strike the inside surfaces of the vehicle in a collision, increasing head and neck injury. A seat belt worn under the arm can cause internal injuries. Ribs aren't as strong as shoulder bones. Wear the seat belt over your shoulder so that your strongest bones will take the force in a collision.
- A shoulder belt placed behind you will not protect you from injury during a collision. You are more likely to hit your head in a collision if you do not wear your shoulder belt. The lap and shoulder belt are meant to be used together.

WARNING!

- A frayed or torn seat belt could rip apart in a collision and leave you with no protection. Inspect the seat belt system periodically, checking for cuts, frays, or loose parts. Damaged parts must be replaced immediately. Do not disassemble or modify the seat belt system. If your vehicle is involved in a collision, or if you have questions regarding seat belt or retractor conditions, take your vehicle to an authorized FCA dealer for inspection.

Lap/Shoulder Belt Operating Instructions

1. Enter the vehicle and close the door. Sit back and adjust the seat.
2. The seat belt latch plate is above the back of the front seat, and next to your arm in the rear seat (for vehicles equipped with a rear seat). Grab the latch plate and pull out the seat belt. Slide the latch plate up the webbing as far as necessary to allow the seat belt to go around your lap.

(Continued)



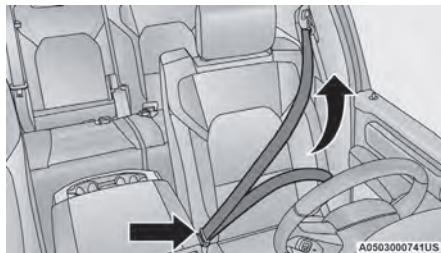
Pulling Out The Latch Plate

- When the seat belt is long enough to fit, insert the latch plate into the buckle until you hear a “click.”



Inserting Latch Plate Into Buckle

- Position the lap belt so that it is snug and lies low across your hips, below your abdomen. To remove slack in the lap belt portion, pull up on the shoulder belt. To loosen the lap belt if it is too tight, tilt the latch plate and pull on the lap belt. A snug seat belt reduces the risk of sliding under the seat belt in a collision.



Positioning The Lap Belt

- Position the shoulder belt across the shoulder and chest with minimal, if any slack so that it is comfortable and not resting on your neck. The retractor will withdraw any slack in the shoulder belt.
- To release the seat belt, push the red button on the buckle. The seat belt will automatically retract to its stowed position. If necessary, slide the latch plate down the webbing to allow the seat belt to retract fully.

Lap/Shoulder Belt Untwisting Procedure

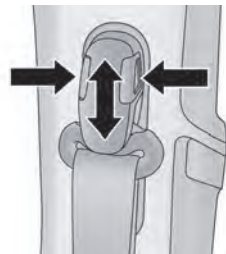
Use the following procedure to untwist a twisted lap/shoulder belt.

- Position the latch plate as close as possible to the anchor point.
- At about 6 to 12 inches (15 to 30 cm) above the latch plate, grab and twist the seat belt webbing 180 degrees to create a fold that begins immediately above the latch plate.

- Slide the latch plate upward over the folded webbing. The folded webbing must enter the slot at the top of the latch plate.
- Continue to slide the latch plate up until it clears the folded webbing and the seat belt is no longer twisted.

Adjustable Upper Shoulder Belt Anchorage

In the driver and outboard front passenger seats, the top of the shoulder belt can be adjusted upward or downward to position the seat belt away from your neck. Push or squeeze the anchorage button to release the anchorage, and move it up or down to the position that serves you best.



Adjustable Anchorage

As a guide, if you are shorter than average, you will prefer the shoulder belt anchorage in a lower position, and if you are taller than average, you will prefer the shoulder belt anchorage in a higher position. After you release the anchorage button, try to move it up or down to make sure that it is locked in position.

NOTE:

The adjustable upper shoulder belt anchorage is equipped with an Easy Up feature. This feature allows the shoulder belt anchorage to be adjusted in the upward position without pushing or squeezing the release button. To verify the shoulder belt anchorage is latched, pull downward on the shoulder belt anchorage until it is locked into position.

WARNING!

- Wearing your seat belt incorrectly could make your injuries in a collision much worse. You might suffer internal injuries, or you could even slide out of the seat belt. Follow these instructions to wear your seat belt safely and to keep your passengers safe, too.
- Position the shoulder belt across the shoulder and chest with minimal, if any slack so that it is comfortable and not resting on your neck. The retractor will withdraw any slack in the shoulder belt.
- Misadjustment of the seat belt could reduce the effectiveness of the safety belt in a crash.
- Always make all seat belt height adjustments when the vehicle is stationary.

Seat Belts And Pregnant Women**Seat Belts And Pregnant Women**

Seat belts must be worn by all occupants including pregnant women: the risk of injury in the event of an accident is reduced for the mother and the unborn child if they are wearing a seat belt.

Position the lap belt snug and low below the abdomen and across the strong bones of the hips. Place the shoulder belt across the chest and away from the neck. Never place the shoulder belt behind the back or under the arm.

Seat Belt Pretensioner

The front outboard seat belt system is equipped with pretensioning devices that are designed to remove slack from the seat belt in the event of a collision. These devices may improve the performance of the seat belt by removing slack from the seat belt early in a collision. Pretensioners work for all size occupants, including those in child restraints.

NOTE:

These devices are not a substitute for proper seat belt placement by the occupant. The seat belt still must be worn snugly and positioned properly.

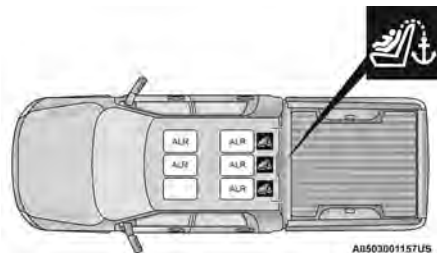
The pretensioners are triggered by the Occupant Restraint Controller (ORC). Like the air bags, the pretensioners are single use items. A deployed pretensioner or a deployed air bag must be replaced immediately.

Energy Management Feature

The front outboard seat belt system is equipped with an Energy Management feature that may help further reduce the risk of injury in the event of a collision. The seat belt system has a retractor assembly that is designed to release webbing in a controlled manner.

Switchable Automatic Locking Retractors (ALR)

The seat belts in the passenger seating positions are equipped with a Switchable Automatic Locking Retractor (ALR) which is used to secure a child restraint system → page 268. The figure below illustrates the locking feature for each seating position.



Automatic Locking Retractor — (ALR) Locations (All Models)

If the passenger seating position is equipped with an ALR and is being used for normal usage, only pull the seat belt webbing out far enough to comfortably wrap around the occupant's mid-section so as to not activate the ALR. If the ALR is activated, you will hear a clicking sound as the seat belt retracts. Allow the webbing to retract completely in this case and then carefully pull out only the amount of webbing necessary to comfortably wrap around the occupant's mid-section. Slide the latch plate into the buckle until you hear a "click."

In Automatic Locking Mode, the shoulder belt is automatically pre-locked. The seat belt will still retract to remove any slack in the shoulder belt. Use the Automatic Locking Mode anytime a child restraint is installed in a seating position that has a seat belt with this feature. Children 12 years old and under should always be properly restrained in the rear seat of a vehicle with a rear seat.

WARNING!

- NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.
- Never install a rear-facing child restraint in the front seat of a vehicle. Only use a rear-facing child restraint in the rear seat. If the vehicle does not have a rear seat, do not transport a rear-facing child restraint in that vehicle.
- A deploying passenger front air bag can cause death or serious injury to a child 12 years or younger, including a child in a rear-facing child restraint.

How To Engage The Automatic Locking Mode

1. Buckle the combination lap and shoulder belt.
2. Grab the shoulder portion and pull downward until the entire seat belt is extracted.
3. Allow the seat belt to retract. As the seat belt retracts, you will hear a clicking sound. This indicates the seat belt is now in the Automatic Locking Mode.

How To Disengage The Automatic Locking Mode

Unbuckle the combination lap/shoulder belt and allow it to retract completely to disengage the Automatic Locking Mode and activate the vehicle sensitive (emergency) locking mode.

WARNING!


- The seat belt assembly must be replaced if the switchable Automatic Locking Retractor (ALR) feature or any other seat belt function is not working properly when checked according to the procedures in the Service Manual.
- Failure to replace the seat belt assembly could increase the risk of injury in collisions.
- Do not use the Automatic Locking Mode to restrain occupants who are wearing the seat belt or children who are using booster seats. The locked mode is only used to install rear-facing or forward-facing child restraints that have a harness for restraining the child.

SUPPLEMENTAL RESTRAINT SYSTEMS (SRS)

Some of the safety features described in this section may be standard equipment on some models, or may be optional equipment on others. If you are not sure, ask an authorized dealer.

The air bag system must be ready to protect you in a collision. The Occupant Restraint Controller (ORC) monitors the internal circuits and interconnecting wiring associated with the electrical Air Bag System Components. Your vehicle may be equipped with the following Air Bag System Components:

Air Bag System Components

- Occupant Restraint Controller (ORC)
- Air Bag Warning Light 
- Steering Wheel and Column

- Instrument Panel
- Knee Impact Bolsters
- Driver and Front Passenger Air Bags
- Seat Belt Buckle Switch
- Supplemental Side Air Bags
- Front and Side Impact Sensors
- Seat Belt Pretensioners
- Seat Track Position Sensors
- Occupant Classification System

Air Bag Warning Light



The Occupant Restraint Controller (ORC) monitors the readiness of the electronic parts of the air bag system whenever the ignition switch is in the START or ON/RUN position. If the ignition switch is in the OFF position or in the ACC position, the air bag system is not on and the air bags will not inflate.

The ORC contains a backup power supply system that may deploy the air bag system even if the battery loses power or it becomes disconnected prior to deployment. The ORC turns on the Air Bag Warning Light in the instrument panel for approximately four to eight seconds for a self-check when the ignition switch is first in the ON/RUN position. After the self-check, the Air Bag Warning Light will turn off. If the ORC detects a malfunction in any part of the system, it turns on the Air Bag Warning Light, either momentarily or continuously. A single chime will sound to alert you if the light comes on again after initial startup.

The ORC also includes diagnostics that will illuminate the instrument panel Air Bag Warning Light if a malfunction is detected that could affect the air bag system. The diagnostics also record the nature of the malfunction. While the air bag system is designed to be

maintenance free, if any of the following occurs, have an authorized dealer service the air bag system immediately.

- The Air Bag Warning Light does not come on during the four to eight seconds when the ignition switch is first in the ON/RUN position.
- The Air Bag Warning Light remains on after the four to eight-second interval.
- The Air Bag Warning Light comes on intermittently or remains on while driving.

NOTE:

If the speedometer, tachometer, or any engine related gauges are not working, the Occupant Restraint Controller (ORC) may also be disabled. In this condition the air bags may not be ready to inflate for your protection. Have an authorized dealer service the air bag system immediately.

WARNING!

Ignoring the Air Bag Warning Light in your instrument panel could mean you won't have the air bag system to protect you in a collision. If the light does not come on as a bulb check when the ignition is first turned on, stays on after you start the vehicle, or if it comes on as you drive, have an authorized dealer service the air bag system immediately.

Redundant Air Bag Warning Light

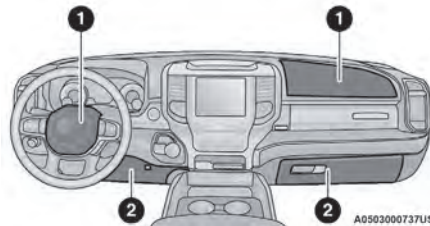


If a fault with the Air Bag Warning Light is detected, which could affect the Supplemental Restraint System (SRS), the Redundant Air Bag Warning Light will illuminate on the instrument panel. The Redundant Air Bag Warning Light

will stay on until the fault is cleared. In addition, a single chime will sound to alert you that the Redundant Air Bag Warning Light has come on and a fault has been detected. If the Redundant Air Bag Warning Light comes on intermittently or remains on while driving have an authorized dealer service the vehicle immediately → page 101.

Front Air Bags

This vehicle has front air bags and lap/shoulder belts for both the driver and front passenger. The front air bags are a supplement to the seat belt restraint systems. The driver front air bag is mounted in the center of the steering wheel. The passenger front air bag is mounted in the instrument panel, above the glove compartment. The words "SRS AIRBAG" or "AIRBAG" are embossed on the air bag covers.



Front Air Bag/Knee Bolster Locations

- 1 — Driver And Passenger Front Air Bags
- 2 — Driver And Passenger Knee Impact Bolsters

WARNING!

- Being too close to the steering wheel or instrument panel during front air bag deployment could cause serious injury, including death. Air bags need room to inflate. Sit back, comfortably extending your arms to reach the steering wheel or instrument panel.
- NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.
- Never install a rear-facing child restraint in the front seat of a vehicle. Only use a rear-facing child restraint in the rear seat. If the vehicle does not have a rear seat, do not transport a rear-facing child restraint in that vehicle.
- A deploying passenger front air bag can cause death or serious injury to a child 12 years or younger, including a child in a rear-facing child restraint.

Driver And Passenger Front Air Bag Features

The Advanced Front Air Bag system has multistage driver and front passenger air bags. This system provides output appropriate to the severity and type of collision as determined by the Occupant Restraint Controller (ORC), which may receive information from the front impact sensors (if equipped) or other system components.

The first stage inflator is triggered immediately during an impact that requires air bag deployment. A low energy output is used in less severe collisions. A higher energy output is used for more severe collisions.

This vehicle may be equipped with a driver and/or front passenger seat belt buckle switch that detects whether the driver or front passenger seat belt is buckled. The seat belt buckle switch may adjust the inflation rate of the Advanced Front Air Bags.

This vehicle may be equipped with driver and/or front passenger seat track position sensors that may adjust the inflation rate of the Advanced Front Air Bags based upon seat position.

This vehicle is equipped with a right front passenger Occupant Classification System ("OCS") that is designed to provide Passenger Advanced Front Air Bag output appropriate to the occupant's seated weight input, as determined by the OCS.

WARNING!

- No objects should be placed over or near the air bag on the instrument panel or steering wheel because any such objects could cause harm if the vehicle is in a collision severe enough to cause the air bag to inflate.
- Do not put anything on or around the air bag covers or attempt to open them manually. You may damage the air bags and you could be injured because the air bags may no longer be functional. The protective covers for the air bag cushions are designed to open only when the air bags are inflating.
- Relying on the air bags alone could lead to more severe injuries in a collision. The air bags work with your seat belt to restrain you properly. In some collisions, air bags won't deploy at all. Always wear your seat belts even though you have air bags.

Front Air Bag Operation

Front Air Bags are designed to provide additional protection by supplementing the seat belts. Front air bags are not expected to reduce the risk of injury in rear, side, or rollover collisions. The front air bags will not deploy in all frontal collisions, including some that may produce substantial vehicle damage — for example, some pole collisions, truck underrides, and angle offset collisions.

On the other hand, depending on the type and location of impact, front air bags may deploy in crashes with little vehicle front-end damage but that produce a severe initial deceleration.

Because air bag sensors measure vehicle deceleration over time, vehicle speed and damage by themselves are not good indicators of whether or not an air bag should have deployed.

Seat belts are necessary for your protection in all collisions, and also are needed to help keep you in position, away from an inflating air bag.


When the Occupant Restraint Controller (ORC) detects a collision requiring the front air bags, it signals the inflator units. A large quantity of non-toxic gas is generated to inflate the front air bags.

The steering wheel hub trim cover and the upper passenger side of the instrument panel separate and fold out of the way as the air bags inflate to their full size. The front air bags fully inflate in less time than it takes to blink your eyes. The front air bags then quickly deflate while helping to restrain the driver and front passenger.

Occupant Classification System (OCS) — Front Passenger Seat

The Occupant Classification System (OCS) is part of a Federally regulated safety system for this vehicle. It is designed to provide Passenger Advanced Front Air Bag output appropriate to the occupant's seated weight, as determined by the OCS.

The Occupant Classification System (OCS) consists of the following:

- Occupant Restraint Controller (ORC)
- Occupant Classification Module (OCM) and Sensor located in the front passenger seat
- Air Bag Warning Light 

Occupant Classification Module (OCM) And Sensor

The Occupant Classification Module (OCM) is located underneath the front passenger seat. The Sensor is located beneath the passenger seat cushion foam. Any weight on the seat will be sensed by the Sensor. The OCM uses input from the Sensor to determine the front passenger's most probable classification. The OCM communicates this information to the ORC. The ORC may reduce the inflation rate of the Passenger Advanced Front Air Bag deployment based on occupant classification. In order for the OCS to operate as designed, it is important for the front passenger to be seated properly and properly wearing the seat belt.

The OCS will NOT prevent deployment of the Passenger Advanced Front Air Bag. The OCS may reduce the inflation rate of the Passenger Advanced Front Air Bag if the OCS estimates that:

- The front passenger seat is unoccupied or has very light objects on it; or
- The front passenger seat is occupied by a small passenger, including a child; or
- The front passenger seat is occupied by a rear-facing child restraint; or
- The front passenger is not properly seated or his or her weight is taken off of the seat for a period of time.

Front Passenger Seat Occupant Status	Front Passenger Air Bag Output
Rear-facing child restraint	Reduced-power deployment
Child, including a child in a forward-facing child restraint or booster seat*	Reduced-power deployment OR full-power deployment
Properly seated adult	Full-power deployment OR reduced-power deployment
Unoccupied seat	Reduced-power deployment

* It is possible for a child to be classified as an adult, allowing a full-power Passenger Advanced Front Air Bag deployment. Never allow children to ride in the front passenger seat and never install a child restraint system, including a rear-facing child restraint, in the front passenger seat.

WARNING!

- NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.

(Continued)

WARNING!

- Never install a rear-facing child restraint in the front seat of a vehicle. Only use a rear-facing child restraint in the rear seat. If the vehicle does not have a rear seat, do not transport a rear-facing child restraint in that vehicle.
- A deploying passenger front air bag can cause death or serious injury to a child 12 years or younger, including a child in a rear-facing child restraint.

(Continued)

WARNING!

- Children 12 years or younger should always ride buckled up in the rear seat of a vehicle with a rear seat.

The OCS determines the front passenger's most probable classification. The OCS estimates the seated weight on the front passenger seat and where that weight is located. The OCS communicates the classification status to the ORC. The ORC uses the classification to determine whether the Passenger Advanced Front Air Bag inflation rate should be adjusted.

In order for the OCS to operate as designed, it is important for the front passenger to be seated properly and properly wearing the seat belt. Properly seated passengers are:

- Sitting upright
- Facing forward
- Sitting in the center of the seat with their feet comfortably on or near the floor
- Sitting with their back against the seatback and the seatback in an upright position



Seated Properly

Lighter Weight Passengers (Including Small Adults)

When a lighter weight passenger, including a small adult, occupies the front passenger seat, the OCS may reduce the inflation rate of the Passenger Advanced Front Air Bag. This does not mean that the OCS is working improperly.

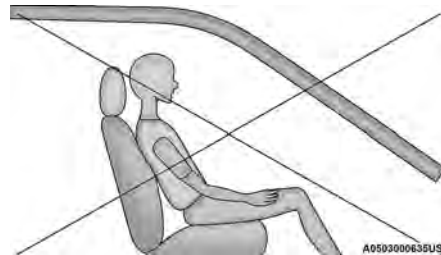
Do not decrease OR increase the front passenger's seated weight on the front passenger seat

The front passenger's seated weight must be properly positioned on the front passenger seat. Failure to do so may result in serious injury or death. The OCS determines the most probable classification of the occupant that it detects. The OCS will detect the front passenger's decreased or increased seated weight, which may result in an adjusted inflation rate of the Passenger Advanced Front Air Bag in a collision. This does not mean that the OCS is working improperly. Decreasing the front passenger's seated weight on the front passenger seat may result in a reduced-power deployment of the Passenger Advanced Front Air Bag. Increasing the front passenger's seated weight on the front passenger seat may result in a full-power deployment of the Passenger Advanced Front Air Bag.

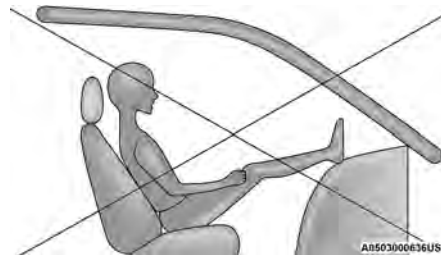
Examples of improper front passenger seating include:

- The front passenger's weight is transferred to another part of the vehicle (like the door, arm rest or instrument panel).
- The front passenger leans forward, sideways, or turns to face the rear of the vehicle.
- The front passenger's seatback is not in the full upright position.
- The front passenger carries or holds an object while seated (e.g., backpack, box, etc.).
- Objects are lodged under the front passenger seat.
- Objects are lodged between the front passenger seat and center console.
- Accessories that may change the seated weight on the front passenger seat are attached to the front passenger seat.
- Anything that may decrease or increase the front passenger's seated weight.

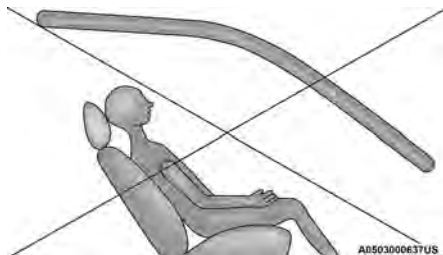
The OCS determines the front passenger's most probable classification. If an occupant in the front passenger seat is seated improperly, the occupant may provide an output signal to the OCS that is different from the occupant's properly seated weight input, for example:



Not Seated Properly




Not Seated Properly


**Not Seated Properly****Not Seated Properly****WARNING!**

- If a child restraint system, child, small teenager or adult in the front passenger seat is seated improperly, the occupant may provide an output signal to the OCS that is different from the occupant's properly seated weight input. This may result in serious injury or death in a collision.

*(Continued)***WARNING!**

- Always wear your seat belt and sit properly, with the seatback in an upright position, your back against the seatback, sitting upright, facing forward, in the center of the seat, with your feet comfortably on or near the floor.
- Do not carry or hold any objects (e.g., backpacks, boxes, etc.) while seated in the front passenger seat. Holding an object may provide an output signal to the OCS that is different than the occupant's properly seated weight input, which may result in serious injury or death in a collision.
- Placing an object on the floor under the front passenger seat may prevent the OCS from working properly, which may result in serious injury or death in a collision. Do not place any objects on the floor under the front passenger seat.

The Air Bag Warning Light  in the instrument panel will turn on whenever the OCS is unable to classify the front passenger seat status. A malfunction in the OCS may affect the operation of the air bag system.

If the Air Bag Warning Light  does not come on, or stays on after you start the vehicle, or it comes on as you drive, take the vehicle to an authorized dealer for service immediately.

The passenger seat assembly contains critical OCS components that may affect the Passenger Advanced Front Air Bag inflation. In order for the OCS to properly classify the seated weight of a front seat passenger, the OCS components must function as designed. Do not make any modifications to the front passenger seat components, assembly, or to the seat cover. If the seat,

trim cover, or cushion needs service for any reason, take the vehicle to an authorized dealer. Only FCA approved seat accessories may be used.

The following requirements must be strictly followed:

- Do not modify the front passenger seat assembly or components in any way.
- Do not use prior or future model year seat covers or cushions not designated by FCA for the specific model being repaired. Always use the correct seat cover and cushion specified for the vehicle.
- Do not replace the seat cover or cushion with an aftermarket seat cover or cushion.
- Do not add a secondary seat cover or mat.
- At no time should any Supplemental Restraint System (SRS) component or SRS related component or fastener be modified or replaced with any part except those which are approved by FCA.

WARNING!

- Unapproved modifications or service procedures to the passenger seat assembly, its related components, seat cover or cushion may inadvertently change the air bag deployment in case of a frontal collision. This could result in death or serious injury to the front passenger if the vehicle is involved in a collision. A modified vehicle may not comply with required Federal Motor Vehicle Safety Standards (FMVSS) and/or Canadian Motor Vehicle Safety Standards (CMVSS).
- If it is necessary to modify the air bag system for persons with disabilities, contact an authorized dealer.

Knee Impact Bolsters

The Knee Impact Bolsters help protect the knees of the driver and front passenger, and position the front occupants for improved interaction with the front air bags.

WARNING!

- Do not drill, cut, or tamper with the knee impact bolsters in any way.
- Do not mount any accessories to the knee impact bolsters such as alarm lights, stereos, citizen band radios, etc.

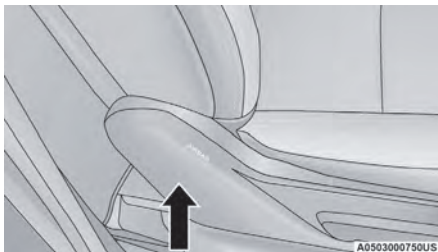
Supplemental Side Air Bags

Supplemental Seat-Mounted Side Air Bags (SABs)

This vehicle is equipped with Supplemental Seat-Mounted Side Air Bags (SABs).

Supplemental Seat-Mounted Side Air Bags (SABs) are located in the outboard side of the front seats. The SABs are marked with "SRS AIRBAG" or "AIRBAG" on a label or on the seat trim on the outboard side of the seats.

The SABs may help to reduce the risk of occupant injury during certain side impacts, in addition to the injury reduction potential provided by the seat belts and body structure.



Supplemental Seat-Mounted Side Air Bag Label

When the SAB deploys, it opens the seam on the outboard side of the seatback's trim cover. The inflating SAB deploys through the seat seam into the space between the occupant and the door. The SAB moves at a very high speed and with such a high force that it could injure occupants if they are not seated properly, or if items are positioned in the area where the SAB inflates. Children are at an even greater risk of injury from a deploying air bag.

WARNING!

Do not use accessory seat covers or place objects between you and the Side Air Bags; the performance could be adversely affected and/or objects could be pushed into you, causing serious injury.

Supplemental Side Air Bag Inflatable Curtains (SABICs)

This vehicle is equipped with Supplemental Side Air Bag Inflatable Curtains (SABICs).

Supplemental Side Air Bag Inflatable Curtains (SABICs) are located above the side windows. The trim covering the SABICs is labeled "SRS AIRBAG" or "AIRBAG."



Supplemental Side Air Bag Inflatable Curtain (SABIC) Label Location

SABICs may help reduce the risk of head and other injuries to front and rear seat outboard occupants in certain side impacts, in addition to the injury reduction potential provided by the seat belts and body structure.

The SABIC deploys downward, covering the side windows. An inflating SABIC pushes the outside edge of the headliner out of the way and covers the window. The SABICs inflate with enough force to injure occupants if they are not belted and seated properly, or if items are positioned in the area where the SABICs inflate. Children are at an even greater risk of injury from a deploying air bag.

The SABICs may help reduce the risk of partial or complete ejection of vehicle occupants through side windows in certain side impact events.

WARNING!

- Do not mount equipment, or stack luggage or other cargo up high enough to block the deployment of the SABICs. The trim covering above the side windows where the SABIC and its deployment path are located should remain free from any obstructions.
- In order for the SABICs to work as intended, do not install any accessory items in your vehicle which could alter the roof. Do not add an aftermarket sunroof to your vehicle. Do not add roof racks that require permanent attachments (bolts or screws) for installation on the vehicle roof. Do not drill into the roof of the vehicle for any reason.

Side Impacts

The Side Air Bags are designed to activate in certain side impacts. The Occupant Restraint Controller (ORC) determines whether the deployment of the Side Air Bags in a particular impact event is appropriate, based on the severity and type of collision. The side impact sensors aid the ORC in determining the appropriate response to impact events. The system is calibrated to deploy the Side Air Bags on the impact side of the vehicle during impacts that require Side Air Bag occupant protection. In side impacts, the Side Air Bags deploy independently; a left side impact deploys the left Side Air Bags only and a right-side impact deploys the right Side Air Bags only. Vehicle damage by itself is not a good indicator of whether or not Side Air Bags should have deployed.

The Side Air Bags will not deploy in all side collisions, including some collisions at certain angles, or some side collisions that do not impact the area of the passenger compartment. The Side Air Bags may deploy during angled or offset frontal collisions where the front air bags deploy.

Side Air Bags are a supplement to the seat belt restraint system. Side Air Bags deploy in less time than it takes to blink your eyes.

WARNING!

- Occupants, including children, who are up against or very close to Side Air Bags can be seriously injured or killed. Occupants, including children, should never lean on or sleep against the door, side windows, or area where the side air bags inflate, even if they are in an infant or child restraint.
- Seat belts (and child restraints where appropriate) are necessary for your protection in all collisions. They also help keep you in position, away from an inflating Side Air Bag. To get the best protection from the Side Air Bags, occupants must wear their seat belts properly and sit upright with their backs against the seats. Children must be properly restrained in a child restraint or booster seat that is appropriate for the size of the child.

WARNING!

- Side Air Bags need room to inflate. Do not lean against the door or window. Sit upright in the center of the seat.

(Continued)

WARNING!

- Being too close to the Side Air Bags during deployment could cause you to be severely injured or killed.
- Relying on the Side Air Bags alone could lead to more severe injuries in a collision. The Side Air Bags work with your seat belt to restrain you properly. In some collisions, Side Air Bags won't deploy at all. Always wear your seat belt even though you have Side Air Bags.

NOTE:

Air bag covers may not be obvious in the interior trim, but they will open during air bag deployment.

Rollover Events

Side Air Bags and seat belt pretensioners are designed to activate in certain rollover events. The Occupant Restraint Controller (ORC) determines whether deployment in a particular rollover event is appropriate, based on the severity and type of collision. Vehicle damage by itself is not a good indicator of whether or not Side Air Bags and seat belt pretensioners should have deployed.


The Side Air Bags and seat belt pretensioners will not deploy in all rollover events. The rollover sensing system determines if a rollover event may be in progress and whether deployment is appropriate. In the event the vehicle experiences a rollover or near rollover event, and deployment is appropriate, the rollover sensing system will deploy the side air bags and seat belt pretensioners on both sides of the vehicle.

The SABICs may help reduce the risk of partial or complete ejection of vehicle occupants through side windows in certain rollover or side impact events.

Air Bag System Components

NOTE:

The Occupant Restraint Controller (ORC) monitors the internal circuits and interconnecting wiring associated with electrical Air Bag System Components listed below:

- Occupant Restraint Controller (ORC)
- Air Bag Warning Light 
- Steering Wheel and Column
- Instrument Panel
- Knee Impact Bolsters
- Driver and Front Passenger Air Bags
- Seat Belt Buckle Switch
- Supplemental Side Air Bags
- Front and Side Impact Sensors
- Seat Belt Pretensioners
- Seat Track Position Sensors
- Occupant Classification System

If A Deployment Occurs

The front air bags are designed to deflate immediately after deployment.

NOTE:

Front and/or side air bags will not deploy in all collisions. This does not mean something is wrong with the air bag system.

If you do have a collision which deploys the air bags, any or all of the following may occur:

- The air bag material may sometimes cause abrasions and/or skin reddening to the occupants as the air bags deploy and unfold. The abrasions are similar to friction rope burns or those you might get sliding along a carpet or gymnasium floor. They are not

caused by contact with chemicals. They are not permanent and normally heal quickly. However, if you haven't healed significantly within a few days, or if you have any blistering, see your doctor immediately.

- As the air bags deflate, you may see some smoke-like particles. The particles are a normal by-product of the process that generates the non-toxic gas used for air bag inflation. These airborne particles may irritate the skin, eyes, nose, or throat. If you have skin or eye irritation, rinse the area with cool water. For nose or throat irritation, move to fresh air. If the irritation continues, see your doctor. If these particles settle on your clothing, follow the garment manufacturer's instructions for cleaning.

Do not drive your vehicle after the air bags have deployed. If you are involved in another collision, the air bags will not be in place to protect you.

WARNING!

Deployed air bags and seat belt pretensioners cannot protect you in another collision. Have the air bags, seat belt pretensioners, and the seat belt retractor assemblies replaced by an authorized dealer immediately. Also, have the Occupant Restraint Controller System serviced as well.

NOTE:

- Air bag covers may not be obvious in the interior trim, but they will open during air bag deployment.
- After any collision, the vehicle should be taken to an authorized dealer immediately.

Enhanced Accident Response System

In the event of an impact, if the communication network remains intact, and the power remains intact, depending on the nature of the event, the Occupant Restraint Controller (ORC) will determine whether to have the Enhanced Accident Response System perform the following functions:

- Cut off fuel to the engine (if equipped)
- Cut off battery power to the electric motor (if equipped)
- Flash hazard lights as long as the battery has power
- Turn on the interior lights, which remain on as long as the battery has power or for 15 minutes from the intervention of the Enhanced Accident Response System
- Unlock the power door locks

Your vehicle may also be designed to perform any of these other functions in response to the Enhanced Accident Response System:

- Turn off the Fuel Filter Heater, Turn off the HVAC Blower Motor, Close the HVAC Circulation Door
- Cut off battery power to the:
 - Engine
 - Electric Motor (if equipped)
 - Electric power steering
 - Brake booster
 - Electric park brake
 - Automatic transmission gear selector
 - Horn
 - Front wiper

NOTE:

After an accident, remember to cycle the ignition to the STOP (OFF/LOCK) position and remove the key from the ignition switch to avoid draining the battery. Carefully check the vehicle for fuel leaks in the engine compartment and on the ground near the engine compartment and fuel tank before resetting the system and starting the engine. If there are no fuel leaks or damage to the vehicle electrical devices (e.g. headlights) after an accident, reset the system by following the procedure described below. If you have any doubt, contact an authorized dealer.

Enhanced Accident Response System Reset Procedure

In order to reset the Enhanced Accident Response System functions after an event, the ignition switch must be changed from ignition START or ON/RUN to ignition OFF. Carefully check the vehicle for fuel leaks in the engine compartment and on the ground near the engine compartment and fuel tank before resetting the system and starting the engine.

After an accident, if the vehicle will not start after performing the reset procedure, the vehicle must be towed to an authorized dealer to be inspected and to have the Enhanced Accident Response System reset.

Maintaining Your Air Bag System

WARNING!

- Modifications to any part of the air bag system could cause it to fail when you need it. You could be injured if the air bag system is not there to protect you. Do not modify the components or wiring,

(Continued)

WARNING!

including adding any kind of badges or stickers to the steering wheel hub trim cover or the upper passenger side of the instrument panel. Do not modify the front fascia/bumper, vehicle body structure, or add aftermarket side steps or running boards.

- It is dangerous to try to repair any part of the air bag system yourself. Be sure to tell anyone who works on your vehicle that it has an air bag system.
- Do not attempt to modify any part of your air bag system. The air bag may inflate accidentally or may not function properly if modifications are made. Take your vehicle to an authorized dealer for any air bag system service. If your seat, including your trim cover and cushion, needs to be serviced in any way (including removal or loosening/tightening of seat attachment bolts), take the vehicle to an authorized dealer. Only manufacturer approved seat accessories may be used. If it is necessary to modify the air bag system for persons with disabilities, contact an authorized dealer.

Event Data Recorder (EDR)

This vehicle is equipped with an event data recorder (EDR). The main purpose of an EDR is to record, in certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle, data that will assist in understanding how a vehicle's systems performed. The EDR is designed to record data related to vehicle dynamics and safety systems for a short period of time, typically 30 seconds or less. The EDR in this vehicle is designed to record such data as:

- How various systems in your vehicle were operating;

- Whether or not the driver and passenger safety belts were buckled/fastened;
- How far (if at all) the driver was depressing the accelerator and/or brake pedal; and,
- How fast the vehicle was traveling.

These data can help provide a better understanding of the circumstances in which crashes and injuries occur.

NOTE:

EDR data are recorded by your vehicle only if a non-trivial crash situation occurs; no data are recorded by the EDR under normal driving conditions and no personal data (e.g., name, gender, age, and crash location) are recorded. However, other parties, such as law enforcement, could combine the EDR data with the type of personally identifying data routinely acquired during a crash investigation.

To read data recorded by an EDR, special equipment is required, and access to the vehicle or the EDR is needed. In addition to the vehicle manufacturer, other parties, such as law enforcement, that have the special equipment, can read the information if they have access to the vehicle or the EDR.

CHILD RESTRAINTS

Everyone in your vehicle needs to be buckled up at all times, including babies and children.

Children 12 years or younger should ride properly buckled up in a rear seat, if available. According to crash statistics, children are safer when properly restrained in the rear seats rather than in the front.



0228018957

Warning Label On Front Passenger Sun Visor

WARNING!

- NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.

(Continued)

WARNING!

- Never install a rear-facing child restraint in the front seat of a vehicle. Only use a rear-facing child restraint in the rear seat. If the vehicle does not have a rear seat, do not transport a rear-facing child restraint in that vehicle.
- A deploying passenger front air bag can cause death or serious injury to a child 12 years or younger, including a child in a rear-facing child restraint.
- In a collision, an unrestrained child can become a projectile inside the vehicle. The force required to hold even an infant on your lap could become so great that you could not hold the child, no matter how strong you are. The child and others could be badly injured or killed. Any child riding in your vehicle should be in a proper restraint for the child's size.

There are different sizes and types of restraints for children from newborn size to the child almost large enough for an adult safety belt. Always check the child seat Owner's Manual to make sure you have the correct seat for your child. Carefully read and follow all the instructions and warnings in the child restraint Owner's Manual and on all the labels attached to the child restraint.

Before buying any restraint system, make sure that it has a label certifying that it meets all applicable Safety Standards. You should also make sure that you can install it in the vehicle where you will use it.

Summary Of Recommendations For Restraining Children In Vehicles

	Child Size, Height, Weight Or Age	Recommended Type Of Child Restraint
Infants and Toddlers	Children who are two years old or younger and who have not reached the height or weight limits of their child restraint	Either an Infant Carrier or a Convertible Child Restraint, facing rearward in a rear seat of the vehicle
Small Children	Children who are at least two years old or who have outgrown the height or weight limit of their rear-facing child restraint	Forward-Facing Child Restraint with a five-point Harness, facing forward in a rear seat of the vehicle
Larger Children	Children who have outgrown their forward-facing child restraint, but are too small to properly fit the vehicle's seat belt	Belt Positioning Booster Seat and the vehicle seat belt, seated in a rear seat of the vehicle
Children Too Large for Child Restraints	Children 12 years old or younger, who have outgrown the height or weight limit of their booster seat	Vehicle Seat Belt, seated in a rear seat of the vehicle

Infant And Child Restraints

Safety experts recommend that children ride rear-facing in the vehicle until they are two years old or until they reach either the height or weight limit of their rear-facing child restraint. Two types of child restraints can be used rear-facing: infant carriers and convertible child seats.

The infant carrier is only used rear-facing in the vehicle. It is recommended for children from birth until they reach the weight or height limit of the infant carrier. Convertible child seats can be used either rear-facing or forward-facing in the vehicle. Convertible child seats often have a higher weight limit in the rear-facing direction than infant carriers do, so they can be used rear-facing by children who have outgrown their infant carrier but are still less than at least two years old. Children should remain rear-facing until they reach the highest weight or height allowed by their convertible child seat.

WARNING!

- Never place a rear-facing child restraint in front of an air bag. A deploying passenger front air bag can cause death or serious injury to a child 12 years or younger, including a child in a rear-facing child restraint.
- Never install a rear-facing child restraint in the front seat of a vehicle. Only use a rear-facing child restraint in the rear seat. If the vehicle does not have a rear seat, do not transport a rear-facing child restraint in that vehicle.

WARNING!

Do not install a rear-facing car seat using a rear support leg in this vehicle. The floor of this vehicle is not designed to manage the crash forces of this type of car seat. In a crash, the support leg may not function as it was designed by the car seat manufacturer, and your child may be more severely injured as a result.



Older Children And Child Restraints

Children who are two years old or who have outgrown their rear-facing convertible child seat can ride forward-facing in the vehicle. Forward-facing child seats and convertible child seats used in the forward-facing direction are for children who are over two years old or who have outgrown the rear-facing weight or height limit of

their rear-facing convertible child seat. Children should remain in a forward-facing child seat with a harness for as long as possible, up to the highest weight or height allowed by the child seat.

All children whose weight or height is above the forward-facing limit for the child seat should use a belt-positioning booster seat until the vehicle's seat belts fit properly. If the child cannot sit with knees bent over the vehicle's seat cushion while the child's back is against the seatback, they should use a belt-positioning booster seat. The child and belt-positioning booster seat are held in the vehicle by the seat belt.

WARNING!

- Improper installation can lead to failure of an infant or child restraint. It could come loose in a collision. The child could be badly injured or killed. Follow the child restraint manufacturer's directions exactly when installing an infant or child restraint.
- After a child restraint is installed in the vehicle, do not move the vehicle seat forward or rearward because it can loosen the child restraint attachments. Remove the child restraint before adjusting the vehicle seat position. When the vehicle seat has been adjusted, reinstall the child restraint.
- When your child restraint is not in use, secure it in the vehicle with the seat belt or LATCH anchorages, or remove it from the vehicle. Do not leave it loose in the vehicle. In a sudden stop or accident, it could strike the occupants or seatbacks and cause serious personal injury.

Children Too Large For Booster Seats

Children who are large enough to wear the shoulder belt comfortably, and whose legs are long enough to bend over the front of the seat when their back is against the seatback, should use the seat belt in a rear seat. Use this simple 5-step test to decide whether the child can use the vehicle's seat belt alone:

1. Can the child sit all the way back against the back of the vehicle seat?
2. Do the child's knees bend comfortably over the front of the vehicle seat while the child is still sitting all the way back?
3. Does the shoulder belt cross the child's shoulder between the neck and arm?
4. Is the lap part of the belt as low as possible, touching the child's thighs and not the stomach?
5. Can the child stay seated like this for the whole trip?

If the answer to any of these questions was "no," then the child still needs to use a booster seat in this vehicle. If the child is using the lap/shoulder belt, check seat belt fit periodically and make sure the seat belt buckle is latched. A child's squirming or slouching can move the belt out of position. If the shoulder belt contacts the face or neck, move the child closer to the center of the vehicle, or use a booster seat to position the seat belt on the child correctly.

WARNING!

Never allow a child to put the shoulder belt under an arm or behind their back. In a crash, the shoulder belt will not protect a child properly, which may result in serious injury or death. A child must always wear both the lap and shoulder portions of the seat belt correctly.

Recommendations For Attaching Child Restraints

Restraint Type	Combined Weight of the Child + Child Restraint	Use Any Attachment Method Shown With An "X" Below			
		LATCH – Lower Anchors Only	Seat Belt Only	LATCH – Lower Anchors + Top Tether Anchor	Seat Belt + Top Tether Anchor
Rear-Facing Child Restraint	Up to 65 lb (29.5 kg)	X	X		
Rear-Facing Child Restraint	More than 65 lb (29.5 kg)		X		
Forward-Facing Child Restraint	Up to 65 lb (29.5 kg)			X	X
Forward-Facing Child Restraint	More than 65 lb (29.5 kg)				X

Lower Anchors And Tethers For Children (LATCH) Restraint System



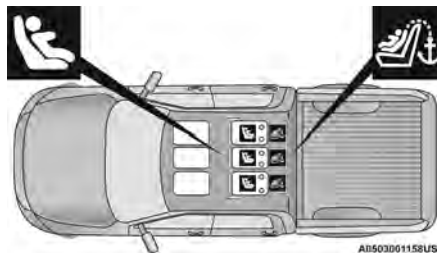
022668173

LATCH Label

Your vehicle is equipped with the child restraint anchorage system called LATCH, which stands for Lower Anchors and Tethers for Children. The LATCH system has three vehicle anchor points for installing LATCH-equipped child seats. There are two lower anchorages located at the back of the seat cushion where it meets the seatback and one top tether anchorage located behind the seating position. These anchorages are used to install LATCH-equipped child seats without using the vehicle's seat belts. Some seating positions may have a top tether anchorage but no lower anchor-



ages. In these seating positions, the seat belt must be used with the top tether anchorage to install the child restraint. Please see the following table for more information.

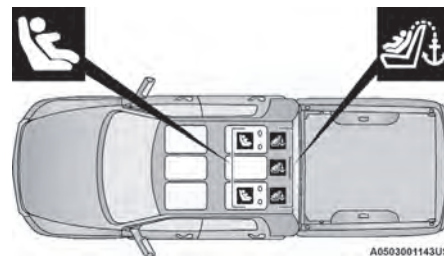
LATCH Positions For Installing Child Restraints In This Vehicle



A0503001158US



Crew Cab 60/40 Split Bench LATCH Positions

 Top Tether Anchorage Symbol
 Lower Anchorage Symbol (2 Anchorages Per Seating Position)



A0503001143US

Crew Cab Full Bench, Quad Cab Full Bench And Quad Cab 60/40 Split Bench LATCH Positions

 Top Tether Anchorage Symbol
 Lower Anchorage Symbol (2 Anchorages Per Seating Position)

Frequently Asked Questions About Installing Child Restraints With LATCH

What is the weight limit (child's weight + weight of the child restraint) for using the LATCH anchorage system to attach the child restraint?	65 lb (29.5 kg)	Use the LATCH anchorage system until the combined weight of the child and the child restraint is 65 lb (29.5 kg). Use the seat belt and tether anchor instead of the LATCH system once the combined weight is more than 65 lb (29.5 kg).
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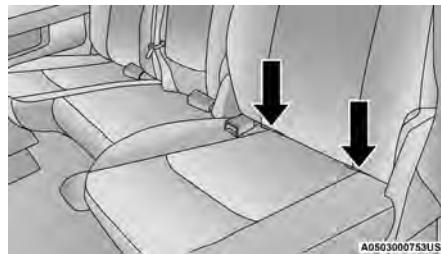
Frequently Asked Questions About Installing Child Restraints With LATCH

Can the LATCH anchorages and the seat belt be used together to attach a rear-facing or forward-facing child restraint?	No	Do not use the seat belt when you use the LATCH anchorage system to attach a rear-facing or forward-facing child restraint. Booster seats may be attached to the LATCH anchorages if allowed by the booster seat manufacturer. See your booster seat owner's manual for more information.
Can a child seat be installed in the center position using the inner LATCH lower anchorages from the outboard seating positions?	No	Quad Cab or Crew with Full bench rear seat: Use the seat belt and tether anchor to install a child seat in the center seating position.
Can two child restraints be attached using a common lower LATCH anchorage?	No	Never "share" a LATCH anchorage with two or more child restraints. If the center position does not have dedicated LATCH lower anchorages, use the seat belt to install a child seat in the center position next to a child seat using the LATCH anchorages in an outboard position.
Can the rear-facing child restraint touch the back of the front passenger seat?	Yes	The child seat may touch the back of the front passenger seat if the child restraint manufacturer also allows contact. See your child restraint owner's manual for more information.
Can the rear head restraints be removed?	No	Head restraints may not be removed.

Locating The LATCH Anchorages



The lower anchorages are round bars that are found at the rear of the seat cushion where it meets the seatback, below the anchorage symbols on the seatback. They are just visible when you lean into the rear seat to install the child restraint. You will easily feel them if you run your finger along the gap between the seatback and seat cushion.

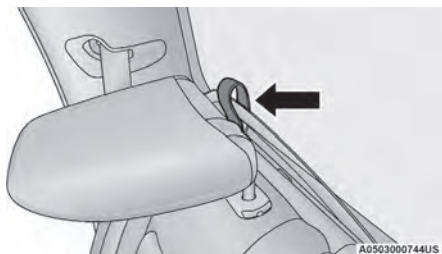


Rear Outboard Seats Driver Side (Example Shown)

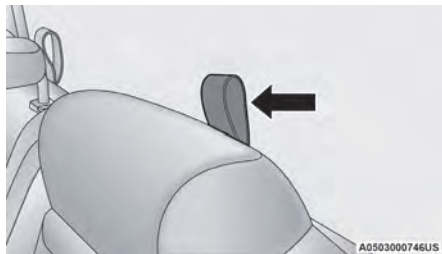
Locating The Upper Tether Anchorages



There are tether strap anchorages located behind each of the rear seats.



Outboard Tether Anchorage



Center Tether Anchorage Over Head Rest

LATCH-compatible child restraint systems will be equipped with a rigid bar or a flexible strap on each side. Each will have a hook or connector to attach to the lower anchorage and a way to tighten the connection to the anchorage. Forward-facing child restraints and some rear-facing child restraints will also be

equipped with a tether strap. The tether strap will have a hook at the end to attach to the top tether anchorage and a way to tighten the strap after it is attached to the anchorage.

Center Seat LATCH

All Quad Cabs Or Crew Cab Full Bench Rear Seat: No Lower Center LATCH Anchorages Available

WARNING!

- Do not install a child restraint in the center position using the LATCH system. This position is not approved for installing child seats using the LATCH attachments. You must use the seat belt and tether anchor to install a child seat in the center seating position.
- Never use the same lower anchorage to attach more than one child restraint ➡ page 267.

Crew Cab Split Bench Rear Seat: Center LATCH Anchorages Available

If a child restraint installed in the center position blocks the seat belt webbing or buckle for the outboard position, do not use that outboard position. If a child seat in the center position blocks the outboard LATCH anchors or seat belt, do not install a child seat in that outboard position.

WARNING!

Never use the same lower anchorage to attach more than one child restraint ➡ page 267.

Always follow the directions of the child restraint manufacturer when installing your child restraint. Not all child restraint systems will be installed as described here.

To Install A LATCH-Compatible Child Restraint

If the selected seating position has a Switchable Automatic Locking Retractor (ALR) seat belt, stow the seat belt, following the instructions below. See

➡ page 268 to check what type of seat belt each seating position has.

- Loosen the adjusters on the lower straps and on the tether strap of the child seat so that you can more easily attach the hooks or connectors to the vehicle anchorages.
- Place the child seat between the lower anchorages for that seating position. If the second row seat can be reclined, you may recline the seat and/or raise the head restraint (if adjustable) to get a better fit. If the rear seat can be moved forward and rearward in the vehicle, you may wish to move it to its rear-most position to make room for the child seat. You may also move the front seat forward to allow more room for the child seat.
- Attach the lower hooks or connectors of the child restraint to the lower anchorages in the selected seating position.
- If the child restraint has a tether strap, connect it to the top tether anchorage. See ➡ page 270 for directions to attach a tether anchor.

5. Tighten all of the straps as you push the child restraint rearward and downward into the seat. Remove slack in the straps according to the child restraint manufacturer's instructions.
6. Test that the child restraint is installed tightly by pulling back and forth on the child seat at the belt path. It should not move more than 1 inch (25.4 mm) in any direction.

How To Stow An Unused Switchable-ALR (ALR) Seat Belt:

When using the LATCH attaching system to install a child restraint, stow all ALR seat belts that are not being used by other occupants or being used to secure child restraints. An unused belt could injure a child if they play with it and accidentally lock the seat belt retractor. Before installing a child restraint using the LATCH system, buckle the seat belt behind the child restraint and out of the child's reach. If the buckled seat belt interferes with the child restraint installation, instead of buckling it behind the child restraint, route the seat belt through the child restraint belt path and then buckle it. Do not lock the seat belt. Remind all children in the vehicle that the seat belts are not toys and that they should not play with them.

WARNING!

- Improper installation of a child restraint to the LATCH anchorages can lead to failure of the restraint. The child could be badly injured or killed. Follow the child restraint manufacturer's directions exactly when installing an infant or child restraint.

(Continued)

WARNING!

- Child restraint anchorages are designed to withstand only those loads imposed by correctly-fitted child restraints. Under no circumstances are they to be used for adult seat belts, harnesses, or for attaching other items or equipment to the vehicle.

Installing Child Restraints Using The Vehicle Seat Belt

Child restraint systems are designed to be secured in vehicle seats by lap belts or the lap belt portion of a lap/shoulder belt.

WARNING!

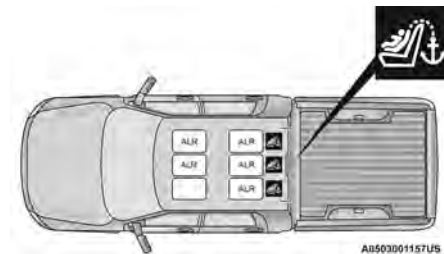
- Improper installation or failure to properly secure a child restraint can lead to failure of the restraint. The child could be badly injured or killed.
- Follow the child restraint manufacturer's directions exactly when installing an infant or child restraint.

The seat belts in the passenger seating positions are equipped with a Switchable Automatic Locking Retractor (ALR) that is designed to keep the lap portion of the seat belt tight around the child restraint so that it is not necessary to use a locking clip. The ALR retractor can be "switched" into a locked mode by pulling all of the webbing out of the retractor and then letting the webbing retract back into the retractor. If it is locked, the ALR will make a clicking noise while the webbing is pulled back into the retractor.

See the "Automatic Locking Mode" description ➞ page 251 for additional information on ALR.

Please see the table below and the following sections for more information.

Lap/Shoulder Belt Systems For Installing Child Restraints In This Vehicle



Automatic Locking Retractor – (ALR) Locations (All Models)

ALR – Switchable Automatic Locking Retractor
 Top Tether Anchorage Symbol

Frequently Asked Questions About Installing Child Restraints With Seat Belts

What is the weight limit (child's weight + weight of the child restraint) for using the Tether Anchor with the seat belt to attach a forward-facing child restraint?	Weight limit of the Child Restraint	Always use the tether anchor when using the seat belt to install a forward-facing child restraint, up to the recommended weight limit of the child restraint.
Can the rear-facing child restraint touch the back of the front passenger seat?	Yes	Contact between the front passenger seat and the child restraint is allowed, if the child restraint manufacturer also allows contact.
Can the rear head restraints be removed?	No	Head restraints may not be removed.
Can the buckle stalk be twisted to tighten the seat belt against the belt path of the child restraint?	No	Do not twist the buckle stalk in a seating position with an ALR retractor.

Installing A Child Restraint With A Switchable Automatic Locking Retractor (ALR):

Child restraint systems are designed to be secured in vehicle seats by lap belts or the lap belt portion of a lap/shoulder belt.

WARNING!

- Improper installation or failure to properly secure a child restraint can lead to failure of the restraint. The child could be badly injured or killed.
- Follow the child restraint manufacturer's directions exactly when installing an infant or child restraint.

- Place the child seat in the center of the seating position. If the second row seat can be reclined, you may recline the seat and/or raise the head restraint (if adjustable) to get a better fit. If the rear seat can be

moved forward and rearward in the vehicle, you may wish to move it to its rear-most position to make room for the child seat. You may also move the front seat forward to allow more room for the child seat.

- Pull enough of the seat belt webbing from the retractor to pass it through the belt path of the child restraint. Do not twist the belt webbing in the belt path.
- Slide the latch plate into the buckle until you hear a "click."
- Pull on the webbing to make the lap portion tight against the child seat.
- To lock the seat belt, pull down on the shoulder part of the belt until you have pulled all the seat belt webbing out of the retractor. Then, allow the webbing to retract back into the retractor. As the webbing retracts, you will hear a clicking sound. This means the seat belt is now in the Automatic Locking mode.

- Try to pull the webbing out of the retractor. If it is locked, you should not be able to pull out any webbing. If the retractor is not locked, repeat step 5.
- Finally, pull up on any excess webbing to tighten the lap portion around the child restraint while you push the child restraint rearward and downward into the vehicle seat.
- If the child restraint has a top tether strap and the seating position has a top tether anchorage, connect the tether strap to the anchorage and tighten the tether strap → page 270.
- Test that the child restraint is installed tightly by pulling back and forth on the child seat at the belt path. It should not move more than 1 inch (25.4 mm) in any direction.

Any seat belt system will loosen with time, so check the belt occasionally, and pull it tight if necessary.

Installing Child Restraints Using The Top Tether Anchorage

WARNING!

Do not attach a tether strap for a rear-facing car seat to any location in front of the car seat, including the seat frame or a tether anchorage. Only attach the tether strap of a rear-facing car seat to the tether anchorage that is approved for that seating position, located behind the top of the vehicle seat. For the location of approved tether anchorages in your vehicle, see ➡ page 265.



WARNING!

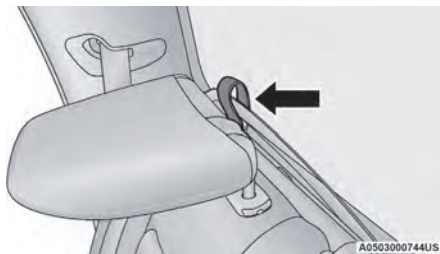
Never place a rear-facing child restraint in front of an air bag. A deploying passenger front air bag can cause death or serious injury to a child 12 years or younger, including a child in a rear-facing child restraint.



The top tether anchorages in this vehicle are tether strap loops located between the rear glass and the back of the rear seat. There is a tether strap loop located behind each seating position. Follow the steps below to attach the tether strap of the child restraint.

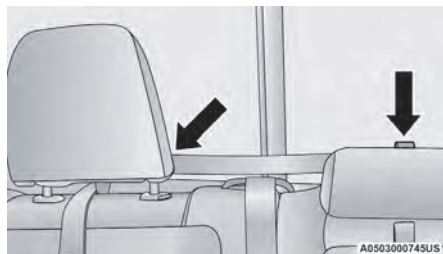
Right Or Left Outboard Seats:

1. Reach between the rear seat and rear glass to access the tether strap loop.
2. Place a child restraint on the seat and adjust the tether strap so that it will reach over the seat back, through the space between the head restraint and the seat back, through the tether strap loop behind the seat and over to the tether strap loop behind the center seat.
3. Pass the tether strap hook through the space between the head restraint and the seat back behind the child seat, through the tether strap loop behind the seat and over to the center tether strap loop.



Tether Strap Through Outboard Tether Strap Loop

4. Attach the hook to the center tether strap loop (see diagram). Tighten the tether strap according to the child seat manufacturer's instructions.



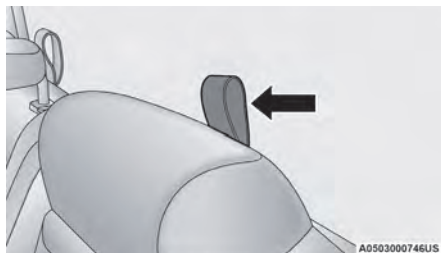
Tether Strap Through Outboard Tether Strap Loop And Attached To Center Tether Strap Loop

NOTE:

If there are child seats in both of the outboard (left and right) seating positions, the tether strap hooks of both child seats should be connected to the center tether strap loop. This is the correct way to tether two outboard child seats.

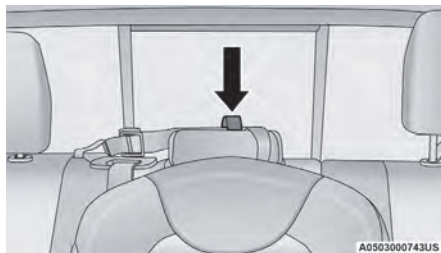
Center Seat:

1. Reach between the rear seat and rear glass to access the tether strap loop.



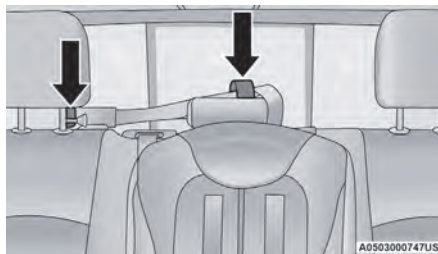
Center Tether Strap Loop Location

- Place a child restraint on the seat and adjust the tether strap so that it will reach over the seat back and headrest, through the tether strap loop behind the seat and over to the tether strap loop behind either the right or left outboard seat.
- Pass the tether strap hook over the headrest behind the child seat, through the tether strap loop behind the seat and over to the right or left outboard tether strap loop.



Tether Strap Through Center Tether Strap Loop

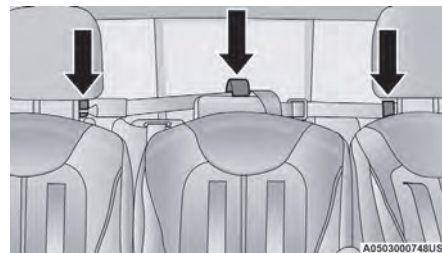
- Attach the hook to the outboard tether strap loop (see diagram). Tighten the tether strap according to the child seat manufacturer's instructions.



Tether Strap Through Center Tether Strap Loop And Attached To Outboard Tether Strap Loop

Installing Three Child Restraints:

- Place a child restraint on each outboard rear seat. Route the tether straps following the directions for right and left seating positions, above.
- Attach both hooks to the center tether strap loop, but do not tighten the straps yet.
- Place a child restraint on the center rear seat. Route the tether strap following the directions for the center seating position, above.
- Attach the hook to the outboard tether strap loop.



Outboard And Center Seating Positions Shown

- Tighten the tether straps according to the child seat manufacturer's instructions, tightening the right and left tether straps before the center tether strap.

WARNING!

- An incorrectly anchored tether strap could lead to increased head motion and possible injury to the child. Use only the anchorage position directly behind the child seat to secure a child restraint top tether strap.
- If your vehicle is equipped with a split rear seat, make sure the tether strap does not slip into the opening between the seatbacks as you remove slack in the strap.

SAFETY TIPS

TRANSPORTING PASSENGERS

NEVER TRANSPORT PASSENGERS IN THE CARGO AREA.

WARNING!

- Do not leave children or animals inside parked vehicles in hot weather. Interior heat buildup may cause serious injury or death.
- It is extremely dangerous to ride in a cargo area, inside or outside of a vehicle. In a collision, people riding in these areas are more likely to be seriously injured or killed.
- Do not allow people to ride in any area of your vehicle that is not equipped with seats and seat belts.
- Be sure everyone in your vehicle is in a seat and using a seat belt properly.

TRANSPORTING PETS

Air Bags deploying in the front seat could harm your pet. An unrestrained pet will be thrown about and possibly injured, or injure a passenger during panic braking or in a collision.

Pets should be restrained in the rear seat (if equipped) in pet harnesses or pet carriers that are secured by seat belts.

CONNECTED VEHICLES

Privacy of any wireless and wired communications cannot be ensured. Third parties may unlawfully intercept information and private communications without your consent ➞ page 110.

WARNING!

It is not possible to know or to predict all of the possible outcomes if your vehicle's systems are breached. It may be possible that vehicle systems, including safety related systems, could be impaired or a loss of vehicle control could occur that may result in an accident involving serious injury or death.

SAFETY CHECKS YOU SHOULD MAKE INSIDE THE VEHICLE

Seat Belts

Inspect the seat belt system periodically, checking for cuts, frays, and loose parts. Damaged parts must be replaced immediately. Do not disassemble or modify the system.

If your vehicle is involved in a collision, or if you have questions regarding the seat belt or retractor conditions, take your vehicle to an authorized FCA dealer for inspection.

Air Bag Warning Light



The Air Bag Warning Light will turn on for four to eight seconds as a bulb check when the ignition switch is first placed in the ON/RUN position. If the light is either not on during starting, stays on, or turns on while driving, have the system inspected at an authorized dealer as soon as possible. After the bulb check, this light will illuminate with a single chime when a fault with the Air Bag System has been detected. It will stay on until the fault is removed. If the light comes on intermittently or remains on while driving, have an authorized dealer service the vehicle immediately.

See ➞ page 247 for further information.

Defroster

Check operation by selecting the defrost mode and place the blower control on high speed. You should be able to feel the air directed against the windshield. See an authorized dealer for service if your defroster is inoperable.



Floor Mat Safety Information

Always use floor mats designed to fit your vehicle. Only use a floor mat that does not interfere with the operation of the accelerator, brake or clutch pedals. Only use a floor mat that is securely attached using the floor mat fasteners so it cannot slip out of position and interfere with the accelerator, brake or clutch pedals or impair safe operation of your vehicle in other ways.

WARNING!

An improperly attached, damaged, folded, or stacked floor mat, or damaged floor mat fasteners may cause your floor mat to interfere with the accelerator, brake, or clutch pedals and cause a loss of vehicle control.

To prevent **SERIOUS INJURY** or **DEATH**:

- ALWAYS securely attach your floor mat using the floor mat fasteners. DO NOT install your floor mat upside down or turn your floor mat over. Lightly pull to confirm mat is secured using the floor mat fasteners on a regular basis. 
- ALWAYS REMOVE THE EXISTING FLOOR MAT FROM THE VEHICLE before installing any other floor mat. NEVER install or stack an additional floor mat on top of an existing floor mat. 
- ONLY install floor mats designed to fit your vehicle. NEVER install a floor mat that cannot be properly attached and secured to your vehicle. If a floor mat needs to be replaced, only use a FCA approved floor mat for the specific make, model, and year of your vehicle.
- ONLY use the driver's side floor mat on the driver's side floor area. To check for interference, with the vehicle properly parked with the engine off, fully depress the accelerator, the brake, and the clutch pedal (if present) to check for interference. If your floor mat interferes with the operation of any pedal, or is not secure to the floor, remove the floor mat from the vehicle and place the floor mat in your trunk.

(Continued)

WARNING!

- ONLY use the passenger's side floor mat on the passenger's side floor area.
- ALWAYS make sure objects cannot fall or slide into the driver's side floor area when the vehicle is moving. Objects can become trapped under accelerator, brake, or clutch pedals and could cause a loss of vehicle control.
- NEVER place any objects under the floor mat (e.g., towels, keys, etc.). These objects could change the position of the floor mat and may cause interference with the accelerator, brake, or clutch pedals.
- If the vehicle carpet has been removed and re-installed, always properly attach carpet to the floor and check the floor mat fasteners are secure to the vehicle carpet. Fully depress each pedal to check for interference with the accelerator, brake, or clutch pedals then re-install the floor mats.
- It is recommended to only use mild soap and water to clean your floor mats. After cleaning, always check your floor mat has been properly installed and is secured to your vehicle using the floor mat fasteners by lightly pulling mat.

PERIODIC SAFETY CHECKS YOU SHOULD MAKE OUTSIDE THE VEHICLE

Tires

Examine tires for excessive tread wear and uneven wear patterns. Check for stones, nails, glass, or other objects lodged in the tread or sidewall. Inspect the tread for cuts and cracks. Inspect sidewalls for cuts, cracks, and bulges. Check the lug nut/bolt torque for tightness. Check the tires (including spare) for proper cold inflation pressure.

Lights

Have someone observe the operation of brake lights and exterior lights while you work the controls. Check turn signal and high beam indicator lights on the instrument panel.

Door Latches

Check for proper closing, latching, and locking.

Fluid Leaks

Check area under the vehicle after overnight parking for fuel, coolant, oil, or other fluid leaks. Also, if gasoline fumes are detected or if fuel or brake fluid leaks are suspected, the cause should be located and corrected immediately.

WARNING!

To prevent **SERIOUS INJURY** or **DEATH** when using “Track-Use” parts and equipment:

- NEVER use any “Track-Use” equipment on public roads. FCA US LLC does not authorize the use of “Track-Use” equipment on public roads.
- The intended use of “Track-Use” parts is for race vehicles on race tracks. To help ensure the safety of the race driver, engineers should supervise the installation of “Track-Use” parts.
- FCA US LLC does not authorize the installation or use of any part noted as “Track-Use” on any new vehicle prior to its first retail sale.

WARNING!

To prevent **SERIOUS INJURY** or **DEATH**:

- ALWAYS remove any “Track-Use” equipment before driving on public roads.
- ALWAYS properly use your three-point seat belts when driving on public roads.
- In a collision, you and your passengers can suffer much greater injuries if you are not properly buckled up. You can strike the interior of your vehicle or other passengers, or you can be thrown out of the vehicle.

EXHAUST GAS**WARNING!**

Exhaust gases can injure or kill. They contain carbon monoxide (CO), which is colorless and odorless. Breathing it can make you unconscious and can eventually poison you. To avoid breathing (CO), follow these safety tips:

- Do not run the engine in a closed garage or in confined areas any longer than needed to move your vehicle in or out of the area.
- If you are required to drive with the trunk/liftgate/rear doors open, make sure that all windows are closed and the climate control BLOWER switch is set at high speed. DO NOT use the recirculation mode.
- If it is necessary to sit in a parked vehicle with the engine running, adjust your heating or cooling controls to force outside air into the vehicle. Set the blower at high speed.

The best protection against carbon monoxide entry into the vehicle body is a properly maintained engine exhaust system.

Whenever a change is noticed in the sound of the exhaust system, when exhaust fumes can be detected inside the vehicle, or when the underside or rear of the vehicle is damaged, have an authorized dealer inspect the complete exhaust system and adjacent body areas for broken, damaged, deteriorated, or mispositioned parts. Open seams or loose connections could permit exhaust fumes to seep into the passenger compartment. In addition, inspect the exhaust system each time the vehicle is raised for lubrication or oil change. Replace as required.

CARBON MONOXIDE WARNINGS**WARNING!**

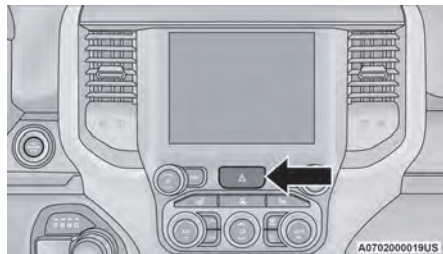
Carbon monoxide (CO) in exhaust gases is deadly. Follow the precautions provided to prevent carbon monoxide poisoning:

- Do not inhale exhaust gases. They contain carbon monoxide, a colorless and odorless gas, which can kill. Never run the engine in a closed area, such as a garage, and never sit in a parked vehicle with the engine running for an extended period. If the vehicle is stopped in an open area with the engine running for more than a short period, adjust the ventilation system to force fresh, outside air into the vehicle.
- Guard against carbon monoxide with proper maintenance. Have the exhaust system inspected every time the vehicle is raised. Have any abnormal conditions repaired promptly. Until repaired, drive with all side windows fully open.

IN CASE OF EMERGENCY

HAZARD WARNING FLASHERS

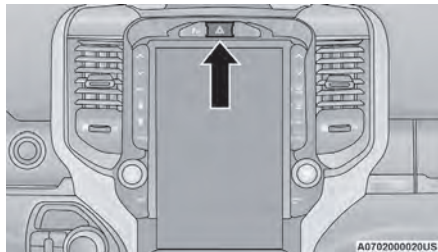
The Hazard Warning Flashers button is located on the upper switch bank just below the radio.



Hazard Warning Flashers Button

NOTE:

If your vehicle is equipped with a 12-inch Uconnect display, the Hazard Warning Flashers button is located above the display.



Hazard Warning Flashers Button with 12-inch display

Push the button to turn on the Hazard Warning Flashers. When the button is activated, all directional turn signals will flash on and off to warn oncoming traffic of an emergency. Push the button a second time to turn off the Hazard Warning Flashers.

This is an emergency warning system and it should not be used when the vehicle is in motion. Use only when your vehicle is disabled or signaling a safety hazard warning for other motorists.

When leaving the vehicle to seek assistance, the Hazard Warning Flashers will continue to operate even though the ignition is placed in the OFF position.

NOTE:

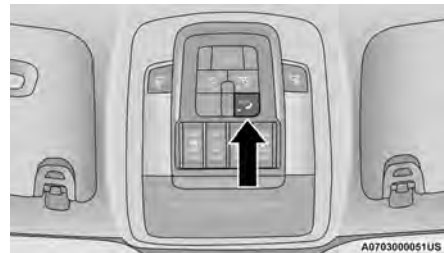
With extended use the Hazard Warning Flashers may wear down your battery.

SOS — EMERGENCY CALL (IF EQUIPPED)

Your vehicle has an on-board assistance feature that is designed to provide support in case of accident and/or emergency. This feature is automatically activated by air bag intervention, or can be activated manually by pushing the button located on the overhead console.

NOTE:

SOS-Emergency Call will only work with an enabled network operator.



SOS-Emergency Call Button

The SOS-Emergency Call system automatically forwards a call to emergency services in the event of an accident with air bag intervention providing that the ignition device is in the RUN position and the air bags are working. Pressing the SOS button on the overhead console will illuminate the light within the button. When the con-

nection between the vehicle and a public safety operator is made, your vehicle will automatically transmit location and vehicle information to the emergency service operator.

Only a public safety operator can remotely end the SOS-Emergency Call and, if necessary, call the vehicle back through the Emergency Call system. Once the call has ended, you can still call the emergency service operator to indicate additional information by pushing the button again.

To Use SOS-Emergency Call

Push and hold the SOS-Emergency Call button for a few seconds. The LED, located within the SOS button, will blink once and then stay on indicating a call has been placed.

NOTE:

If the SOS-Emergency Call button is accidentally pushed, there is a ten second delay before the call is placed. The system will issue a verbal alert that a call is about to be made. To cancel the call connection, push the SOS-Emergency Call button again.

Once a connection between the vehicle and an emergency service operator is made, the SOS-Emergency Call system will transmit the following important vehicle information to the operator:

- Indication that the occupant placed an SOS-Emergency Call.
- The Vehicle Identification Number (VIN).
- The last known GPS coordinates of the vehicle.

You will then be able to speak with the emergency service operator to determine if additional help is needed.

The SOS-Emergency Call has priority over other audio sources, which will be muted. If you have a phone connected via Bluetooth®, it is disconnected and recon-

nected at the end of the SOS-Emergency Call. Voice prompts will guide you during the SOS-Emergency Call. If a connection is made between an emergency service operator and your vehicle, emergency service operators may record conversations and sounds within your vehicle once a connection is made, and by using the service you consent to having this information shared.

SOS-Emergency Call System Limitations

When the ignition switches to the RUN position, the Emergency Call system runs a routine check. During this check, a red indicator will illuminate for about three seconds. This signal must not be confused with a fault warning. In the event of a malfunction, the red indicator would remain on. If the SOS-Emergency Call system detects a malfunction, any of the following may occur at the time the malfunction is detected:

- The LED within the SOS button will continuously illuminate red.
- The Emergency Call system is powered by its own non-rechargeable battery to ensure operation, even when the vehicle battery is discharged or disconnected. When system battery is discharged, the instrument cluster display will show a special message, different than other messages referring to other types of faults. In this case, the system works only if powered by the vehicle's battery.
- The instrument cluster will display a message alerting you to contact the Service Network along with a failure warning light.

Even if the SOS-Emergency Call system is fully functional, external or uncontrolled factors may prevent or stop SOS-Emergency Call operation. These include, but are not limited to, the following factors:

- The ignition is in OFF position.
- The vehicle's electrical systems are not intact.

- The SOS-Emergency Call system software and/or hardware is damaged during a vehicle collision.
- There are network problems that could limit or impair service operation (e.g., error by operator, busy network, bad weather, etc.).

If the vehicle battery connection fails due to a collision or accident, the system can support an SOS-Emergency Call for a limited period of time. If the battery is disconnected for service, the system turns off. In this case, it will be possible to make an SOS-Emergency Call only when the battery is reconnected to the vehicle's electrical system.

System Requirements

- Vehicle must have an operable 3G or 4G network connection.
- Vehicle must be powered with a properly functioning electrical system.
- The ignition must be in the RUN or ACC position.

WARNING!

- Never place anything on or near the vehicle's 3G and GPS aerials. You could prevent 3G and GPS signal reception, which can prevent your vehicle from placing an emergency call. An operable 3G network connection and a GPS signal is required for the SOS-Emergency Call system to function properly.
- Do not add any aftermarket electrical equipment to the vehicle's electrical system. This may prevent your vehicle from sending a signal to initiate an emergency call. To avoid interference that can cause the SOS-Emergency Call system to fail, never add aftermarket equipment (e.g., two-way mobile radio, CB radio, data recorder, etc.) to your

(Continued)

WARNING!

vehicle's electrical system or modify the antennas on your vehicle. IF YOUR VEHICLE LOSES BATTERY POWER FOR ANY REASON (INCLUDING DURING OR AFTER AN ACCIDENT) THE MTC+ FEATURES, APPS AND SERVICES AMONG OTHERS WILL NOT OPERATE.

- The Occupant Restraint Controller (ORC) turns on the air bag warning light in the instrument cluster if a malfunction in any part of the air bag system is detected. If the air bag warning light is illuminated, the air bag system may not be working properly and the SOS-Emergency Call system may not be able to send a signal to an emergency service operator. If the air bag warning light is illuminated, contact the Service Network to have the air bag system checked immediately.
- Ignoring the LED on the SOS-Emergency Call button could mean you will not have emergency call services if needed. If the LED on SOS-Emergency Call button is illuminated red, contact the Service Network to have the emergency call system checked immediately.
- If anyone in the vehicle could be in danger (e.g., fire or smoke is visible, dangerous road conditions or location), do not wait for voice contact from an emergency service operator. All occupants should exit the vehicle immediately and move to a safe location.
- Failure to perform scheduled maintenance and regularly inspect your vehicle may result in vehicle damage, accident or injury.

Frequently Asked Questions:**What happens if I accidentally push the SOS-Emergency Call Button?**

- You have 10 seconds after pushing the emergency button to cancel the call. To cancel the call, push the button again.

What type of information is sent when I make an SOS-Emergency Call from my vehicle?

- Certain vehicle information, such as the VIN, is transmitted along with last known GPS location. Also note that emergency service operators may record conversations and sounds within your vehicle once a connection is made, and by using the service you consent to having this information shared.

When can I use the SOS-Emergency Call button?

- You can **ONLY** use the SOS-Emergency Call button to make a call if you or someone else needs emergency assistance.

**JACKING AND TIRE CHANGING****WARNING!**

- Do not attempt to change a tire on the side of the vehicle close to moving traffic. Pull far enough off the road to avoid the danger of being hit when operating the jack or changing the wheel.

(Continued)

WARNING!

- Being under a jacked-up vehicle is dangerous. The vehicle could slip off the jack and fall on you. You could be crushed. Never put any part of your body under a vehicle that is on a jack. If you need to get under a raised vehicle, take it to a service center where it can be raised on a lift.
- Never start or run the engine while the vehicle is on a jack.
- The jack is designed to be used as a tool for changing tires only. The jack should not be used to lift the vehicle for service purposes. The vehicle should be jacked on a firm level surface only. Avoid ice or slippery areas.

NOTE:

If your vehicle is equipped with an air suspension system, there is a feature which allows the automatic leveling to be disabled to assist with changing a tire. This feature can be activated through the Uconnect system ➞ page 202.

PREPARATIONS FOR JACKING**NOTE:**

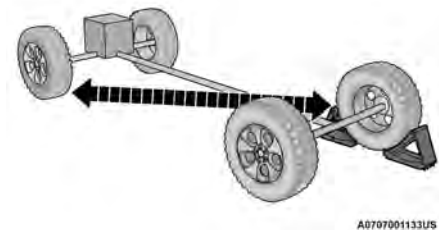
If your vehicle is equipped with Air Suspension, you will need to enable Tire Jack Mode in the Uconnect system before changing the tire ➞ page 133.

1. Park on a firm, level surface. Avoid ice or slippery areas.

WARNING!

Do not attempt to change a tire on the side of the vehicle close to moving traffic. Pull far enough off the road to avoid being hit when operating the jack or changing the wheel.

2. Turn on the Hazard Warning Flashers.
3. Apply the parking brake.
4. Shift the transmission into PARK (P).
5. Turn the ignition OFF.
6. Block both front and rear of the wheel diagonally opposite of the jacking position. For example, if the driver's front wheel is being changed, block the passenger's rear wheel.



Wheel Blocked Example

NOTE:

Passengers should not remain in the vehicle when the vehicle is being raised or lifted.

JACK LOCATION

The jack and tools are stored under the front passenger seat.

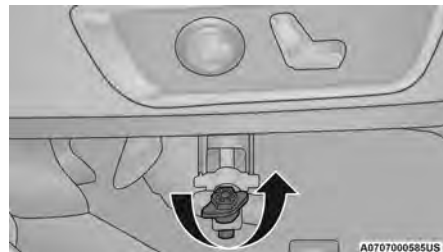
REMOVAL OF JACK AND TOOLS

To access the jack and tools, you must remove the plastic access cover located on the side of the front passenger's seat. To remove the cover, pull the front part of the cover (closest to the front of the seat) toward you to release a locking tab. Once the front of the cover is loose, slide the cover toward the front of the seat until it is free from the seat frame.



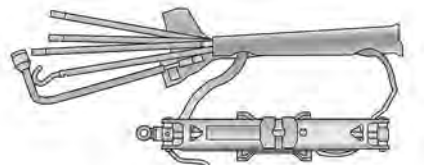
Pull Jack Access Cover From Front

Remove the jack and tools by turning the wing bolt counterclockwise. After removing the wing bolt, slide the assembly out from under the seat.



Jack And Tools

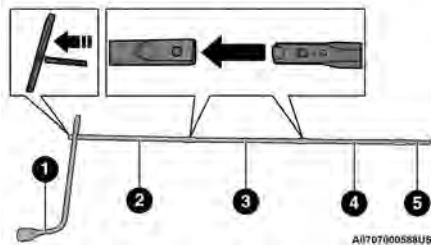
Release the tool bag straps from the jack and remove tools from bag.



Jack And Tool Bag

There are two ways to assemble the tools:

Assembled For Spare Tire Lowering/Raising



Assembled For Spare Tire Lowering/Raising

- 1 – Lug Wrench
- 2 – Long Extension Without Spring Clip #2
- 3 – Long Extension With Spring Clip #3
- 4 – Long Extension With Spring Clip #4
- 5 – Short Extension #5

NOTE:

If the tailgate is lowered, adding the shorter extension #5 to jack extension #4 will enable lowering the spare tire without having to raise the tailgate.

CAUTION!

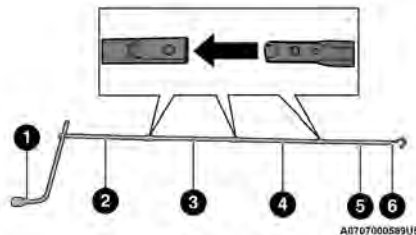
- The lug wrench can only be attached to extension #2.
- When attaching the tool to the winch mechanism be sure the large flared end opening on extension #4 is positioned correctly over the winch mechanism adjusting nut.

(Continued)

CAUTION!

- Damage to the lug wrench, extensions and winch mechanism may occur from improper tool assembly.

Assembled For Jack Operation



Assembled For Jack Operation

- 1 – Lug Wrench
- 2 – Long Extension #2
- 3 – Long Extension #3
- 4 – Long Extension #4
- 5 – Short Extension #5
- 6 – Extension With Hook

WARNING!

After using the jack and tools, always reinstall them in the original carrier and location. While driving you may experience abrupt stopping, rapid acceleration or sharp turns. A loose jack, tools, bracket or other objects in the vehicle may move around with force, resulting in serious injury.

REMOVING THE SPARE TIRE

1. Remove the spare tire before attempting to jack up the truck. Attach the lug wrench to the extension tubes with the curved angle facing away from the vehicle.
2. Remove the protective cover over the access hole for the winch mechanism by sliding the cover upward.

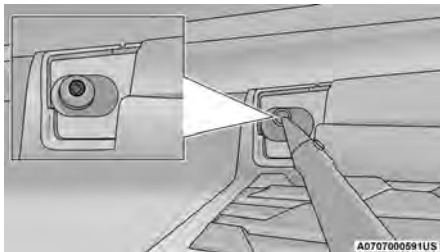
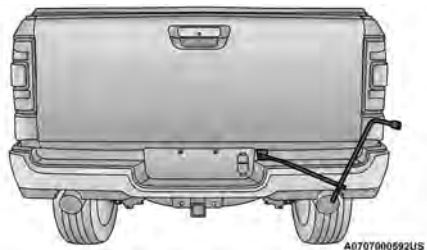


Access Hole Cover Location

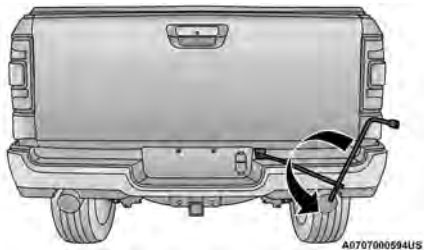
3. Insert the extension tubes through the access hole between the lower tailgate and the top of the fascia/bumper and into the winch mechanism tube.

CAUTION!

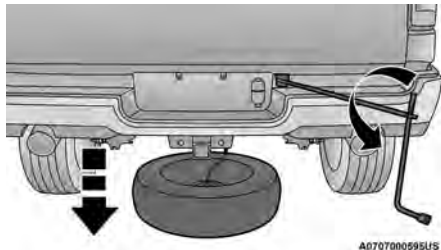
The winch mechanism is designed for use with the jack extension tubes only. Use of an air wrench or other power tools is not recommended and can damage the winch.

**Winch Mechanism Tube****Inserting The Extension Tubes Into The Access Hole**

4. Rotate the lug wrench handle counterclockwise until the spare tire is on the ground with enough cable slack to allow you to pull it out from under the vehicle.

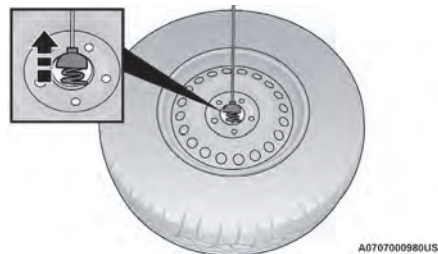
**Rotating The Lug Wrench Handle**

5. Pull the spare tire out from under the vehicle to gain access to the spare tire retainer.

**Pulling The Spare Tire Out**

6. Lift the spare tire with one hand to give clearance to tilt the retainer at the end of the cable.

7. Pull the retainer through the center of the wheel.

**Disengaging The Retainer****JACKING INSTRUCTIONS****WARNING!**

Carefully follow these tire changing warnings to help prevent personal injury or damage to your vehicle:

- Always park on a firm, level surface as far from the edge of the roadway as possible before raising the vehicle.
- Turn on the Hazard Warning Flashers.
- Apply the parking brake firmly and set the transmission in PARK.
- Block the wheel diagonally opposite the wheel to be raised.
- Never start or run the engine with the vehicle on a jack.
- Do not let anyone sit in the vehicle when it is on a jack.

(Continued)

WARNING!

- Do not get under the vehicle when it is on a jack. If you need to get under a raised vehicle, take it to a service center where it can be raised on a lift.
- Only use the jack in the positions indicated and for lifting this vehicle during a tire change.
- If working on or near a roadway, be extremely careful of motor traffic.
- To assure that spare tires, flat or inflated, are securely stowed, spares must be stowed with the valve stem facing the ground.

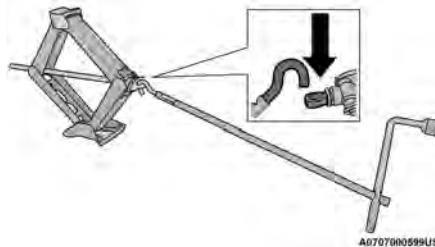


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Jack Warning Label**CAUTION!**

Do not attempt to raise the vehicle by jacking on locations other than those indicated in the Jacking Instructions for this vehicle.

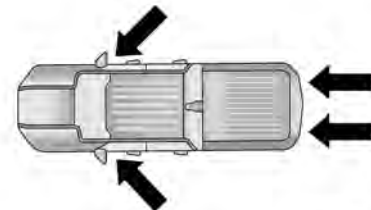
1. Remove the spare tire, jack, and tools from the stored location.
2. Using the lug wrench, loosen the wheel nuts (but do not remove), by turning them counterclockwise one turn while the wheel is still on the ground.
3. Assemble the jack and jacking tools. Connect the jack handle driver to the extension, then to the lug wrench.



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Assembled Jack And Tools

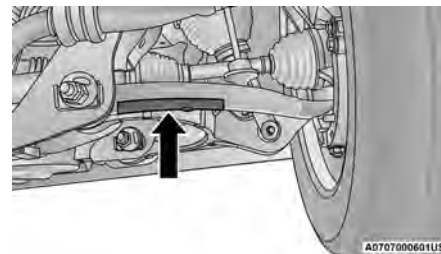
4. Placement for the front and rear jacking locations are critical. See the following images for proper jacking locations.



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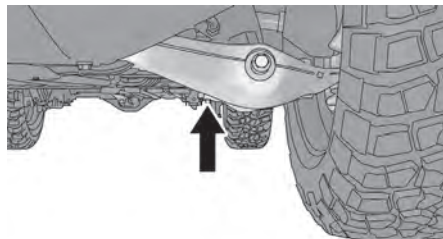
Jack / Extensions Placement**Front Jacking Location**

When changing a front wheel, place the scissor jack under the rear portion of the lower control arm as shown. Access the front jacking location from behind the front tire.

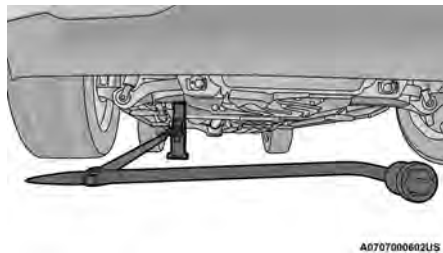


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Front Lifting Point

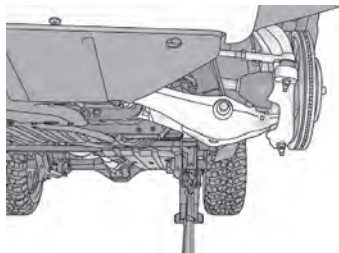


Front Lifting Point — TRX Only



A0707000602US

Front Jacking Location

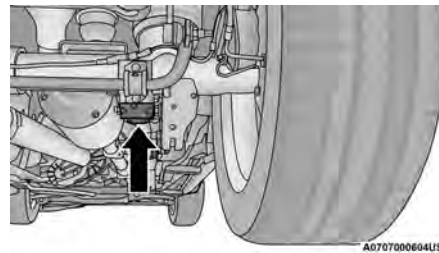


Front Jacking Location — TRX Only

Rear Jacking Location

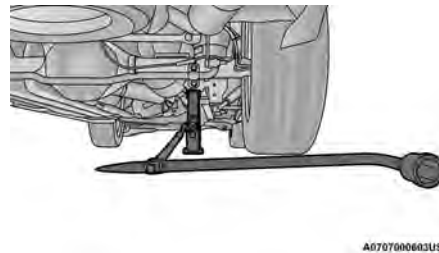
Operate the jack using the extension with jack hook and the lug wrench. The extension tubes may be used but are not required.

When changing a rear wheel, assemble the extension with jack hook to the jack and connect the extension tubes. **Access the rear jacking location from behind the rear tire.** Place the jack under the Jack Lifting Point located on the rear axle lower control arm bracket. Then locate the slot in the jack lift plate onto the rear axle Jack Lifting Point. Attach the extension with jack hook extending to the rear of the vehicle.



A0707000604US

Rear Lifting Point



A0707000603US

Rear Jacking Location

Connect the long extensions to the lug wrench.

CAUTION!

Before raising the wheel off the ground, make sure that the jack will not damage surrounding truck parts and adjust the jack position as required.

- By rotating the lug wrench clockwise, raise the vehicle until the wheel just clears the ground surface.

WARNING!

Raising the vehicle higher than necessary can make the vehicle less stable. It could slip off the jack and hurt someone near it. Raise the vehicle only enough to remove the tire.

- Remove the lug nuts and pull the wheel off. Install the spare wheel and lug nuts with the cone shaped end of the lug nuts toward the wheel. Hand tighten the lug nuts with the vehicle lifted. To avoid the risk of forcing the vehicle off the jack, do not fully tighten the lug nuts until the vehicle has been completely lowered.
- Lower the vehicle to the ground and finish tightening the lug nuts. Push down on the wrench handle for increased leverage. Tighten the lug nuts in a star pattern until each lug nut has been tightened twice → page 337. If in doubt about the correct tightness, have them checked with a torque wrench by an authorized dealer or at a service station.

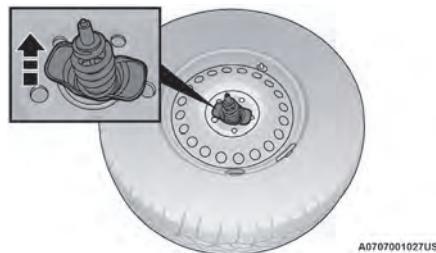
WARNING!

A loose tire or jack thrown forward in a collision or hard stop, could endanger the occupants of the vehicle. Always stow the jack parts and the spare tire in the places provided.

- If your vehicle is equipped with a wheel center cap, install the cap and remove the wheel blocks. Do not install chrome or aluminum wheel center caps on the spare wheel. This may result in cap damage.
- Lower the jack to its fully closed position. Stow the replaced tire, and secure the jack and tools in the proper location.
- Adjust the tire pressure when possible.

TO STOW THE FLAT OR SPARE

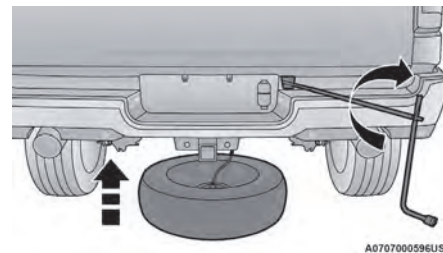
- Lift the spare tire with one hand to give clearance to tilt the retainer at the end of the cable.
- Position the wheel behind the rear fascia/bumper facing outward. Push the end of the winch's cable, spring and steel sleeve through the back of the road wheel. Making sure the valve stem is facing the ground when the wheel is stowed.

**Reinstalling The Retainer**

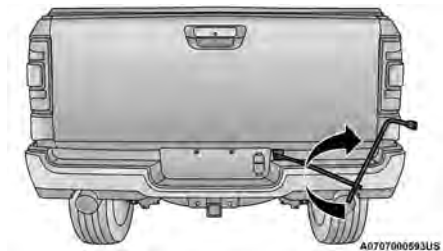
- Remove the extension with the hook and reattach the short extension #5 → page 278. Attach the lug wrench to the extension tubes with the curved angle facing away from the vehicle. Insert the extension tubes through the access hole between the lower tailgate and the top of the fascia/bumper and into the winch mechanism tube.

CAUTION!

The winch mechanism is designed for use with the jack extension tubes only. Use of an air wrench or other power tools is not recommended and can damage the winch.

**Reinstalling The Flat Or Spare Tire**

- Rotate the lug wrench handle clockwise until the wheel is drawn into place against the underside of the vehicle. Continue to rotate until you feel the winch mechanism slip, or click three or four times. It cannot be overtightened. Push against the tire several times to ensure it is firmly in place.

**Rotating The Lug Wrench Handle****NOTE:**

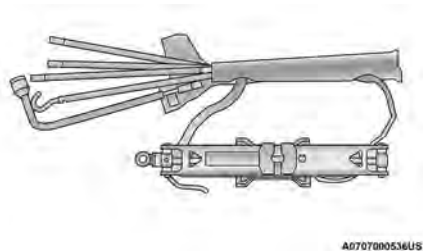
Have the flat tire repaired or replaced immediately.

WARNING!

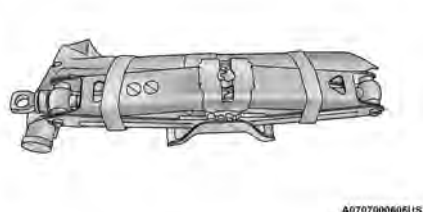
A loose tire or jack thrown forward in a collision or hard stop could endanger the occupants of the vehicle. Always stow the jack parts and the spare tire in the places provided. Have the deflated (flat) tire repaired or replaced immediately.

REINSTALLING THE JACK AND TOOLS

1. Tighten the jack all the way down by turning the jack turn-screw counterclockwise until the jack is snug.
2. Position the jack and tool bag. Make sure the lug wrench is under the jack near the jack turn-screw.

**Jack And Tool Bag**

3. Secure the tool bag straps to the jack.

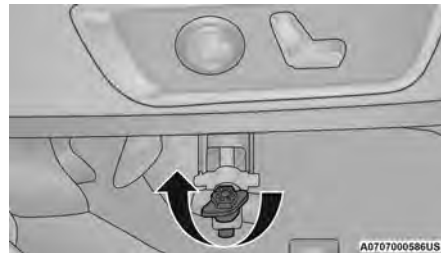
**Jack And Tools Tied**

4. Place the jack and tools in the storage position holding the jack by the jack turn-screw, slip the jack and tools under the seat so that the bottom slot engages into the fastener on the floor.

NOTE:

Ensure that the jack slides into the front hold down location.

5. Turn the wing bolt clockwise to secure to the floor pan. Reinstall the plastic cover.

**Jack Hold Down Wing Bolt****WARNING!**

After using the jack and tools, always reinstall them in the original carrier and location. While driving you may experience abrupt stopping, rapid acceleration or sharp turns. A loose jack, tools, bracket or other objects in the vehicle may move around with force, resulting in serious injury.

JUMP STARTING

If your vehicle has a discharged battery, it can be jump started using a set of jumper cables and a battery in another vehicle, or by using a portable battery booster pack. Jump starting can be dangerous if done improperly, so please follow the procedures in this section carefully.

WARNING!

Do not attempt jump starting if the battery is frozen. It could rupture or explode and cause personal injury.

CAUTION!

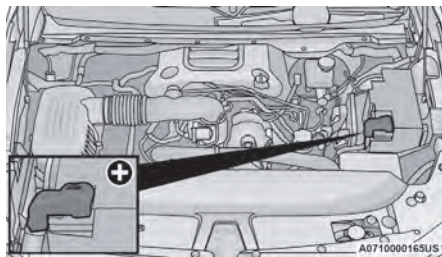
Do not use a portable battery booster pack or any other booster source with a system voltage greater than 12 Volts or damage to the battery, starter motor, alternator or electrical system may occur.

NOTE:

When using a portable battery booster pack, follow the manufacturer's operating instructions and precautions.

PREPARATIONS FOR JUMP START

The battery in your vehicle is located in the front of the engine compartment, behind the left headlight assembly.



Positive (+) Battery Post Location

NOTE:

The positive battery post may be covered with a protective cap. Lift up on the cap to gain access to the positive battery post. Do not jump off fuses. Only jump directly off positive post which has a positive (+) symbol on or around the post.

See the following steps to prepare for jump starting:

1. Shift the automatic transmission into PARK, apply the parking brake and turn the ignition OFF.
2. Turn off the heater, radio, and all electrical accessories.
3. If using another vehicle to jump start the battery, park the vehicle within the jumper cables' reach, apply the parking brake and make sure the ignition is OFF.

WARNING!

Do not allow vehicles to touch each other as this could establish a ground connection and personal injury could result.

4. Pull upward and remove the protective cover over the positive (+) battery post.

WARNING!

- Take care to avoid the radiator cooling fan whenever the hood is raised. It can start anytime the ignition switch is ON. You can be injured by moving fan blades.
- Remove any metal jewelry such as rings, watch bands and bracelets that could make an inadvertent electrical contact. You could be seriously injured.

(Continued)

WARNING!

- Batteries contain sulfuric acid that can burn your skin or eyes and generate hydrogen gas which is flammable and explosive. Keep open flames or sparks away from the battery.

JUMP STARTING PROCEDURE**WARNING!**

Failure to follow this jump starting procedure could result in personal injury or property damage due to battery explosion.

CAUTION!

Failure to follow these procedures could result in damage to the charging system of the booster vehicle or the discharged vehicle.

Connecting The Jumper Cables

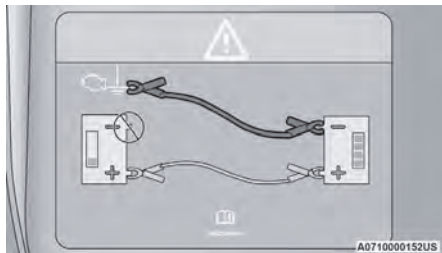
1. Connect the positive (+) end of the jumper cable to the positive (+) post of the discharged vehicle.

NOTE:

Do not jump off fuses. Only jump directly off positive post.

2. Connect the opposite end of the positive (+) jumper cable to the positive (+) post of the booster battery.
3. Connect the negative (-) end of the jumper cable to the negative (-) post of the booster battery.

- Connect the opposite end of the negative (-) jumper cable to a good engine ground. A "ground" is an exposed metallic/unpainted part of the engine, frame or chassis, such as an accessory bracket or large bolt. The ground must be away from the battery and the fuel injection system.



Jump Starting Label

WARNING!

Do not connect the jumper cable to the negative (-) post of the discharged battery. The resulting electrical spark could cause the battery to explode and could result in personal injury.

- Start the engine in the vehicle that has the booster battery, let the engine idle a few minutes, and then start the engine in the vehicle with the discharged battery.

CAUTION!

Do not connect jumper cable to any of the fuses on the positive battery terminal. The resulting electrical current will blow the fuse.

- Once the engine is started, follow the disconnection procedure.

Disconnecting The Jumper Cables

- Disconnect the negative (-) end of the jumper cable from the engine ground of the vehicle with the discharged battery.
- Disconnect the opposite end of the negative (-) jumper cable from the negative (-) post of the booster battery.
- Disconnect the positive (+) end of the jumper cable from the positive (+) post of the booster battery.
- Disconnect the opposite end of the positive (+) jumper cable from the positive (+) post of the vehicle with the discharged battery, and reinstall the protective cap.

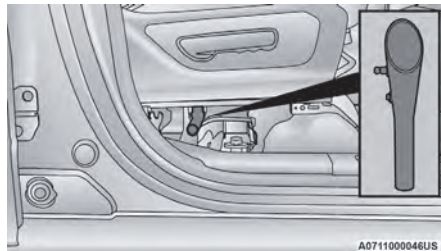
If frequent jump starting is required to start your vehicle you should have the battery and charging system inspected at an authorized dealer.

CAUTION!

Accessories plugged into the vehicle power outlets draw power from the vehicle's battery, even when not in use (i.e., cellular devices, etc.). Eventually, if plugged in long enough without engine operation, the vehicle's battery will discharge sufficiently to degrade battery life and/or prevent the engine from starting.

REFUELING IN EMERGENCY

The vehicle is equipped with a refueling funnel for a capless fuel system. The refueling funnel is located under the passenger's seat along with the jack and tools. If refueling is necessary, while using an approved gas can, insert the refueling funnel into the filler neck opening. Take care to open both flappers with the funnel to avoid spills.



Fuel Funnel Location

NOTE:

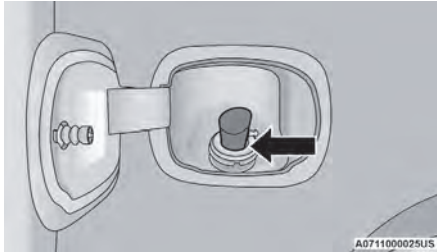
In certain cold conditions, ice may prevent the fuel door from opening. If this occurs, lightly push on the fuel door to break the ice buildup and re-release the fuel door using the inside release button. Do not pry on the door.

Emergency Gas Can Refueling:

Most gas cans will not open the flapper doors. A funnel is provided to allow emergency refueling with a gas can. See the following steps for refueling:

- Retrieve funnel from under the passenger's front seat.

2. Insert funnel into same filler pipe opening as the fuel nozzle.



Inserting Funnel

3. Ensure funnel is inserted fully to hold flapper doors open.
4. Pour fuel into funnel opening.

CAUTION!

To avoid fuel spillage and overfilling, do not “top off” the fuel tank after filling.

5. Remove funnel from filler pipe, clean off prior to putting back in the spare tire storage area.

WARNING!

- Never have any smoking materials lit in or near the vehicle when the fuel door is open or the tank is being filled.

(Continued)

WARNING!

- Never add fuel when the engine is running. This is in violation of most countries regulations and may cause the Malfunction Indicator Light to turn on.
- A fire may result if fuel is pumped into a portable container that is inside of a vehicle. You could be burned. Always place fuel containers on the ground while filling.

IF YOUR ENGINE OVERHEATS

If the vehicle is overheating, it will need to be serviced by an authorized dealer.

Potential signs of vehicle overheating:

- Temperature gauge is at HOT (H)
- Strong smell of coolant
- White smoke coming from engine or exhaust
- Coolant bottle coolant has bubbles present

WARNING!

You or others can be badly burned by hot engine coolant (antifreeze) or steam from your radiator. If you see or hear steam coming from under the hood, do not open the hood until the radiator has had time to cool. Never try to open a cooling system pressure cap when the radiator or coolant bottle is hot.

If the temperature gauge is moving toward or close to the HOT (H) position, you can reduce the potential for overheating by the following:

- On highways — slow down.

- In city traffic — while stopped, place the transmission in NEUTRAL (N), but do not increase the engine idle speed while preventing vehicle motion with the brakes.
- If your Air Conditioner (A/C) is on, turn it off. The A/C system adds heat to the engine cooling system and turning the A/C off can help remove this heat.
- You can also turn the temperature control to maximum heat, the mode control to floor and the blower control to high. This allows the heater core to act as a supplement to the radiator and aids in removing heat from the engine cooling system.

CAUTION!

Driving with a hot cooling system could damage your vehicle. If the temperature gauge reads HOT (H), pull over and stop the vehicle. Idle the vehicle with the air conditioner turned off until the pointer drops back into the normal range. If the pointer remains on HOT (H), and you hear continuous chimes, turn the engine off immediately and call for service.

7

MANUAL PARK RELEASE

WARNING!

Always secure your vehicle by fully applying the parking brake before activating the Manual Park Release. In addition, you should be seated in the driver's seat with your foot firmly on the brake pedal when activating the Manual Park Release. Activating the Manual Park Release will allow your vehicle to roll away if it is not secured by the parking brake, or by proper con-

(Continued)

WARNING!

nection to a tow vehicle. Activating the Manual Park Release on an unsecured vehicle could lead to serious injury or death for those in or around the vehicle.

In order to move the vehicle in cases where the transmission will not shift out of PARK (P) (such as a depleted battery), a Manual Park Release is available.

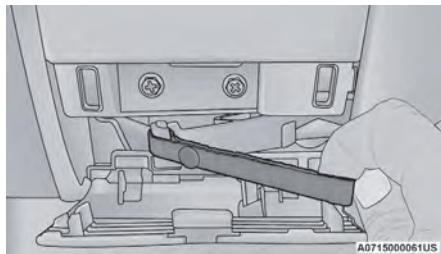
Follow these steps to activate the Manual Park Release:

1. Apply firm pressure to the brake pedal while seated in the driver's seat.
2. Apply the parking brake if possible.
3. Using a small screwdriver or similar tool, open the Manual Park Release cover, which is located to the lower left of the steering column.



Manual Park Release Access Cover

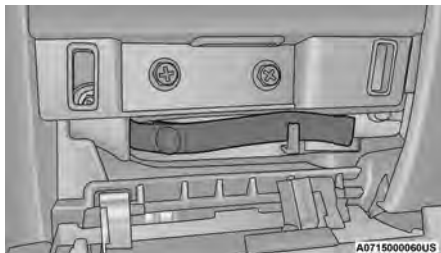
4. Behind the Manual Park Release access cover is the orange tether strap. Pull the tether strap out as far as it will go, then release it. The tether and lever will remain outside of the trim panel and the transmission should now be in NEUTRAL, allowing the vehicle to be moved.



Manual Park Release Tether

To Reset The Manual Park Release:

1. Apply firm pressure to the brake pedal while seated in the driver's seat.
2. Pull the tether strap out again, then release it.
3. Allow the tether to retract with the lever back to its original position.



Manual Park Release Tether

4. Verify the transmission is in PARK.
5. Confirm that the tether has retracted fully and reinstall the access cover. If the access cover cannot be reinstalled, repeat steps 1 through 4.

NOTE:

When the lever is locked in the released position the access cover cannot be reinstalled.

FREEING A STUCK VEHICLE

If your vehicle becomes stuck in mud, sand, or snow, it can often be moved using a rocking motion. Turn the steering wheel right and left to clear the area around the front wheels. Then shift back and forth between DRIVE (D) and REVERSE (R), while gently pressing the accelerator. Use the least amount of accelerator pedal pressure that will maintain the rocking motion, without spinning the wheels or racing the engine.

CAUTION!

- Racing the engine or spinning the wheels may lead to transmission overheating and failure. Allow the engine to idle with the transmission in **NEUTRAL** for at least one minute after every five rocking-motion cycles. This will minimize overheating and reduce the risk of transmission failure during prolonged efforts to free a stuck vehicle.
- When "rocking" a stuck vehicle by shifting between **DRIVE** and **REVERSE**, do not spin the wheels faster than 15 mph (24 km/h), or drivetrain damage may result.
- Revving the engine or spinning the wheels too fast may lead to transmission overheating and failure. It can also damage the tires. Do not spin the wheels above 30 mph (48 km/h) while in gear (no transmission shifting occurring).

NOTE:

Shifts between **DRIVE** and **REVERSE** can only be achieved at wheel speeds of 5 mph (8 km/h) or less. Whenever the transmission remains in **NEUTRAL (N)** for more than two seconds, you must press the brake pedal to engage **DRIVE** or **REVERSE**.

Push the **ESC OFF** button to place the Electronic Stability Control (ESC) system in "Partial OFF" mode, before rocking the vehicle ➞ page 231. Once the vehicle has been freed, push the **ESC OFF** button to restore "ESC On" mode.

WARNING!

Fast spinning tires can be dangerous. Forces generated by excessive wheel speeds may cause damage, or even failure, of the axle and tires. A tire could explode and injure someone. Do not spin your vehicle's wheels faster than 30 mph (48 km/h) or for longer than 30 seconds continuously without stopping when you are stuck and do not let anyone near a spinning wheel, no matter what the speed.

TOWING A DISABLED VEHICLE

This section describes procedures for towing a disabled vehicle using a commercial towing service.

If the transmission and drivetrain are operable, disabled vehicles may also be towed as described on ➞ page 180.

NOTE:

Vehicles equipped with the Active-Level Four Corner Air Suspension System must be placed in **Transport** mode, before tying them down (from the body) on a trailer or flatbed truck ➞ page 133. If the vehicle cannot be placed in **Transport** mode (for example, engine will not run), tie-downs must be fastened to the axles (not to the body). Failure to follow these instructions may cause fault codes to be set and/or cause loss of proper tie-down tension.

Towing Condition	Wheels OFF The Ground	4WD Models
Flat Tow	NONE	Detailed instruction on ➞ page 180 <ul style="list-style-type: none"> • Automatic Transmission in PARK • Transfer Case in NEUTRAL (N) • Tow in forward direction
Wheel Lift Or Dolly Tow	Front	NOT ALLOWED
	Rear	NOT ALLOWED
Flatbed	ALL	BEST METHOD

Proper towing or lifting equipment is required to prevent damage to your vehicle. Use only tow bars and other equipment designed for this purpose, following equipment per FCA US LLC instructions. Use of safety chains is mandatory. Attach a tow bar or other towing device to main structural members of the vehicle, not to fascia/bumpers or associated brackets. State and local laws regarding vehicles under tow must be observed.

If you must use the accessories (wipers, defrosters, etc.) while being towed, the ignition must be in the ON/RUN mode, not the ACC mode.

If the key fob is unavailable or the vehicle's battery is discharged, find instructions on shifting the transmission out of PARK in order to move the vehicle ➞ page 287.

CAUTION!

- Do not use sling type equipment when towing. Vehicle damage may occur.
- When securing the vehicle to a flatbed truck, do not attach to front or rear suspension components. Damage to your vehicle may result from improper towing.

FOUR-WHEEL DRIVE MODELS

FCA US LLC recommends towing with all wheels **OFF** the ground.

If flatbed equipment is not available and the transfer case is operable, the vehicle may be towed (in the forward direction, with **ALL** wheels on the ground), **IF** the transfer case is in **NEUTRAL (N)** and the transmission is in **PARK (P)** ➞ page 180.

CAUTION!

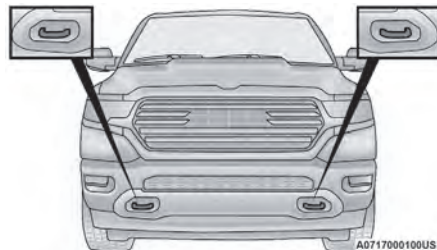
- Front or rear wheel lifts must not be used (if the remaining wheels are on the ground). Internal damage to the transmission or transfer case will occur if a front or rear wheel lift is used when towing.
- Towing this vehicle in violation of the approved requirements can cause severe transmission and/or transfer case damage. Damage from improper towing is not covered under the New Vehicle Limited Warranty.

EMERGENCY TOW HOOKS — IF EQUIPPED

Your vehicle may be equipped with front and rear emergency tow hooks.

CAUTION!

Tow hooks are for emergency use only, to rescue a vehicle stranded off road. Do not use tow hooks for tow truck hookup or highway towing. You could damage your vehicle.



Front Tow Hooks

NOTE:

For off-road recovery, it is recommended to always use both of the tow hooks to minimize the risk of damage to the vehicle.



Rear Tow Hooks — TRX Only

WARNING!

- Do not use a chain for freeing a stuck vehicle. Chains may break, causing serious injury or death.
- Stand clear of vehicles when pulling with tow hooks. Tow straps may become disengaged, causing serious injury.

ENHANCED ACCIDENT RESPONSE SYSTEM (EARS)

This vehicle is equipped with an Enhanced Accident Response System.

This feature is a communication network that takes effect in the event of an impact ➞ page 260.

EVENT DATA RECORDER (EDR)

This vehicle is equipped with an Event Data Recorder (EDR). The main purpose of an EDR is to record data that will assist in understanding how a vehicle's systems performed under certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle ➞ page 261.

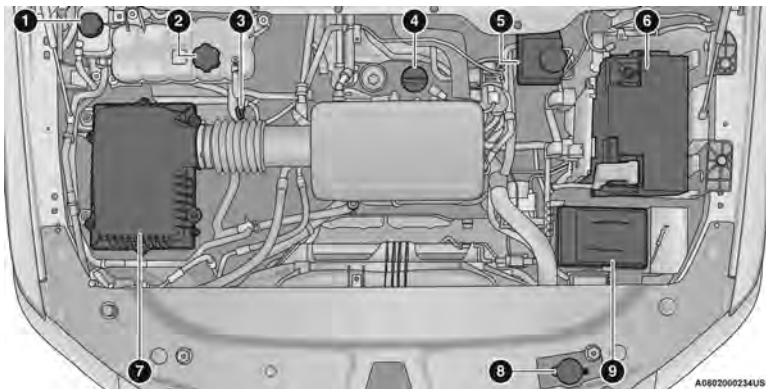
SERVICING AND MAINTENANCE

SCHEDULED SERVICING

Refer to the "Service And Warranty Handbook (Auto Biography)" for scheduled servicing.

ENGINE COMPARTMENT

3.6L ENGINE WITH STOP/START

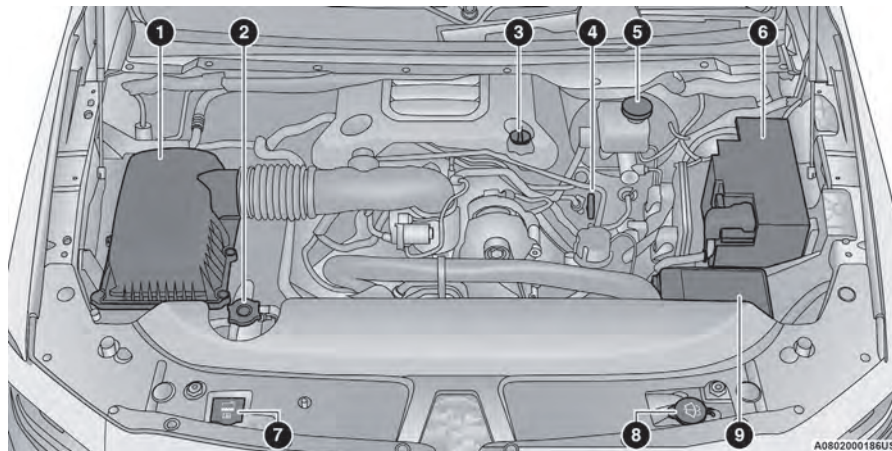


3.6L Engine With Stop/Start

- 1 — Motor Generator Unit Coolant Reservoir Pressure Cap
- 2 — Engine Coolant Reservoir Pressure Cap
- 3 — Engine Oil Dipstick
- 4 — Engine Oil Fill
- 5 — Brake Fluid Reservoir

- 6 — Battery
- 7 — Engine Air Cleaner, Filter
- 8 — Washer Fluid Reservoir Cap
- 9 — Power Distribution Center (Fuses)

5.7L ENGINE WITHOUT STOP/START

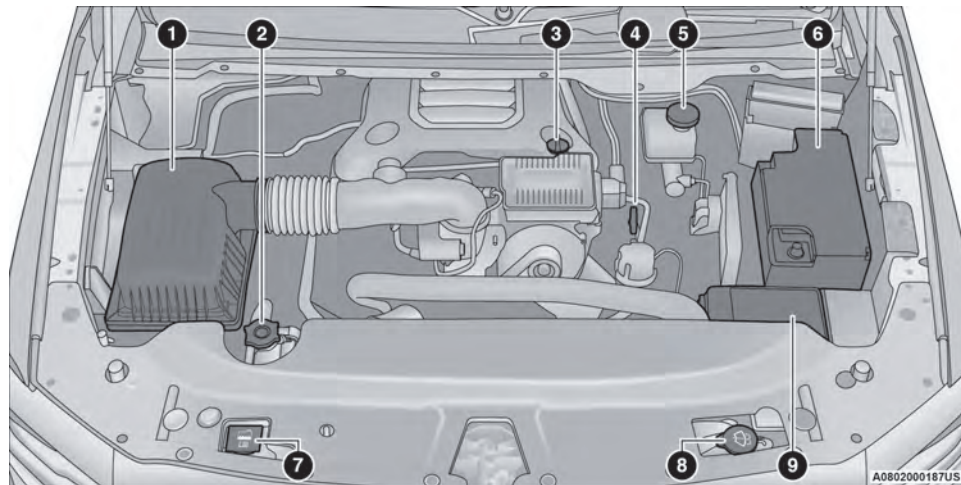


5.7L Engine Without Stop/Start

- 1 — Engine Air Cleaner, Filter
- 2 — Engine Coolant Pressure Cap
- 3 — Engine Oil Fill
- 4 — Engine Oil Dipstick
- 5 — Brake Fluid Reservoir Cap

- 6 — Battery
- 7 — Engine Coolant Reservoir Cap
- 8 — Washer Fluid Reservoir Cap
- 9 — Power Distribution Center (Fuses)

5.7L ENGINE WITH STOP/START

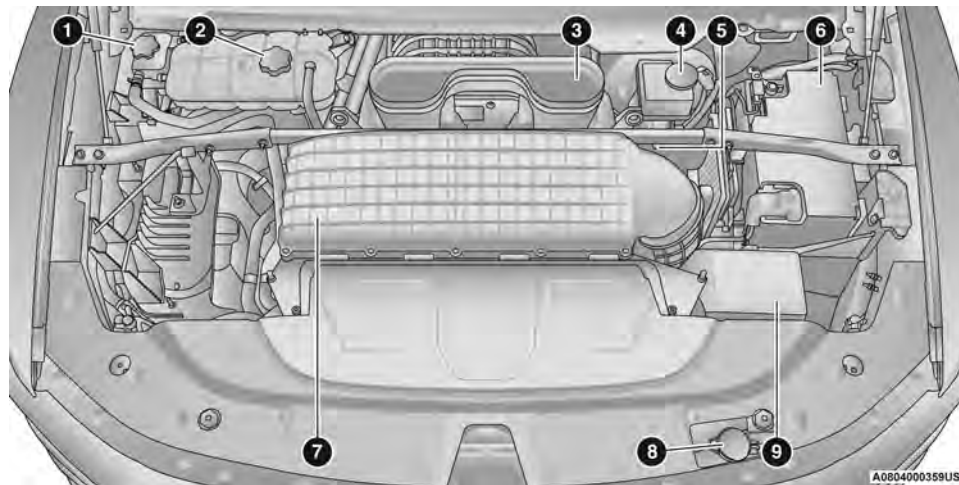


5.7L Engine With Stop/Start

- 1 — Engine Air Cleaner, Filter
- 2 — Engine Coolant Pressure Cap
- 3 — Engine Oil Fill
- 4 — Engine Oil Dipstick
- 5 — Brake Fluid Reservoir Cap

- 6 — Battery
- 7 — Engine Coolant Reservoir Cap
- 8 — Washer Fluid Reservoir Cap
- 9 — Power Distribution Center (Fuses)

6.2L SUPERCHARGED ENGINE (BEAUTY COVER REMOVED)

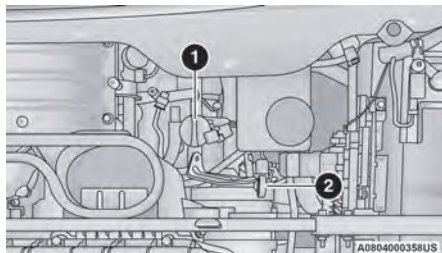


- 1 — Intercooler Coolant Reservoir Cap
- 2 — Engine Coolant Reservoir Pressure Cap
- 3 — Engine Oil Fill (behind air intake)¹
- 4 — Brake Fluid Reservoir Cap
- 5 — Engine Oil Dipstick²

- 6 — Battery
- 7 — Engine Air Cleaner, Filters
- 8 — Washer Fluid Reservoir Cap
- 9 — Power Distribution Center (Fuses)

¹ See following image for further description of location.

² See following image for further description of location.



Engine Oil Fill And Dipstick Location

- 1 — Engine Oil Fill
2 — Engine Oil Dipstick

CHECKING OIL LEVEL

To ensure proper engine lubrication, the engine oil must be maintained at the correct level. Check the oil level at regular intervals, such as every fuel stop. The best time to check the engine oil level is about five minutes after a fully warmed up engine is shut off.

Checking the oil while the vehicle is on level ground will improve the accuracy of the oil level readings.

There are four possible dipstick types:

- Crosshatched zone.
- Crosshatched zone marked SAFE.
- Crosshatched zone marked with MIN at the low end of the range and MAX at the high end of the range.
- Crosshatched zone marked with dimples at the MIN and the MAX ends of the range.

NOTE:

Always maintain the oil level within the crosshatch markings on the dipstick.

Adding 1 qt (1.0 L) of oil when the reading is at the low end of the dipstick range will raise the oil level to the high end of the range marking.

CAUTION!

Overfilling or underfilling the crankcase will cause oil aeration or loss of oil pressure. This could damage your engine.

ADDING WASHER FLUID

The fluid reservoir is located under the hood and the fluid level should be checked at regular intervals. Fill the reservoir with windshield washer solvent only (not radiator antifreeze). When refilling the washer fluid reservoir, take some washer fluid and apply it to a cloth or towel and wipe the wiper blades clean. This will help blade performance.

To prevent freeze-up of your windshield washer system in cold weather, select a solution or mixture that meets or exceeds the temperature range of your climate. This rating information can be found on most washer fluid containers.

WARNING!

Commercially available windshield washer solvents are flammable. They could ignite and burn you. Care must be exercised when filling or working around the washer solution.

After the engine has warmed up, operate the defroster for a few minutes to reduce the possibility of smearing or freezing the fluid on the cold windshield. Windshield washer solution used with water as directed on the container, aids cleaning action, reduces the freezing point to avoid line clogging, and is not harmful to paint or trim.

MAINTENANCE-FREE BATTERY

Your vehicle is equipped with a maintenance-free battery. You will never have to add water, and periodic maintenance is not required.

WARNING!

- Battery fluid is a corrosive acid solution and can burn or even blind you. Do not allow battery fluid to contact your eyes, skin, or clothing. Do not lean over a battery when attaching clamps. If acid splashes in eyes or on skin, flush the area immediately with large amounts of water.
- Battery gas is flammable and explosive. Keep flame or sparks away from the battery. Do not use a booster battery or any other booster source with an output greater than 12 Volts. Do not allow cable clamps to touch each other.
- Battery posts, terminals, and related accessories contain lead and lead compounds. Wash hands after handling.

CAUTION!

- It is essential when replacing the cables on the battery that the positive cable is attached to the positive post and the negative cable is attached to the negative post. Battery posts are marked positive (+) and negative (-) and are identified on the battery case. Cable clamps should be tight on the terminal posts and free of corrosion.
- If a "fast charger" is used while the battery is in the vehicle, disconnect both vehicle battery cables before connecting the charger to the battery. Do not use a "fast charger" to provide starting voltage.

PRESSURE WASHING

Cleaning the engine compartment with a high pressure washer is not recommended.

CAUTION!

Precautions have been taken to safeguard all parts and connections however, the pressures generated by these machines is such that complete protection against water ingress cannot be guaranteed.

VEHICLE MAINTENANCE

An authorized dealer has the qualified service personnel, special tools, and equipment to perform all service operations in an expert manner. Service Manuals are available which include detailed service information for your vehicle. Refer to these Service Manuals before attempting any procedure yourself.

NOTE:

Intentional tampering with emissions control systems may void your warranty and could result in civil penalties being assessed against you.

WARNING!

You can be badly injured working on or around a motor vehicle. Only do service work for which you have the knowledge and the proper equipment. If you have any doubt about your ability to perform a service job, take your vehicle to a competent mechanic.

ENGINE OIL**Engine Oil Selection**

Use only the manufacturer's recommended fluids
 ⇄ page 340.

NOTE:

Hemi engines (5.7L and 6.2L) at times can tick right after startup and then quiet down after approximately 30 seconds. This is normal and will not harm the engine. This characteristic can be caused by short drive cycles. For example, if the vehicle is started then shut off after driving a short distance. Upon restarting, you may experience a ticking sound. Other causes could be if the vehicle is unused for an extended period of time, incorrect oil, extended oil changes or extended idling. If the engine continues to tick or if the Malfunction Indicator Light (MIL) comes on, see the nearest authorized dealer.

**American Petroleum Institute (API)
Approved Engine Oil**

These symbols mean that the oil has been certified by the API. The manufacturer only recommends API trademark oils.



The API Starburst trademark certifies 0W-20, 0W-30 and 5W-30 engine oils.



The API Donut trademark certifies 0W-40 and 5W-40 engine oil.

CAUTION!

Do not use chemical flushes in your engine oil as the chemicals can damage your engine. Such damage is not covered by the New Vehicle Limited Warranty.

Synthetic Engine Oils

Your engine was designed for synthetic engine oils, only use synthetic API approved engine oils.

Synthetic engine oils which do not have both the correct API trademark and the correct SAE viscosity grade numbers should not be used.

Materials Added To Engine Oil

The manufacturer strongly recommends against the addition of any additives (other than leak detection dyes) to the engine oil. Engine oil is an engineered product and its performance may be impaired by supplemental additives.

Disposing Of Used Engine Oil And Oil Filters

Care should be taken in disposing of used engine oil and oil filters from your vehicle. Used oil and oil filters, indiscriminately discarded, can present a problem to the environment. Contact an authorized dealer, service station or governmental agency for advice on how and where used oil and oil filters can be safely discarded in your area.

ENGINE OIL FILTER

The engine oil filter should be replaced with a new filter at every engine oil change.

Engine Oil Filter Selection

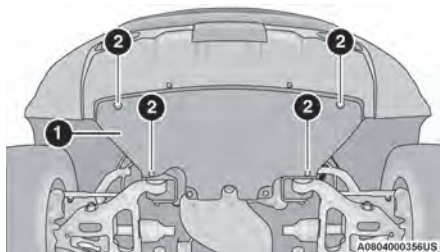
A full-flow type disposable oil filter should be used for replacement. The quality of replacement filters varies considerably. Only high quality Mopar® certified filters should be used. If Mopar® Engine Oil Filters are unavailable, only use filters that meet or exceed SAE/USCAR-36 Filter Performance Requirements.

Dune Guard Removal — TRX

Removal of the dune guard under the front of the vehicle is required to remove the oil filter and drain the oil cooler.

To remove the dune guard:

1. Loosen the front two bolts, but do not remove.



Front Underbody

- 1 — Dune Guard
- 2 — Front and Rear Bolts

2. Remove the rear four bolts completely.
3. Slide the dune guard towards the rear of the vehicle.

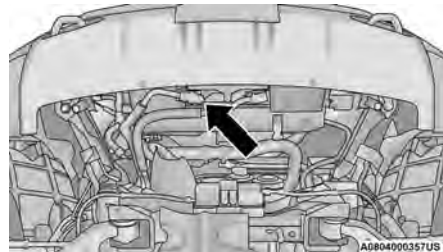
NOTE:

The dune guard is heavy. Make sure to remove with the help of a partner.

Once the dune guard is removed there is access to the oil cooler drain which is behind the fascia/bumper.

NOTE:

Engine oil is drained from two locations; the engine oil pan drain bolt and the engine oil cooler drain bolt.



Engine Oil Cooler Drain

To reinstall the dune guard:

1. Slide the dune guard back over the two loosened fasteners at the front.
2. Hand start the rear four fasteners.
3. Once all have been started, tighten the rear four first, then the front two.

ENGINE AIR CLEANER FILTER

Refer to the "Service and Warranty Handbook (Auto Biography)" for the proper maintenance intervals.

WARNING!

The air induction system (air cleaner, hoses, etc.) can provide a measure of protection in the case of engine backfire. Do not remove the air induction system (air cleaner, hoses, etc.) unless such removal is necessary for repair or maintenance. Make sure that no one is near the engine compartment before starting

(Continued)

WARNING!

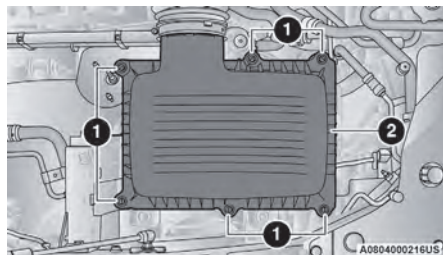
the vehicle with the air induction system (air cleaner, hoses, etc.) removed. Failure to do so can result in serious personal injury.

Engine Air Cleaner Filter Selection

The quality of replacement filters varies considerably. Only high quality Mopar® certified filters should be used.

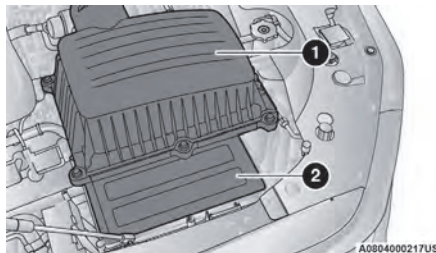
Engine Air Cleaner Filter Inspection And Replacement**Engine Air Cleaner Filter Removal**

1. With suitable tool fully loosen (six) fasteners on the engine air cleaner filter cover.

**Engine Air Cleaner Filter**

- 1 — Fasteners
2 — Engine Air Cleaner Filter Cover

2. Lift the engine air cleaner filter cover to access the engine air cleaner filter.
3. Remove the engine air cleaner filter from the housing assembly.

**Engine Air Cleaner Filter**

- 1 — Engine Air Cleaner Filter Cover
2 — Engine Air Cleaner Filter

Engine Air Cleaner Filter Installation**NOTE:**

Inspect and clean the housing if dirt or debris is present before replacing the engine air cleaner filter.

1. Install the engine air cleaner filter into the housing with the filter pleated material facing down, and the seal on the top.
2. Install the engine air cleaner filter cover onto the housing assembly.
3. Tighten the fasteners (six) on the engine air cleaner filter assembly.

Beauty Cover Removal/Installation — TRX Model

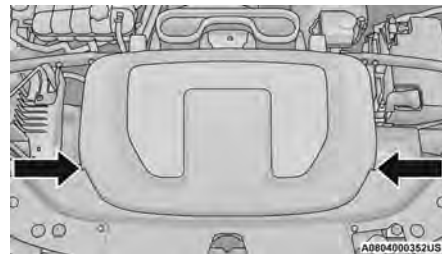
The engine beauty cover will need to be removed in order to service the engine air cleaner filter or to gain better access to the engine compartment.

CAUTION!

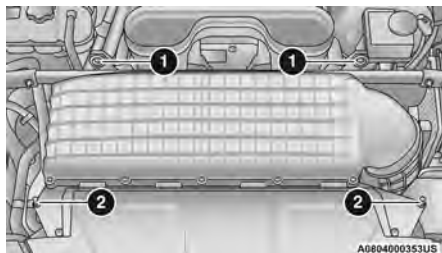
If it is necessary to wash the engine compartment, take care not to directly hit the fuse box, and the windshield wiper motors with water.

Beauty Cover Removal

1. Lift up on the front two corners of the beauty cover to unseat rubber ball socket fasteners.

**Beauty Cover**

2. Slide the cover forward to release rear guides from rubber grommets to remove from the vehicle.

**Beauty Cover Attachment Points**

- 1 — Rear Grommets
2 — Front Ball Socket Fasteners

Beauty Cover Installation

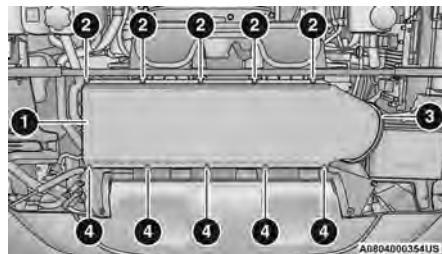
1. Install the rear guide posts into the rubber grommets.
2. Push down on the front to seat the two rubber ball sockets in the front of the cover.

Engine Air Cleaner Filter Inspection And Replacement — TRX Model**NOTE:**

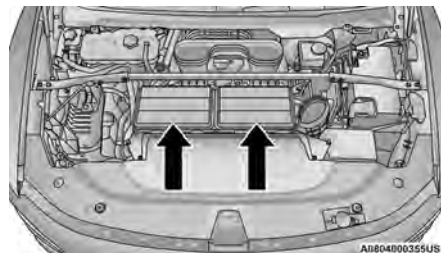
- The beauty cover will need to be removed to access the engine air cleaner filter.
- Clean the top of the air cleaner - previously covered by beauty cover. Removing loose debris is important before lifting the engine air cleaner filter cover to prevent contamination of the clean side of the air intake system.

Engine Air Cleaner Filter Removal

1. With a suitable tool, fully loosen (ten) fasteners on the engine air cleaner filter lid and the air hose clamp.

**Air Cleaner Filter**

2. Lift the engine air cleaner filter cover to access the filter.
3. Remove the engine air cleaner filter elements from the housing assembly.

**Air Cleaner Filter Elements****Engine Air Cleaner Filter Installation****NOTE:**

Inspect and clean the housing if dirt or debris is present before replacing the engine air cleaner filter element.

1. Install the engine air cleaner filter elements into the housing assembly, follow "THIS SIDE UP" note on filter.
2. Install the engine air cleaner filter cover onto the housing assembly.
3. Tighten the fasteners (ten) on the engine air cleaner filter assembly and the air hose clamp.

CAUTION!

Do not use impact tools on fasteners, damage will result.

4. Reinstall the beauty cover.

AIR CONDITIONER MAINTENANCE

For best possible performance, your air conditioner should be checked and serviced by an authorized dealer at the start of each warm season. This service should include cleaning of the condenser fins and a performance test. Drive belt tension should also be checked at this time.

WARNING!

- Use only refrigerants and compressor lubricants approved by the manufacturer for your air conditioning system. Some unapproved refrigerants are flammable and can explode, injuring you. Other unapproved refrigerants or lubricants can cause the system to fail, requiring costly repairs. Refer to Warranty Information Book, for further warranty information.
- The air conditioning system contains refrigerant under high pressure. To avoid risk of personal injury or damage to the system, adding refrigerant or any repair requiring lines to be disconnected should be done by an experienced technician.

CAUTION!

Do not use chemical flushes in your air conditioning system as the chemicals can damage your air conditioning components. Such damage is not covered by the New Vehicle Limited Warranty.

Refrigerant Recovery And Recycling — R-1234yf

R-1234yf Air Conditioning Refrigerant is a Hydrofluorolefin (HFO) that is endorsed by the Environmental Protection Agency and is an ozone-friendly substance with a low global-warming potential. It is recommended that air conditioning service be performed by an authorized dealer using recovery and recycling equipment.

NOTE:

Use only the manufacturer approved A/C system PAG compressor oil, and refrigerants.

Cabin Air Filter Replacement

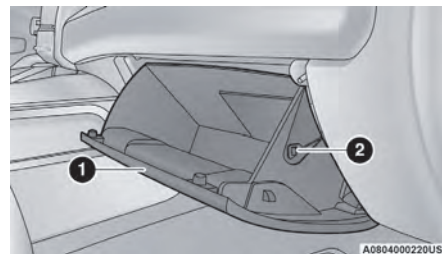
Refer to the "Service and Warranty Handbook (Auto Biography)" for the proper maintenance intervals.

WARNING!

Do not remove the cabin air filter while the vehicle is running, or while the ignition is in the ACC or ON/RUN mode. With the cabin air filter removed and the blower operating, the blower can contact hands and may propel dirt and debris into your eyes, resulting in personal injury.

The cabin air filter is located in the fresh air inlet behind the glove compartment. Perform the following procedure to replace the filter:

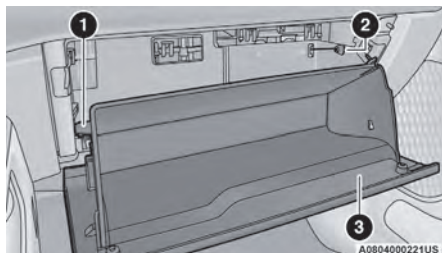
1. Open the glove compartment and remove all contents.
2. With the glove compartment door open, remove the glove compartment tension tether and tether clip by sliding the clip toward the face of the glove compartment door. Lift the clip out of glove compartment door and release into dash panel.



Right Side Of Glove Compartment

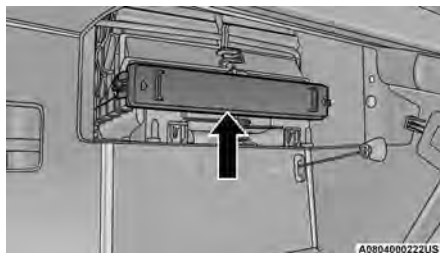
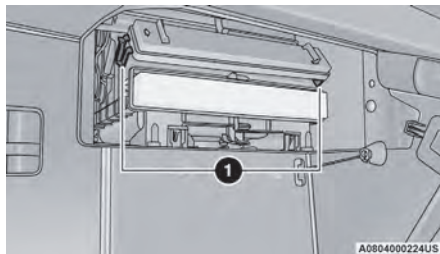
- 1 — Glove Compartment Door
- 2 — Glove Compartment Tension Tether

3. There are glove compartment travel stops on both sides of the glove compartment door. Push inward on both sides of the glove compartment to release the glove compartment travel stops.

**Glove Compartment**

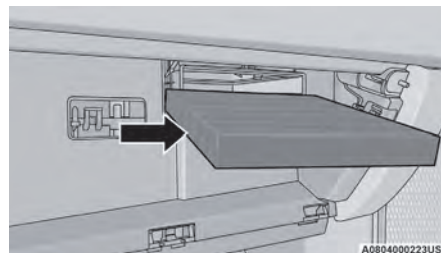
- 1 — Glove Compartment Travel Stop
- 2 — Glove Compartment Tension Tether
- 3 — Glove Compartment Door

- 4. Disengage the glove compartment door from its hinges by opening the glove compartment past the travel stop and pulling it toward you.
- 5. Remove the filter cover by pushing in on the finger tabs on each end of the filter cover.

**Filter Cover****Filter Cover Removal**

- 1 — Finger Tabs

- 6. Remove the cabin air filter by pulling it straight out of the housing.

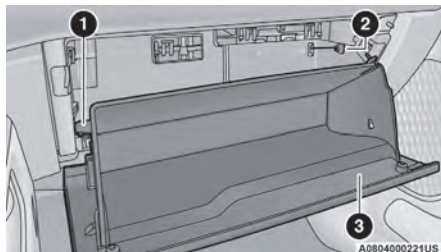
**Cabin Air Filter**

- 7. Install the cabin air filter with the arrow on the filter pointing toward the floor. When installing the filter cover, press on each end until you hear an audible click.

CAUTION!

The cabin air filter is identified with an arrow to indicate airflow direction through the filter. Failure to properly install the filter will result in the need to replace it more often.

- 8. Reinstall the glove compartment on the hinges.
- 9. Pull the tension tether outward and reinstall the glove compartment past the travel stops by pushing in on the glove compartment sides.



Glove Compartment

- 1 — Glove Compartment Travel Stop
- 2 — Glove Compartment Tension Tether
- 3 — Glove Compartment Door

NOTE:

Ensure the glove compartment door hinges and glove compartment travel stops are fully engaged.

10. Reattach the glove compartment tension tether by inserting the tether clip in the glove compartment and sliding the clip away from the face of the glove compartment door.

ACCESSORY DRIVE BELT INSPECTION

WARNING!

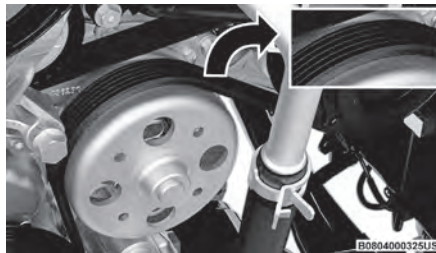
- Do not attempt to inspect an accessory drive belt with vehicle running.

(Continued)

WARNING!

- When working near the radiator cooling fan, disconnect the fan motor lead. The fan is temperature controlled and can start at any time regardless of ignition mode. You could be injured by the moving fan blades.
- You can be badly injured working on or around a motor vehicle. Only do service work for which you have the knowledge and the proper equipment. If you have any doubt about your ability to perform a service job, take your vehicle to a competent mechanic.

When inspecting accessory drive belts, small cracks that run across the ribbed surface of the belt from rib to rib, are considered normal. This is not a reason to replace the belt. However, cracks running along a rib (not across) are not normal. Any belt with cracks running along a rib must be replaced. Also have the belt replaced if it has excessive wear, frayed cords or severe glazing.



Accessory Belt (Serpentine Belt)

Conditions that would require replacement:

- Rib chunking (one or more ribs has separated from belt body)
- Rib or belt wear
- Longitudinal belt cracking (cracks between two ribs)
- Belt slips
- Groove jumping (belt does not maintain correct position on pulley)
- Belt broken
- Noise (objectionable squeal, squeak, or rumble is heard or felt while drive belt is in operation)

NOTE:

Identify and correct problem before new belt is installed.

NOTE:

If your vehicle is equipped with a Stop/Start, belt must be replaced with an OEM grade Mopar® belt.

Some conditions can be caused by a faulty component such as a belt pulley. Belt pulleys should be carefully inspected for damage and proper alignment.

Belt replacement on some models requires the use of special tools, we recommend having your vehicle serviced at an authorized dealer.

BODY LUBRICATION

Locks and all body pivot points, including such items as seat tracks, door hinge pivot points and rollers, liftgate, tailgate, decklid, sliding doors and hood hinges, should be lubricated periodically. Use a lithium-based grease, such as Mopar® Spray White Lube to assure quiet, easy operation and to protect against rust and wear.

Prior to the application of any lubricant, the parts concerned should be wiped clean to remove dust and grit; after lubricating excess oil and grease should be removed. Particular attention should also be given to hood latching components to ensure proper function. When performing other underhood services, the hood latch release mechanism, and safety catch should be cleaned and lubricated.

The external lock cylinders should be lubricated twice a year, preferably in the Autumn and Spring. Apply a small amount of a high quality lubricant, such as Mopar® Lock Cylinder Lubricant directly into the lock cylinder.

WINDSHIELD WIPER BLADES

Clean the rubber edges of the wiper blades and the windshield periodically with a sponge or soft cloth and a mild nonabrasive cleaner. This will remove accumulations of salt or road film.

Operation of the wipers on dry glass for long periods may cause deterioration of the wiper blades. Always use washer fluid when using the wipers to remove salt or dirt from a dry windshield.

Avoid using the wiper blades to remove frost or ice from the windshield. Keep the blade rubber out of contact with petroleum products such as engine oil, gasoline, etc.

NOTE:

Life expectancy of wiper blades varies depending on geographical area and frequency of use. If chattering, marks, water lines or wet spots are present, clean the wiper blades or replace as necessary.

The wiper blades and wiper arms should be inspected periodically, not just when wiper performance problems are experienced. This inspection should include the following points:

- Wear or uneven edges

- Foreign material
- Hardening or cracking
- Deformation or fatigue

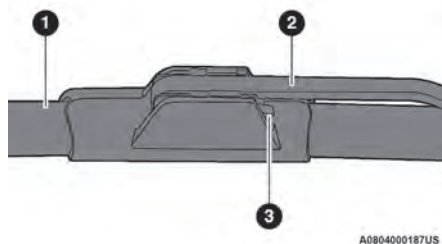
If a wiper blade or wiper arm is damaged, replace the affected wiper arm or blade with a new unit. Do not attempt to repair a wiper arm or blade that is damaged.

Wiper Blade Removal/Installation

CAUTION!

Do not allow the wiper arm to spring back against the glass without the wiper blade in place or the glass may be damaged.

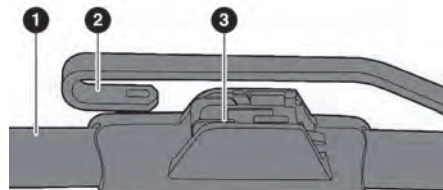
1. Lift the wiper arm to raise the wiper blade off of the glass, until the wiper arm is in the full up position.



Wiper Blade With Release Tab In Locked Position

- 1 — Wiper Blade
- 2 — Wiper Arm
- 3 — Release Tab

2. To disengage the wiper blade from the wiper arm, press the release tab on the wiper blade and while holding the wiper arm with one hand, slide the wiper blade down towards the base of the wiper arm.



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Wiper Blade With Release Tab In Unlocked Position

- 1 — Wiper Blade
- 2 — Wiper Arm J Hook
- 3 — J Hook Retainer

3. With the wiper blade disengaged, remove the wiper blade from the wiper arm.

4. Gently lower the wiper arm onto the glass.

Installing The Front Wipers

1. Lift the wiper arm off of the glass, until the wiper arm is in the full up position.
2. Position the wiper blade near the hook on the tip of the wiper arm.
3. Slide the wiper blade up into the hook on the wiper arm, latch engagement will be accompanied by an audible click.
4. Gently lower the wiper blade onto the glass.

EXHAUST SYSTEM

The best protection against carbon monoxide entry into the vehicle body is a properly maintained engine exhaust system.

If you notice a change in the sound of the exhaust system; or if exhaust fumes can be detected inside the vehicle; or when the underside or rear of the vehicle is damaged; have an authorized technician inspect the complete exhaust system and adjacent body areas for broken, damaged, deteriorated, or mispositioned parts. Open seams or loose connections could permit exhaust fumes to seep into the passenger compartment. In addition, have the exhaust system inspected each time the vehicle is raised for lubrication or oil changes. Replace as required.

WARNING!

- Exhaust gases can injure or kill. They contain carbon monoxide (CO), which is colorless and odorless. Breathing it can make you unconscious and can eventually poison you. To avoid breathing CO see ⇨ page 274.
- A hot exhaust system can start a fire if you park over materials that can burn. Such materials might be grass or leaves coming into contact with your exhaust system. Do not park or operate your vehicle in areas where your exhaust system can contact anything that can burn.

CAUTION!

- The catalytic converter requires the use of unleaded fuel only. Leaded gasoline will destroy the effectiveness of the catalyst as an emissions control device and may seriously reduce engine performance and cause serious damage to the engine.
- Damage to the catalytic converter can result if your vehicle is not kept in proper operating condition. In the event of engine malfunction, particularly involving engine misfire or other apparent loss of performance, have your vehicle serviced promptly. Continued operation of your vehicle with a severe malfunction could cause the converter to overheat, resulting in possible damage to the converter and vehicle.

Under normal operating conditions, the catalytic converter will not require maintenance. However, it is important to keep the engine properly tuned to assure proper catalyst operation and prevent possible catalyst damage.

NOTE:

Intentional tampering with emissions control systems can result in civil penalties being assessed against you. In unusual situations involving grossly malfunctioning engine operation, a scorching odor may suggest severe and abnormal catalyst overheating. If this occurs, stop the vehicle, turn off the engine and allow it to cool. Service, including a tune-up to manufacturer's specifications, should be obtained immediately.

To minimize the possibility of catalytic converter damage:

- Do not interrupt the ignition when the transmission is in gear and the vehicle is in motion.
- Do not try to start the vehicle by pushing or towing the vehicle.
- Do not idle the engine with any ignition components disconnected or removed, such as during diagnostic testing, or for prolonged periods during very rough idle or malfunctioning operating conditions.

COOLING SYSTEM

WARNING!

- You or others can be badly burned by hot engine coolant (antifreeze) or steam from your radiator. If you see or hear steam coming from under the hood, do not open the hood until the radiator has had time to cool. Never open a cooling system pressure cap when the radiator or coolant bottle is hot.
- Keep hands, tools, clothing, and jewelry away from the radiator cooling fan when the hood is raised. The fan starts automatically and may start at any time, whether the engine is running or not.
- When working near the radiator cooling fan, disconnect the fan motor lead or turn the ignition to the OFF mode. The fan is temperature controlled and can start at any time the ignition is in the ON mode.

Engine Coolant Checks

Check the engine coolant (antifreeze) protection every 12 months (before the onset of freezing weather, where applicable). If the engine coolant is dirty or rusty in appearance, the system should be drained, flushed and refilled with fresh coolant. Check the front of the A/C condenser (if equipped) or radiator for any accumulation of bugs, leaves, etc. If dirty, clean by gently spraying water from a garden hose vertically down the face of the A/C condenser (if equipped) or the back of the radiator core.

Check the engine cooling system hoses for brittle rubber, cracking, tears, cuts and tightness of the connection at the coolant recovery bottle and radiator. Inspect the entire system for leaks.

DO NOT REMOVE THE COOLANT PRESSURE CAP WHEN THE COOLING SYSTEM IS HOT.

Cooling System — Drain, Flush And Refill

NOTE:

Some vehicles require special tools to add coolant properly. Failure to fill these systems properly could lead to severe internal engine damage. If any coolant is needed to be added to the system please contact an authorized dealer.

If the engine coolant (antifreeze) is dirty or contains visible sediment, have an authorized dealer clean and flush with OAT coolant (conforming to MS.90032).

Refer to the "Service And Warranty Handbook (Auto Biography)" for the proper maintenance intervals.

Selection Of Coolant

For further information ➞ page 340.

NOTE:

- Mixing of engine coolant (antifreeze) other than specified Organic Additive Technology (OAT) engine coolant, may result in engine damage and may decrease corrosion protection. OAT engine coolant is different and should not be mixed with Hybrid Organic Additive Technology (HOAT) engine coolant or any "globally compatible" coolant. If a non-OAT engine coolant is introduced into the cooling system in an emergency, the cooling system will need to be drained, flushed, and refilled with fresh OAT coolant (conforming to MS.90032), by an authorized dealer as soon as possible.
- Do not use water alone or alcohol-based engine coolant products. Do not use additional rust inhibitors or anti-rust products, as they may not be compatible with the radiator engine coolant and may plug the radiator.
- This vehicle has not been designed for use with propylene glycol-based engine coolant. Use of propylene glycol-based engine coolant is not recommended.
- Some vehicles require special tools to add coolant properly. Failure to fill these systems properly could lead to severe internal engine damage. If any coolant is needed to be added to the system please contact an authorized dealer.

Adding Coolant

Your vehicle has been built with an improved engine coolant (OAT coolant conforming to MS.90032) that allows extended maintenance intervals. This engine coolant (antifreeze) can be used up to 10 years or 150,000 miles (240,000 km) before replacement. To

prevent reducing this extended maintenance period, it is important to use the same engine coolant (OAT coolant conforming to MS.90032) throughout the life of your vehicle.

Please review these recommendations for using Organic Additive Technology (OAT) engine coolant that meets the requirements of the manufacturer Material Standard MS.90032. When adding engine coolant:

- We recommend using Mopar® Antifreeze/Coolant 10 Year/150,000 Mile (240,000 km) Formula OAT that meets the requirements of the manufacturer Material Standard MS.90032.
- Mix a minimum solution of 50% OAT engine coolant that meets the requirements of the manufacturer Material Standard MS.90032 and distilled water. Use higher concentrations (not to exceed 70%) if temperatures below -34°F (-37°C) are anticipated. Please contact an authorized dealer for assistance.
- Use only high purity water such as distilled or deionized water when mixing the water/engine coolant solution. The use of lower quality water will reduce the amount of corrosion protection in the engine cooling system.

NOTE:

- It is the owner's responsibility to maintain the proper level of protection against freezing according to the temperatures occurring in the area where the vehicle is operated.
- Some vehicles require special tools to add coolant properly. Failure to fill these systems properly could lead to severe internal engine damage. If any coolant is needed to be added to the system, please contact an authorized dealer.

- Mixing engine coolant types is not recommended and can result in cooling system damage. If HOAT and OAT coolant are mixed in an emergency, have an authorized dealer drain, flush, and refill with OAT coolant (conforming to MS.90032) as soon as possible.

Cooling System Pressure Cap

The cap must be fully tightened to prevent loss of engine coolant (antifreeze), and to ensure that engine coolant will return to the radiator from the coolant expansion bottle/recovery tank (if equipped).

The cap should be inspected and cleaned if there is any accumulation of foreign material on the sealing surfaces.

WARNING!

- Do not open a hot engine cooling system. Never add engine coolant (antifreeze) when the engine is overheated. Do not loosen or remove the cap to cool an overheated engine. Heat causes pressure to build up in the cooling system. To prevent scalding or injury, do not remove the pressure cap while the system is hot or under pressure.
- Do not use a pressure cap other than the one specified for your vehicle. Personal injury or engine damage may result.

Disposal Of Used Coolant

Used ethylene glycol-based coolant (antifreeze) is a regulated substance requiring proper disposal. Check with your local authorities to determine the disposal rules for your community. To prevent ingestion by animals or children, do not store ethylene glycol-based coolant in open containers or allow it to remain in puddles on the ground, clean up any ground spills immediately. If ingested, seek emergency assistance immediately.

Checking Coolant Level — 3.6L or 6.2L Engines

The level of the coolant in the pressurized coolant bottle should be between the “MIN” and “MAX” range on the bottle when the engine is cold.

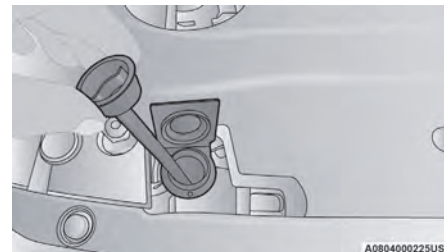
The radiator normally remains completely full, so there is no need to remove the cap unless checking for coolant freeze point or replacing engine coolant (antifreeze). Advise your service attendant of this. As long as the engine operating temperature is satisfactory, the coolant bottle need only be checked once a month. When additional engine coolant is needed to maintain the proper level, it should be added to the coolant bottle. Do not overfill.

Checking Coolant Level — 5.7L Engines

With the engine off and cold, the level of the engine coolant should be between the ADD and SAFE range on the dipstick.

To check the coolant level:

1. Open the coolant reservoir.
2. Lift and remove the plastic dipstick from the reservoir neck.



Coolant Reservoir Dipstick

3. Check the coolant level on the dipstick.

The radiator normally remains completely full, so there is no need to remove the radiator cap unless checking for engine coolant (antifreeze) freeze point or replacing engine coolant. Advise your service attendant of this. As long as the engine operating temperature is satisfactory, the coolant bottle need only be checked once a month.

When additional engine coolant is needed to maintain the proper level, it should be added to the coolant bottle. Do not overfill.

Cooling System Notes

NOTE:

When the vehicle is stopped after a few miles/kilometers of operation, you may observe vapor coming from the front of the engine compartment. This is normally a result of moisture from rain, snow, or high humidity accumulating on the radiator and being vaporized when the thermostat opens, allowing hot engine coolant (antifreeze) to enter the radiator.

If an examination of your engine compartment shows no evidence of radiator or hose leaks, the vehicle may be safely driven. The vapor will soon dissipate.

- Do not overfill the coolant expansion bottle.
- Check the coolant freeze point in the radiator and in the coolant expansion bottle. If engine coolant needs to be added, the contents of the coolant expansion bottle must also be protected against freezing.
- If frequent engine coolant additions are required, the cooling system should be pressure tested for leaks.
- Maintain engine coolant concentration at a minimum of 50% OAT coolant (conforming to MS.90032) and distilled water for proper corrosion protection of your engine which contains aluminum components.
- Make sure that the coolant expansion bottle overflow hoses are not kinked or obstructed.
- Keep the front of the radiator clean. If your vehicle is equipped with air conditioning, keep the front of the condenser clean.
- Do not change the thermostat for Summer or Winter operation. If replacement is ever necessary, install **ONLY** the correct type thermostat. Other designs may result in unsatisfactory engine cooling performance, poor gas mileage, and increased emissions.

BRAKE SYSTEM

In order to ensure brake system performance, all brake system components should be inspected periodically. Refer to the "Service and Warranty Handbook (Auto Biography)" for the proper maintenance intervals.

WARNING!

Riding the brakes can lead to brake failure and possibly a collision. Driving with your foot resting or riding on the brake pedal can result in abnormally high brake temperatures, excessive lining wear, and possible brake damage. You would not have your full braking capacity in an emergency.

Fluid Level Check — Brake Master Cylinder

The fluid level of the brake master cylinder should be checked whenever the vehicle is serviced, or immediately if the Brake System Warning Light is on. If necessary, add fluid to bring level within the designated marks on the side of the reservoir of the brake master cylinder. Be sure to clean the top of the master cylinder area before removing cap. With disc brakes, fluid level can be expected to fall as the brake pads wear. Brake fluid level should be checked when pads are replaced. If the brake fluid is abnormally low, check the system for leaks ➞ page 342.

WARNING!

- Use only manufacturer's recommended brake fluid ➞ page 342. Using the wrong type of brake fluid can severely damage your brake system and/or impair its performance. The proper type of brake fluid for your vehicle is also identified on the original factory installed hydraulic master cylinder reservoir.

(Continued)

WARNING!

- To avoid contamination from foreign matter or moisture, use only new brake fluid or fluid that has been in a tightly closed container. Keep the master cylinder reservoir cap secured at all times. Brake fluid in an open container absorbs moisture from the air resulting in a lower boiling point. This may cause it to boil unexpectedly during hard or prolonged braking, resulting in sudden brake failure. This could result in a collision.
- Overfilling the brake fluid reservoir can result in spilling brake fluid on hot engine parts, causing the brake fluid to catch fire. Brake fluid can also damage painted and vinyl surfaces, care should be taken to avoid its contact with these surfaces.
- Do not allow petroleum based fluid to contaminate the brake fluid. Brake seal components could be damaged, causing partial or complete brake failure. This could result in a collision.

AUTOMATIC TRANSMISSION

Special Additives

The manufacturer strongly recommends against using any special additives in the transmission. Automatic Transmission Fluid (ATF) is an engineered product and its performance may be impaired by supplemental additives. Therefore, do not add any fluid additives to the transmission. Avoid using transmission sealers as they may adversely affect seals.

CAUTION!

Do not use chemical flushes in your transmission as the chemicals can damage your transmission components. Such damage is not covered by the New Vehicle Limited Warranty.

Fluid Level Check

The fluid level is preset at the factory and does not require adjustment under normal operating conditions. Routine fluid level checks are not required, therefore the transmission has no dipstick. An authorized dealer can check your transmission fluid level using special service tools.

If you notice fluid leakage or transmission malfunction, visit an authorized dealer immediately to have the transmission fluid level checked. Operating the vehicle with an improper fluid level can cause severe transmission damage.

CAUTION!

If a transmission fluid leak occurs, visit an authorized dealer immediately. Severe transmission damage may occur. An authorized dealer has the proper tools to adjust the fluid level accurately.

Fluid And Filter Changes

Under normal operating conditions, the fluid installed at the factory will provide satisfactory lubrication for the life of the vehicle.

Routine fluid and filter changes are not required. However, change the fluid and filter if the fluid becomes contaminated (with water, etc.), or if the transmission is disassembled for any reason.

Selection Of Lubricant

It is important to use the proper transmission fluid to ensure optimum transmission performance and life. Use only the manufacturer recommended transmission fluid → page 342. It is important to maintain the transmission fluid at the correct level using the recommended fluid. No chemical flushes should be used in any transmission; only the approved lubricant should be used.

CAUTION!

Using a transmission fluid other than the manufacturer's recommended fluid may cause deterioration in transmission shift quality and/or torque converter shudder → page 309.

REAR AXLE AND 4X4 FRONT DRIVING AXLE FLUID LEVEL

For normal service, periodic fluid level checks are not required. When the vehicle is serviced for other reasons the exterior surfaces of the axle assembly should be inspected. If gear oil leakage is suspected inspect the fluid level → page 342. This inspection should be made with the vehicle in a level position.

The fluid level should be even with the bottom of the fill hole (within 1/4 in (6.4 mm) of edge of hole) for the front axle and rear axle.

Drain And Refill

Refer to the "Service and Warranty Handbook (Auto Biography)" for the proper maintenance intervals.

Lubricant Selection

For further information → page 342.

NOTE:

The presence of water in the gear lubricant will result in corrosion and possible failure of differential components. Operation of the vehicle in water, as may be encountered in some off-highway types of service, will require draining and refilling the axle to avoid damage.

Limited-Slip Differentials

Rear axles equipped with a Limited Slip Differential require that 5 oz. (148 ml) Mopar® Limited Slip Additive be added to the gear lubricant → page 342. The Mopar® Limited Slip Additive should be added to the gear lubricant whenever a fluid change is made to an axle equipped with a Limited Slip Differential.

NOTE:

When refilling a limited slip differential axle which requires a friction modification additive, the additive should be added before the gear lubricant to ensure proper additive fill.

TRANSFER CASE**Fluid Level Check**

This fluid level can be checked by removing the filler plug. The fluid level should be to the bottom edge of the filler plug hole (or within 1/8 inch of the bottom) with the vehicle in a level position.

Drain And Refill

Refer to the "Service and Warranty Handbook (Auto Biography)" for the proper maintenance intervals.

Selection Of Lubricant

Use only the manufacturer recommended fluid
 ➞ page 342.

FUSES

General Information

WARNING!

- When replacing a blown fuse, always use an appropriate replacement fuse with the same amp rating as the original fuse. Never replace a fuse with another fuse of higher amp rating. The use of a fuse with a rating other than indicated may result in a dangerous electrical system overload. If a properly rated fuse continues to blow, it indicates a problem in the circuit that must be corrected. Never replace a blown fuse with metal wires or any other material. Do not place a fuse inside a circuit breaker cavity or vice versa. Failure to use proper fuses may result in serious personal injury, fire and/or property damage.
- Before replacing a fuse, make sure that the ignition is off and that all the other services are switched off and/or disengaged.

(Continued)

WARNING!

- If the replaced fuse blows again, contact an authorized dealer.
- If a general protection fuse for safety systems (air bag system, braking system), power unit systems (engine system, transmission system) or steering system blows, contact an authorized dealer.

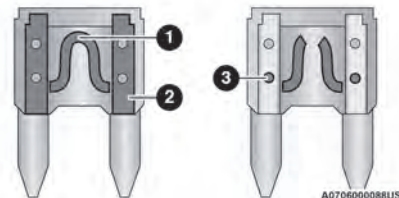
CAUTION!

If it is necessary to wash the engine compartment, take care not to directly hit the fuse box, and the windshield wiper motors with water.

The fuses protect electrical systems against excessive current.

When a device does not work, you must check the fuse element inside the blade fuse for a break/melt.

Also, please be aware that using power outlets for extended periods of time with the engine off may result in vehicle battery discharge.



Blade Fuses

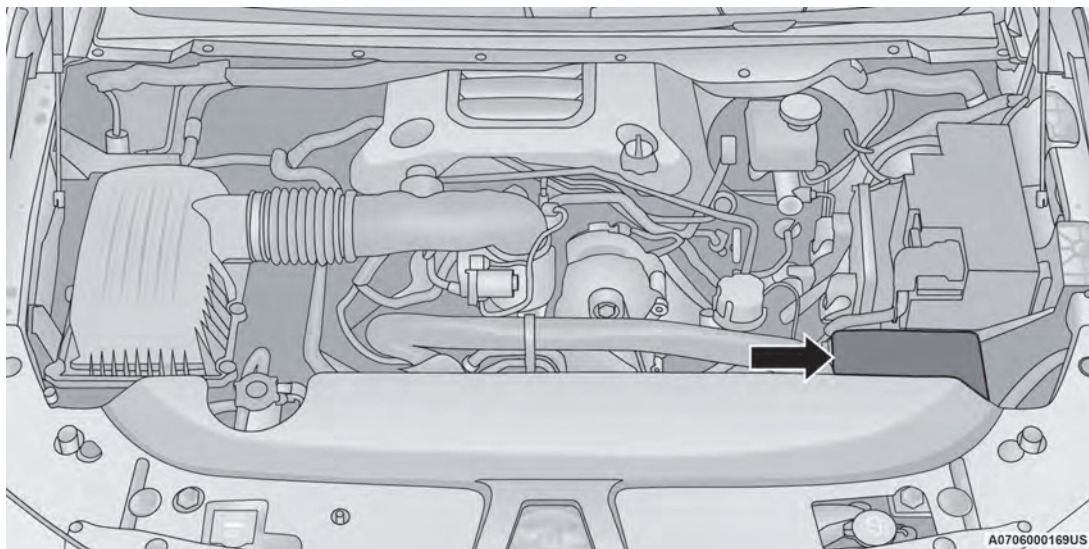
- 1 — Fuse Element
 2 — Blade Fuse with a good/functional fuse element
 3 — Blade Fuse with a bad/not functional fuse element (blown fuse)

Underhood Power Distribution Center

The Power Distribution Center is located in the engine compartment near the battery. This center contains cartridge fuses, micro fuses, relays, and circuit breakers. A description of each fuse and component may be stamped on the inside cover, otherwise the cavity number of each fuse is stamped on the inside cover that corresponds to the following chart.

CAUTION!

When installing the power distribution center cover, it is important to ensure the cover is properly positioned and fully latched. Failure to do so may allow water to get into the power distribution center and possibly result in an electrical system failure.



Underhood Power Distribution Center

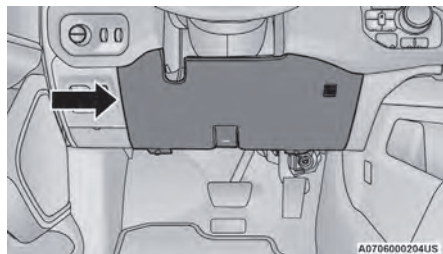
Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F01	–	25 Amp Clear	Fuel Pump Motor / Assy Fuel Tank
F02	–	–	Spare *
F03	–	5 Amp Tan	MGU *
F04	–	–	Spare *
F05	–	–	Spare *
F06	–	10 Amp Red	OUTPUT TO UPFITTER PDC *
F07	–	–	Spare *
F08	20 Amp Blue	–	Trailer Tow Backup
F09	–	20 Amp Yellow	Trailer Stop / Turn Lamp Left
F10	–	20 Amp Yellow	Trailer Stop / Turn Lamp Right
F11	–	15 Amp Blue	ID/CLEARANCE LIGHTS *
F12	20 Amp Blue	–	Trailer Tow Park Lamp
F13	–	–	Spare *
F14	–	10 Amp Red	AC Clutch
F15	–	5 Amp Tan	Intelligent Battery Sensor (IBS)
F16	–	–	Spare *
F17	–	20 Amp Yellow	Air Suspension
F18	–	15 Amp Blue	AGS / Rear Axle Cooling Valve / Active Air Dam
F19	–	–	Spare *
F20	–	20 Amp Yellow	Adjustable Pedals *
F21	30 Amp Pink	–	Power Side Step *
F22	50 Amp Red	–	Air Module *
F23	–	–	Spare *
F24	–	20 Amp Yellow	TCM SBW
F25	40 Amp Green	–	MOD CBC 4 Exterior Lights 2

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F26	50 Amp Red	–	ESP Module
F27	30 Amp Pink	–	Front Wiper
F28	–	10 Amp Red	PCM / ECM
F29	40 Amp Green	–	ESP Module
F30	–	–	Spare *
F31	–	–	Spare *
F32	20 Amp Blue	–	ECM / PCM
F33	30 Amp Pink	–	Brake Vacuum Pump
F34	–	–	Spare *
F35	–	10 Amp Red	PCM / ECM / Power Pack Unit (PPU) Motor Generator Unit (MGU) Wake Up * / EPS / ATMM / ESP
F36	–	–	Spare *
F37	–	5 Amp Tan	R / S Output to iPDC
F38	–	10 Amp Red	DTCM / Active CL TEMP VLV
F39	–	15 Amp Blue	MOD ATMM *
F40	40 Amp Green	–	Starter
F41	–	10 Amp Red	IRCAM Heaters
F42	20 Amp Blue	–	AUX SWITCH #5 *
F43	–	20 Amp Yellow	MGU Coolant Pump / ADCM *
F44	–	10 Amp Red	Trailer Camera *
F45	–	10 Amp Red	ADCM *
F46	30 Amp Pink	–	Fuel Heater *
F47	30 Amp Pink	–	Rear Defroster
F48	–	–	Spare *
F49	30 Amp Pink	–	Htr Ctrl *
F50	20 Amp Blue	–	AUX SWITCH #6 *

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F51	25 Amp White	–	FUEL PUMP MOTOR #1 *
F52	–	–	Spare *
F53	–	10 Amp Red	Supply / Purging Pump *
F54	–	15 Amp Blue	PCM *
		10 Amp Red	Vapor Blocking Valve *
F55	–	15 Amp Blue	RT HID Headlamp
F56	–	–	Spare *
F57	–	20 Amp Yellow	Horn
F58	25 Amp White	–	FUEL PUMP MOTOR #2 *
F59	–	25 Amp Clear	Injectors / IGN Coil / Glow Plug Module *
F60	–	20 Amp Yellow	ECM / PCM / ACT Short Running Valve / LTR Coolant Pump *
F61	–	15 Amp Blue	LT HID Headlamp
F62	60 Amp Blue	–	Glow Plug *
	40 Amp Green		LTR Coolant Pump *
F63	20 Amp Blue	–	NOx Sensor *
F64	–	10 Amp Red	PM Sensor *

Internal Power Distribution Center

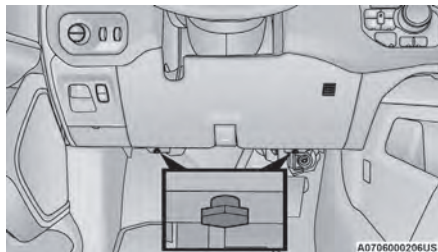
The Power Distribution Center is located under the driver's side instrument panel. This center contains cartridge fuses, micro fuses, relays, and circuit breakers.



Fuse Cover Panel

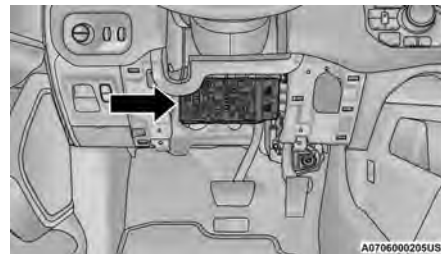
See the following steps for accessing the interior fuses:

1. Locate and remove the two screws from the lower portion of the fuse panel cover.



Fuse Panel Screw Locations

2. After removing the screws, gently pull both the left and right side of the fuse panel cover to release the fastener clips.



Interior Fuse Box Location

3. Reverse the procedure to reinstall the fuse panel cover.

Internal Fuse Chart

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F01	30 Amp Pink	-	Trailer Tow Receptacle
F02	-	-	Spare
F03	-	20 Amp Yellow	Module Seat Heater Front (Pass)
F04	-	-	Spare
F05	-	20 Amp Yellow	Module PPU Cooling Fan *
F06	-	-	Spare
F07	40 Amp Green	-	Mod CBC 3 PWR Locks
F08	-	-	Spare
F09	-	-	Spare

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F10	40 Amp Green	–	HVAC Blower Motor
F11	–	5 Amp Tan	Output to Under-hood Power Distribution Center (UPDC) Run Coil
F12	–	25 Amp Clear	Mod Audio Amplifier / Active Noise Cancellation
F13	–	20 Amp Yellow	Mod Seat Heater Front (Driver)
F14	–	15 Amp Blue	Mod Seat Heater Front (Steering Wheel)
F15 A&B	–	–	Spare
F16	–	–	Spare
F17	–	20 Amp Yellow	LT Spot Lamp *
F18	30 Amp Pink	–	Motor Sunshade Sunroof
F19	–	–	Spare
F20	–	20 Amp Yellow	Comfort Rear Seat Module (CRSM) (Heat Rear RT)
F21	–	–	Spare
F22	–	–	Spare
F23	–	–	Spare
F24	–	15 Amp Blue	Mod RF Hub / Mod Ignition / Mod Cluster CNN
F25	40 Amp Green	–	Mod Integrated Trailer Brake
F26	–	15 Amp Blue	Mod Cluster CCN / Mod Cyber Security / Trailer Gateway Module (360 Camera)
F27	–	5 Amp Tan	Mod Cluster CCN / Mod SGW
F28	–	10 Amp Red	Mod ORC
F29	–	20 Amp Yellow	Mod CRSM (Heat Rear LT)
F30	30 Amp Pink	–	Mod DTCM / Mod Tailgate
F31	30 Amp Pink	–	Mod CBC 1 Interior Light
F32	–	20 Amp Yellow	RT Spot Lamp *
F33	–	10 Amp Red	Assy Overhead Console / Switch 911 / Switch Assist / Sunshade / HUD

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F34	-	15 Amp Blue	Frt & RR Ventilated Seat Motor
F35	-	10 Amp Red	Mod Inverter / Mtr Sunshade Sunroof / Mtr Dual Sunroof / USB Charge Only
F36	40 Amp Green	-	Mod CBC 2 Exterior Light 1
F37	-	-	Spare
F38	-	-	Spare
F39	-	-	Spare
F40	20 Amp Blue	-	Dome Pursuit Vehicle *
F41 A&B	-	15 Amp Blue	Lumbar Support & Pass SW / Steering Column Control Module / HVAC Control Module / ICS Switch Bank / Upper Switch Bank
F42 A&B	-	10 Amp Red	Mod Transfer Case Switch Module (TCSM) / SBW / Electric Park Brake SW / Module TPM Trailer / Module Gateway Can-C Trailer TPM / Seat LT & RT Vent
F43 A&B	-	10 Amp Red	Port Diagnostics / Front & Rear USB
F44	-	20 Amp Yellow	Radio / DCSD / Telematics Box Mod / Trailer Gateway Module (360)
F45	30 Amp Pink	-	Mod Door MUX Driver
F46	30 Amp Pink	-	Mod Door MUX Passenger
F47	-	-	Spare
F48A	-	10 Amp Red	Rear View Mirror / SW Window Passenger / Rear USB / Wireless Charging Pad Mod
F49	-	15 Amp Blue	Mod CVPM / SNSR Blind Spot / HDLP Adaptive Front Lighting Sensor (AFLS)
F50A	-	10 Amp Red	Battery PACK Control Mod (BPCM) *
F51 A&B	-	-	Spare
F52	20 Amp Blue	-	Direct Battery Feed *
F53	-	10 Amp Red	Trailer Reverse Steering Control / Trailer Steering Control Knob

Cavity	Cartridge Fuse	Micro Fuse	Description
* If Equipped			
F54 A&B	-	20 Amp Yellow	Power Outlet Center Seat Battery Feed Position Power Outlet Center Seat Ignition Feed Position
F55	25 Amp White	-	Upfitter *
F56	30 Amp Pink	-	Mod Network Interface *
F57	20 Amp Blue	-	Direct Battery Feed *
F58	20 Amp Blue	-	Direct Battery Feed *
F60	50 Amp Red	-	Mod Inverter *
F61	-	-	Spare
F62 A&B	-	10 Amp Red	ITBM / Mod Occupant Class / Mod IAIR Suspension / Mod HVAC / Snsr In car Temp / Integrated Radar Camera Mod (IRCM) / Humidity Rain & Light Sensor (HRLS) / Parktronics System Mod (PTS) / Gate- way Can-C Trailer TPM Mod
F63	-	-	Spare
F64	-	-	Spare
F65	-	10 Amp Red	Mod ORC
F66	-	10 Amp Red	Run - Accessory Feed

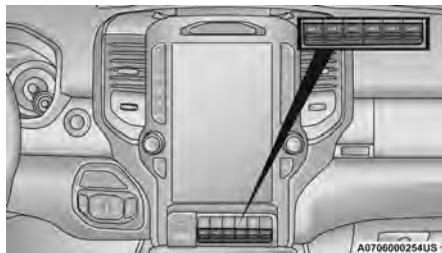
Circuit Breakers

Cavity	Circuit Breaker	Description
CB1	25 Amp	Driver Window SW Rear PWR Windows / Overhead SW Rear Defrost
CB2	25 Amp	Driver PWR Seat / Driver Seat Memory Mod
CB3	25 Amp	Passenger Power Seat / Passenger Seat Memory Mod

Auxiliary Switches — If Equipped

Four or six auxiliary switches may be located in the lower switch bank of the instrument panel, and can be used to power various electrical devices.

The functionality of the auxiliary switches can be changed via the Uconnect Settings. All switches can be configured for setting the switch type operation to latching or momentary, power source of either battery or ignition, and ability to hold last state across key cycles.



Auxiliary Switch Location

NOTE:

Holding last state conditions are met when switch type is set to “latching” and power source is set to “ignition” within Uconnect Settings.

The auxiliary switches manage the relays that power four or six blunt cut wires. These wires are located under the hood to the right, near the battery.

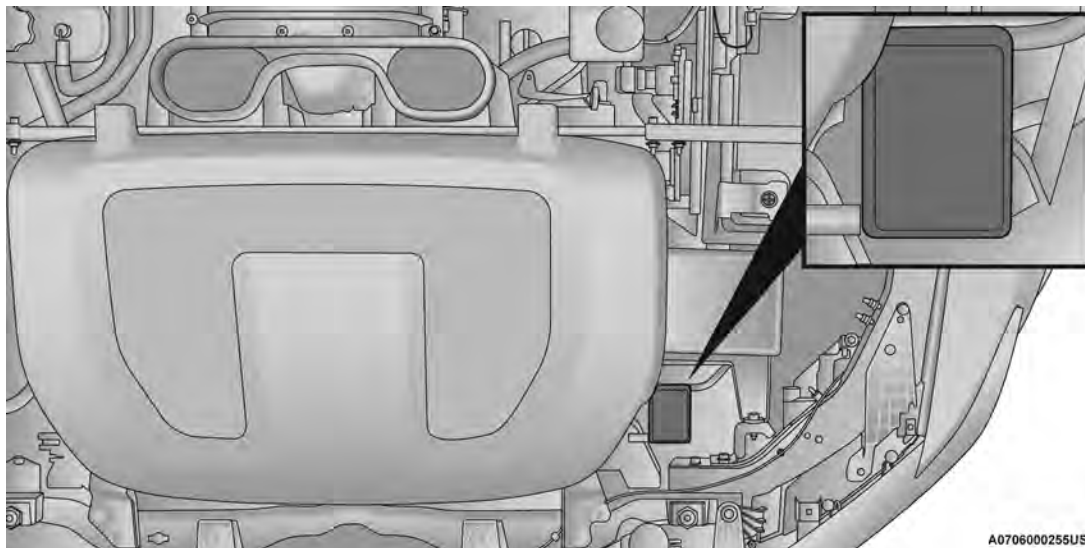
In addition to the four or six auxiliary switch wires, a fused battery wire and ignition wire are also found in this location.

A kit of splices and heat shrink tubing are provided with the auxiliary switches to aid in the connection/installation of your electrical devices.

Fuse And Wire Color Chart

NOTE:

Fuses for the auxiliary switches can be found in the auxiliary Power Distribution Center (PDC), located in the engine compartment toward the front of the vehicle, in front of the main PDC. Remove upper shield to access. If equipped, additional auxiliary switch fuses will be located in the main PDC.



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Auxiliary PDC Location

Circuit Function	Fuse	Wire Color	Location
* If Equipped			
Aux Switch 1	F001A - 50 Amp	Pink/Dark Blue	Auxiliary PDC
Aux Switch 2	F002A - 20 Amp	Pink/Dark Green	Auxiliary PDC
Aux Switch 3	F003A - 20 Amp	Pink/Violet	Auxiliary PDC
Aux Switch 4	F004A - 50 Amp	Pink/Beige	Auxiliary PDC
Aux Switch 5*	F42 - 20 Amp	Pink/Brown	Main PDC
Aux Switch 6*	F50 - 20 Amp	Pink/Yellow	Main PDC

BULB REPLACEMENT

Replacement Bulbs, Names, And Part Numbers

In the instance a bulb needs to be replaced, this section includes bulb description and replacement part numbers. All of the inside bulbs are brass or glass-wedge base. Aluminum base bulbs are not approved.

NOTE:

See an authorized dealer for LED bulb replacement.

Interior Bulbs	
Bulb Name	Bulb Number
Overhead Console Lamps	TS 212-9
Dome Lamp	7679
<p>NOTE: For lighted switches, see an authorized dealer for replacement instructions.</p>	

Exterior Bulbs	
Bulb Name	Bulb Number
Low Beam (Halogen Reflector Headlamp – If Equipped)	H11LL
High Beam (Halogen Reflector Headlamp – If Equipped)	9005LL
Low & High Beam (LED Reflector Headlamp)	LED
Low & High Beam (LED Projector Headlamp)	LED
Turn Signal / Front Position (Halogen Reflector Headlamp – If Equipped)	7444NA
Turn Signal / Front Position (LED Headlamps)	LED
Front Side Marker (Halogen Reflector Headlamp – If Equipped)	W5W
Front Side Marker	LED
Front Fog Lamps (Halogen Reflector Headlamp – If Equipped)	H11LL
Front Fog Lamps	LED
Side Indicators (Front And Side View Mirror – If Equipped)	LED
Base Rear Tail/Turn and Stop Lamp	7440LL/W21WLL
Premium Rear Tail/Turn/Backup and Stop Lamp	LED
Base Backup Lamp	7440/W21W
Center High Mounted Stop Lamp (CHMSL)	921
Cargo Lamp	921
Rear License Plate Lamp	LED
Base Turn Lamp	7440NA / WY21W

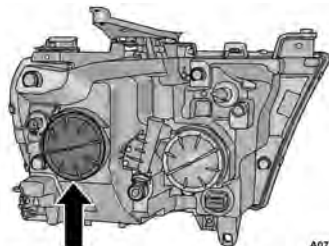
Replacing Exterior Bulbs

BASE QUAD: LOW BEAM HEADLAMP, HIGH BEAM HEADLAMP, FRONT PARK AND TURN — IF EQUIPPED

Low Beam

See the following steps to replace:

1. Open the hood.
2. Disconnect and isolate the negative battery cable.
3. Locate the low beam access cover, which can be found on the back side of the headlamps.



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Low Beam Headlight Cover

NOTE:

It may be necessary to remove/reposition Air Cleaner Assembly to access passenger side headlamp/side marker light bulbs.

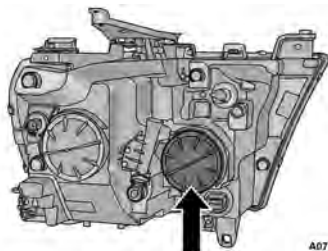
4. Disengage the bulb access cover by rotating counterclockwise.
5. Disconnect the internal lamp wiring harness connector from the low beam bulb.

CAUTION!

- Do not contaminate the bulb glass by touching it with your fingers or by allowing it to contact other oily surfaces. Shortened bulb life will result.
- Always use the correct bulb size and type for replacement. An incorrect bulb size or type may overheat and cause damage to the lamp, the bulb socket, or the lamp wiring.

6. Rotate the bulb counterclockwise a quarter turn to unlock the bulb from the lamp.
7. Pull the bulb straight out from the housing.
8. Reverse the procedure for installation of new bulb and covers.

High Beam



A0705000350US

High Beam Headlight Cover

See the following steps to replace:

1. Open the hood.
2. Disconnect and isolate the negative battery cable.

3. Locate the high beam access cover, which can be found on the back side of the headlamps.

NOTE:

It may be necessary to remove/reposition Air Cleaner Assembly to access passenger side headlamp/side marker light bulbs.

4. Reach behind the headlamp and disengage the access cover by rotating counterclockwise.
5. Disconnect the internal lamp wiring harness connector from the high beam bulb.

CAUTION!

- Do not contaminate the bulb glass by touching it with your fingers or by allowing it to contact other oily surfaces. Shortened bulb life will result.
- Always use the correct bulb size and type for replacement. An incorrect bulb size or type may overheat and cause damage to the lamp, the bulb socket, or the lamp wiring.

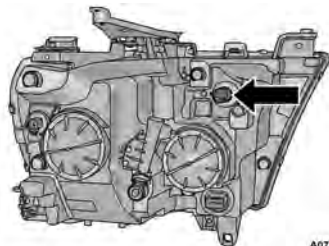
6. Rotate the bulb counterclockwise a quarter turn to unlock the bulb from the lamp.
7. Pull the bulb straight out from the housing.
8. Reverse the procedure for installation of new bulb and cover.

Front Park And Turn

See the following steps to replace:

1. Open the hood.
2. Disconnect and isolate the negative battery cable.

3. Locate the park and turn socket, which can be found on the back side of the headlamps.



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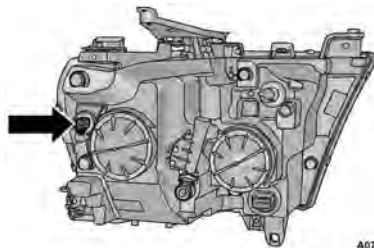
Park And Turn Socket

4. Reach behind the headlamp and unlock the park and turn socket from the lamp by rotating counterclockwise a quarter turn.
5. Pull the bulb straight out from the housing.
6. Separate the bulb from the socket without twisting.
7. Reverse the procedure for installation of new bulb and covers.

Side Marker Lamp

See the following steps to replace:

1. Open the hood.
2. Disconnect and isolate the negative battery cable.
3. Locate the side marker lamp, which can be found on the back side of the headlamps.



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Side Marker Lamp

4. Disengage the side marker socket by rotating counterclockwise a quarter turn.
5. Pull the socket and bulb straight out from the housing.
6. Separate the bulb from the socket without twisting.
7. Reverse the procedure for installation of new bulb and covers.

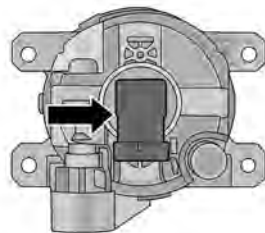
FOG LAMPS — IF EQUIPPED

Please see an authorized dealer for service on LED and Halogen front fog lamps.

Halogen

See the following steps to replace:

1. Reach under and behind the front fascia/bumper to access the back of the front fog lamp housing.
2. Disconnect the fog lamp wiring harness connector from the fog lamp bulb.



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Fog Lamp Bulb

3. Rotate the bulb counterclockwise a quarter turn to unlock the bulb from the housing.
4. Pull the bulb straight out from the housing.
5. Reverse the procedure to install the bulb and cover.

CAUTION!

Do not contaminate the bulb glass by touching it with your fingers or by allowing it to contact other oily surfaces. Shortened bulb life will result.

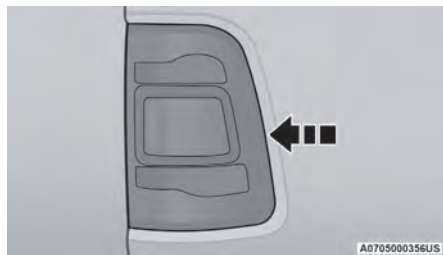
REAR TAIL/STOP, TURN SIGNAL AND BACKUP LAMPS

1. Remove the two screws and pushpin retainers that pass through the bed sheet metal.

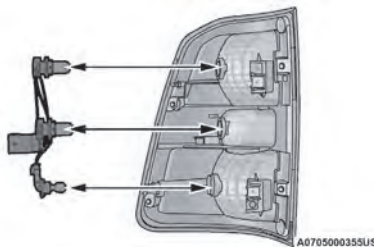
**Tail Lamp Locations**

- 1 — Tail Lamp
- 2 — Fasteners
- 3 — Pushpin Retainers

2. Pull the outboard side of the lamp rearward far enough to unsnap the two receptacles on the outboard side of the lamp housing from the two plastic snap post retainers in the outer box side panel.

**Tail Lamp Removal**

3. Disconnect the wiring harness connectors from the bulb socket.

**Wiring Harness Connector**

4. Rotate the bulb socket counterclockwise a quarter turn to unlock it from the housing.
5. Pull the bulb straight out of the socket.

CAUTION!

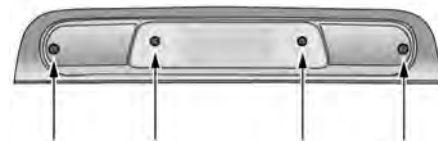
Do not contaminate the bulb glass by touching it with your fingers or by allowing it to contact other oily surfaces. Shortened bulb life will result.

6. Reverse the procedure to install the bulb and housing.

CENTER HIGH MOUNTED STOP LAMP (CHMSL) WITH CARGO LAMP

See the following steps to replace:

1. Remove the four screws holding the housing/lens to the body as shown.

**CHMSL Mounting Screw Locations**

2. Separate the connector holding the housing and wiring harness to the body.

**CHMSL Bulb Location**

3. Turn the desired bulb socket a quarter turn counterclockwise and remove the socket and bulb from housing.
4. Pull the desired bulb straight from the socket.
 - Outside Bulbs: Cargo Lamps
 - Inside Bulb: Center High Mounted Stop Lamp

CAUTION!

Do not contaminate the bulb glass by touching it with your fingers or by allowing it to contract other oily surfaces. Shortened bulb life will result.

- Reverse the procedure for installation of bulbs and housing.

TIRES

TIRE SAFETY INFORMATION

Tire safety information will cover aspects of the following information: Tire Markings, Tire Identification Numbers, Tire Terminology and Definitions, Tire Pressures, and Tire Loading.

Tire Markings



Tire Markings

- 1 — US DOT Safety Standards Code (TIN)
- 2 — Size Designation
- 3 — Service Description
- 4 — Maximum Load
- 5 — Maximum Pressure
- 6 — Treadwear, Traction and Temperature Grades

NOTE:

- P (Passenger) — Metric tire sizing is based on US design standards. P-Metric tires have the letter "P" molded into the sidewall preceding the size designation. Example: P215/65R15 95H.

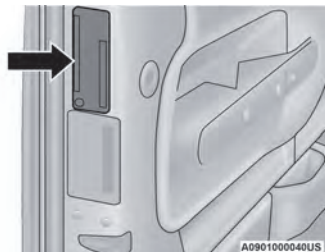
- European — Metric tire sizing is based on European design standards. Tires designed to this standard have the tire size molded into the sidewall beginning with the section width. The letter "P" is absent from this tire size designation. Example: 215/65R15 96H.
- LT (Light Truck) — Metric tire sizing is based on US design standards. The size designation for LT-Metric tires is the same as for P-Metric tires except for the letters "LT" that are molded into the sidewall preceding the size designation. Example: LT235/85R16.
- Temporary spare tires are designed for temporary emergency use only. Temporary high pressure compact spare tires have the letter "T" or "S" molded into the sidewall preceding the size designation. Example: T145/80D18 103M.
- High flotation tire sizing is based on US design standards and it begins with the tire diameter molded into the sidewall. Example: 31x10.5 R15 LT.

Tire Loading And Tire Pressure

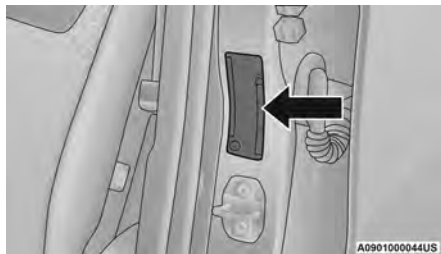
NOTE:

The proper cold tire inflation pressure is listed on the driver's side B-pillar or the rear edge of the driver's side door.

Check the inflation pressure of each tire, including the spare tire (if equipped), at least monthly and inflate to the recommended pressure for your vehicle.

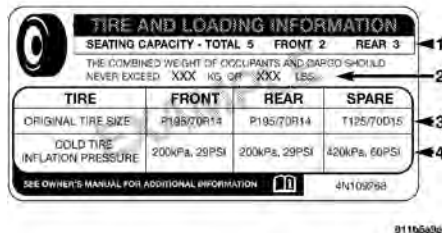


Example Tire Placard Location (Door)



Example Tire Placard Location (B-pillar)

Tire And Loading Information Placard



Tire And Loading Information Placard

This placard tells you important information about the:

1. Number of people that can be carried in the vehicle.
2. Total weight your vehicle can carry.
3. Tire size designed for your vehicle.
4. Cold tire inflation pressures for the front, rear, and spare tires.

Loading

The vehicle maximum load on the tire must not exceed the load carrying capacity of the tire on your vehicle. You will not exceed the tire's load carrying capacity if you adhere to the loading conditions, tire size, and cold tire inflation pressures specified on the Tire And Loading Information Placard in Vehicle Loading
 ➞ page 168.

NOTE:

Under a maximum loaded vehicle condition, Gross Axle Weight Rating (GAWR) for the front and rear axles must not be exceeded.

For further information on GAWR, vehicle loading, and trailer towing ➞ page 168.

To determine the maximum loading conditions of your vehicle, locate the statement "The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs" on the Tire And Loading Information Placard. The combined weight of occupants, cargo/luggage and trailer tongue weight (if applicable) should never exceed the weight referenced here.

Steps For Determining Correct Load Limit—

- (1) Locate the statement "The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs." on your vehicle's placard.
- (2) Determine the combined weight of the driver and passengers that will be riding in your vehicle.
- (3) Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.
- (4) The resulting figure equals the available amount of cargo and luggage load capacity. For example, if "XXX"

amount equals 1400 lbs. and there will be five 150 lb passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1400-750 (5x150) = 650 lbs.)

(5) Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.

(6) If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

Metric Example For Load Limit

For example, if “XXX” amount equals 635 kg and there will be five 68 kg passengers in your vehicle, the amount of available cargo and luggage load capacity is 295 kg (635-340 (5x68) = 295 kg) as shown in step 4.

NOTE:

- If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. The following table shows examples on how to calculate total load, cargo/luggage, and towing capacities of your vehicle with varying seating configurations and number and size of occupants. This table is for illustration purposes only and may not be accurate for the seating and load carry capacity of your vehicle.
- For the following example, the combined weight of occupants and cargo should never exceed 865 lbs (392 kg).

Occupants			Combined weight of occupants and cargo from Tire Placard	MINUS	Combined Occupant's weight	=	AVAILABLE Cargo/Luggage and Trailer Tongue Weight
TOTAL	FRONT	REAR					
EXAMPLE 1			865 lbs	minus	670 lbs	=	195 lbs
5	2	3					
EXAMPLE 2			865 lbs	minus	540 lbs	=	325 lbs
3	2	1					
EXAMPLE 3			865 lbs	minus	400 lbs	=	465 lbs
2	2	0					

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WARNING!

Overloading of your tires is dangerous. Overloading can cause tire failure, affect vehicle handling, and increase your stopping distance. Use tires of the recommended load capacity for your vehicle. Never overload them.

TIRE TYPES

All Season Tires — If Equipped

All Season tires provide traction for all seasons (Spring, Summer, Autumn, and Winter). Traction levels may vary between different all season tires. All season tires can be identified by the M+S, M&S, M/S or MS designation on the tire sidewall. Use all season tires only in sets of four; failure to do so may adversely affect the safety and handling of your vehicle.

Summer Or Three Season Tires — If Equipped

Summer tires provide traction in both wet and dry conditions, and are not intended to be driven in snow or on ice. If your vehicle is equipped with Summer tires, be aware these tires are not designed for Winter or cold driving conditions. Install Winter tires on your vehicle when ambient temperatures are less than 40 °F (5 °C) or if roads are covered with ice or snow. For more information, contact an authorized dealer.

Summer tires do not contain the all season designation or mountain/snowflake symbol on the tire sidewall. Use Summer tires only in sets of four; failure to do so may adversely affect the safety and handling of your vehicle.

WARNING!

Do not use Summer tires in snow/ice conditions. You could lose vehicle control, resulting in severe injury or death. Driving too fast for conditions also creates the possibility of loss of vehicle control.

Snow Tires



Some areas of the country require the use of snow tires during the Winter. Snow tires can be identified by a “mountain/snowflake” symbol on the tire sidewall.

If you need snow tires, select tires equivalent in size and type to the original equipment tires. Use snow tires only in sets of four; failure to do so may adversely affect the safety and handling of your vehicle.

Snow tires generally have lower speed ratings than what was originally equipped with your vehicle and should not be operated at sustained speeds over 75 mph (120 km/h). For speeds above 75 mph (120 km/h) refer to original equipment or an authorized tire dealer for recommended safe operating speeds, loading and cold tire inflation pressures.

While studded tires improve performance on ice, skid and traction capability on wet or dry surfaces may be poorer than that of non-studded tires. Some states prohibit studded tires; therefore, local laws should be checked before using these tire types.

SPARE TIRES — IF EQUIPPED

NOTE:

For vehicles equipped with Tire Service Kit instead of a spare tire, please refer to “Tire Service Kit” in “In Case Of Emergency” for further information.

CAUTION!

Because of the reduced ground clearance, do not take your vehicle through an automatic car wash with a compact or limited use temporary spare installed. Damage to the vehicle may result.

For restrictions when towing with a spare tire designated for temporary emergency use ➞ page 174.

Spare Tire Matching Original Equipped Tire And Wheel — If Equipped

Your vehicle may be equipped with a spare tire and wheel equivalent in look and function to the original equipment tire and wheel found on the front or rear axle of your vehicle. This spare tire may be used in the tire rotation for your vehicle. If your vehicle has this option, refer to an authorized tire dealer for the recommended tire rotation pattern.

Compact Spare Tire — If Equipped

The compact spare is for temporary emergency use only. You can identify if your vehicle is equipped with a compact spare by looking at the spare tire description on the Tire And Loading Information Placard located on the driver's side door opening or on the sidewall of the tire. Compact spare tire descriptions begin with the letter “T” or “S” preceding the size designation. Example: T145/80D18 103M.

T, S = Temporary Spare Tire

Since this tire has limited tread life, the original equipment tire should be repaired (or replaced) and reinstalled on your vehicle at the first opportunity.

Do not install a wheel cover or attempt to mount a conventional tire on the compact spare wheel, since the wheel is designed specifically for the compact spare tire. Do not install more than one compact spare tire and wheel on the vehicle at any given time.

WARNING!

Compact and collapsible spares are for temporary emergency use only. With these spares, do not drive more than 50 mph (80 km/h). Temporary use spares have limited tread life. When the tread is worn to the tread wear indicators, the temporary use spare tire needs to be replaced. Be sure to follow the warnings, which apply to your spare. Failure to do so could result in spare tire failure and loss of vehicle control.

WARNING!

Compact and Collapsible spares are for temporary emergency use only. With these spares, do not drive more than 50 mph (80 km/h). Temporary use spares have limited tread life. When the tread is worn to the tread wear indicators, the temporary use spare tire needs to be replaced. Be sure to follow the warnings, which apply to your spare. Failure to do so could result in spare tire failure and loss of vehicle control.

WARNING!

Limited use spares are for emergency use only. Installation of this limited use spare tire affects vehicle handling. With this tire, do not drive more than the speed listed on the limited use spare wheel. Keep inflated to the cold tire inflation pressures listed on your Tire And Loading Information Placard located on the driver's side B-pillar or the rear edge of the driver's side door. Replace (or repair) the original equipment tire at the first opportunity and reinstall it on your vehicle. Failure to do so could result in loss of vehicle control.

Collapsible Spare Tire — If Equipped

The collapsible spare is for temporary emergency use only. You can identify if your vehicle is equipped with a collapsible spare by looking at the spare tire description on the Tire And Loading Information Placard located on the driver's side door opening or on the sidewall of the tire.

Collapsible spare tire description example:
165/80-17 101P.

Since this tire has limited tread life, the original equipment tire should be repaired (or replaced) and reinstalled on your vehicle at the first opportunity.

Inflate collapsible tire only after the wheel is properly installed to the vehicle. Inflate the collapsible tire using the electric air pump before lowering the vehicle.

Do not install a wheel cover or attempt to mount a conventional tire on the collapsible spare wheel, since the wheel is designed specifically for the collapsible spare tire.

Full Size Spare — If Equipped

The full size spare is for temporary emergency use only. This tire may look like the originally equipped tire on the front or rear axle of your vehicle, but it is not. This spare tire may have limited tread life. When the tread is worn to the tread wear indicators, the temporary use full size spare tire needs to be replaced. Since it is not the same as your original equipment tire, replace (or repair) the original equipment tire and reinstall on the vehicle at the first opportunity.

Limited Use Spare — If Equipped

The limited use spare tire is for temporary emergency use only. This tire is identified by a label located on the limited use spare wheel. This label contains the driving limitations for this spare. This tire may look like the original equipped tire on the front or rear axle of your vehicle, but it is not. Installation of this limited use spare tire affects vehicle handling. Since it is not the same as your original equipment tire, replace (or repair) the original equipment tire and reinstall on the vehicle at the first opportunity.

WHEEL AND WHEEL TRIM CARE

All wheels and wheel trim, especially aluminum and chrome plated wheels, should be cleaned regularly using mild (neutral Ph) soap and water to maintain their luster and to prevent corrosion. Wash wheels with the same soap solution recommended for the body of the vehicle and remember to always wash when the surfaces are not hot to the touch.

Your wheels are susceptible to deterioration caused by salt, sodium chloride, magnesium chloride, calcium chloride, etc., and other road chemicals used to melt ice or control dust on dirt roads. Use a soft cloth or sponge and mild soap to wipe away promptly. Do not use harsh chemicals or a stiff brush. They can damage the wheel's protective coating that helps keep them from corroding and tarnishing.

CAUTION!

Avoid products or automatic car washes that use acidic solutions or strong alkaline additives or harsh brushes. Many aftermarket wheel cleaners and automatic car washes may damage the wheel's protective finish. Such damage is not covered by the New Vehicle Limited Warranty. Only car wash soap, Mopar® Wheel Cleaner or equivalent is recommended.

When cleaning extremely dirty wheels including excessive brake dust, care must be taken in the selection of tire and wheel cleaning chemicals and equipment to prevent damage to the wheels. Mopar® Wheel Treatment or Mopar® Chrome Cleaner or their equivalent is recommended or select a non-abrasive, non-acidic cleaner for aluminum or chrome wheels.

CAUTION!

Do not use scouring pads, steel wool, a bristle brush, metal polishes or oven cleaner. These products may damage the wheel's protective finish. Such damage is not covered by the New Vehicle Limited Warranty. Only car wash soap, Mopar® Wheel Cleaner or equivalent is recommended.

NOTE:

If you intend parking or storing your vehicle for an extended period after cleaning the wheels with wheel cleaner, drive your vehicle and apply the brakes to remove the water droplets from the brake components. This activity will remove the red rust on the brake rotors and prevent vehicle vibration when braking.

Dark Vapor Chrome, Black Satin Chrome, or Low Gloss Clear Coat Wheels**CAUTION!**

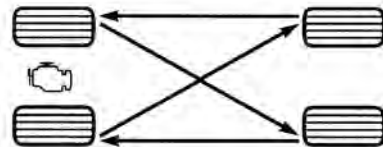
If your vehicle is equipped with these specialty wheels, DO NOT USE wheel cleaners, abrasives, or polishing compounds. They will permanently damage this finish and such damage is not covered by the New Vehicle Limited Warranty. HAND WASH ONLY USING MILD SOAP AND WATER WITH A SOFT CLOTH. Used on a regular basis; this is all that is required to maintain this finish.

TIRE ROTATION RECOMMENDATIONS

Tires on the front and rear axles of vehicles operate at different loads and perform different steering, driving, and braking functions. For these reasons, they wear at unequal rates.

These effects can be reduced by timely rotation of tires. The benefits of rotation are especially worthwhile with aggressive tread designs such as those on all season type tires. Rotation will increase tread life, help to maintain mud, snow and wet traction levels and contribute to a smooth, quiet ride.

The suggested rotation method is the "rearward cross" shown in the following diagram. This rotation pattern does not apply to some directional tires that must not be reversed.



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Tire Rotation (Rearward Cross)**STORING THE VEHICLE**

If you are storing your vehicle for more than three weeks, we recommend that you take the following steps to minimize the drain on your vehicle's battery:

- Disconnect the negative cable from battery.
- Any time you store your vehicle or keep it out of service (i.e., vacation) for two weeks or more, run the air conditioning system at idle for about five minutes in the fresh air and high blower setting. This will ensure adequate system lubrication to minimize the possibility of compressor damage when the system is started again.

BATTERY STORAGE MODE — TRX

With the ignition in the ON position, engine not running, navigate to the battery gauge page on the instrument cluster display, then press and hold the OK button. The vehicle will be put into battery storage mode, which will greatly increase the amount of time the vehicle can sit and restart without needing to disconnect the battery. Going into battery storage mode will increase the amount of time between starts to about 60 days.

NOTE:

The key fob buttons will not work while the vehicle is in battery storage mode. Pulling the door handle will wake the vehicle and allow it to recognize the key fob to unlock the door.

BODYWORK

PROTECTION FROM ATMOSPHERIC AGENTS

Vehicle body care requirements vary according to geographic locations and usage. Chemicals that make roads passable in snow and ice and those that are sprayed on trees and road surfaces during other seasons are highly corrosive to the metal in your vehicle. Outside parking, which exposes your vehicle to airborne contaminants, road surfaces on which the vehicle is operated, extreme hot or cold weather and other extreme conditions will have an adverse effect on paint, metal trim, and underbody protection.

The following maintenance recommendations will enable you to obtain maximum benefit from the corrosion resistance built into your vehicle.

What Causes Corrosion?

Corrosion is the result of deterioration or removal of paint and protective coatings from your vehicle.

The most common causes are:

- Road salt, dirt and moisture accumulation.
- Stone and gravel impact.
- Insects, tree sap and tar.
- Salt in the air near seacoast localities.
- Atmospheric fallout/industrial pollutants.

BODY AND UNDERBODY MAINTENANCE

Cleaning Headlights

Your vehicle is equipped with plastic headlights and fog lights that are lighter and less susceptible to stone breakage than glass headlights.

Plastic is not as scratch resistant as glass and therefore different lens cleaning procedures must be followed.

To minimize the possibility of scratching the lenses and reducing light output, avoid wiping with a dry cloth. To remove road dirt, wash with a mild soap solution followed by rinsing.

Do not use abrasive cleaning components, solvents, steel wool or other aggressive material to clean the lenses.

Tri-Fold Soft Tonneau Cover Care

For cleaning and protecting the vinyl Tri-Fold Tonneau cover, use Mopar® Whitewall & Vinyl Top Cleaner and Mopar® Leather and Vinyl Conditioner/Protectant.

PRESERVING THE BODYWORK

Washing

- Wash your vehicle regularly. Always wash your vehicle in the shade using Mopar® Car Wash, or a mild car wash soap, and rinse the panels completely with water.
- If insects, tar, or other similar deposits have accumulated on your vehicle, use Mopar® Super Kleen Bug and Tar Remover to remove.
- Use a high quality cleaner wax, such as Mopar® Cleaner Wax to remove road film, stains and to protect your paint finish. Use precautions to not scratch the paint.
- Avoid using abrasive compounds and power buffing that may diminish the gloss or thin out the paint finish.

CAUTION!

- Do not use abrasive or strong cleaning materials such as steel wool or scouring powder that will scratch metal and painted surfaces.
- Use of power washers exceeding 1,200 psi (8,274 kPa) can result in damage or removal of paint and decals.

Fascia/Bumper Care

The customer is responsible to clean and maintain the chrome components of the vehicle. Wash away road debris and salt using an automotive soap. Fascia/bumpers should be cleaned regularly using mild (neutral Ph) soap and water to maintain their luster and to prevent corrosion.

Your fascia/bumpers are susceptible to deterioration caused by salt, sodium chloride, magnesium chloride, calcium chloride, etc., and other road chemicals used to melt ice or control dust on dirt roads. Do not use harsh chemicals or a stiff brush. They can stain or damage the protective coating that helps keep them from corroding and tarnishing.

CAUTION!

- Do not use scouring pads, steel wool, a bristle brush, metal polishes, or oven cleaner. These products may damage the bumper's protective finish. Such damage is not covered by the New Vehicle Limited Warranty. Only car wash soap, Mopar® Chrome Cleaner, or equivalent is recommended.
- Avoid products or automatic car washes that use acidic solutions, strong alkaline additives, or harsh brushes. Many aftermarket cleaners and automatic car washes may damage the bumper's protective finish. Such damage is not covered by the New Vehicle Limited Warranty. Only car wash soap, Mopar® Chrome Cleaner, or equivalent is recommended.

Special Care

- If you drive on salted or dusty roads or if you drive near the ocean, hose off the undercarriage at least once a month.
- It is important that the drain holes in the lower edges of the doors, rocker panels, and trunk be kept clear and open.
- If you detect any stone chips or scratches in the paint, touch them up immediately.

- If your vehicle is damaged due to a collision or similar cause that destroys the paint and protective coating, have your vehicle repaired as soon as possible.
- If you carry special cargo such as chemicals, fertilizers, de-icer salt, etc., be sure that such materials are well packaged and sealed.
- If a lot of driving is done on gravel roads, consider mud or stone shields behind each wheel.
- Use Mopar® Touch Up Paint on scratches as soon as possible. An authorized dealer has touch up paint to match the color of your vehicle.

Spray-On Bedliner – If Equipped

During ownership, the shine and luster of the Spray-On Bedliner can fade from oxidation, road dirt, heavy-duty hauling and hard water stains. Weathering and UV exposure will lead to fading.

To help maintain the appearance of your Spray-On Bedliner, the manufacturer recommends you periodically rinse all loose dirt from your truck bed and clean your truck at least twice per year using the Mopar® Spray-On Bedliner Conditioner available at a local authorized dealer.

To Help Maintain The Appearance Of Your Spray-On Bedliner

1. Rinse your truck bed out with water to remove any loose dirt and debris.
2. Mix a mild soap or detergent with water. Then apply solution with a soft cloth or brush.
3. Rinse bedliner with water.
4. Once dry, apply a small amount of Mopar® Spray-On Bedliner Conditioner to a moist towel or sponge and wipe over the entire surface of the truck bedliner.

WARNING!

Do not use silicon-based protection products to clean your bedliner. Silicon-based products can become slippery and may result in personal injury.

Spray-On Bedliners are chemically-resistant to many different types of chemicals (including gasoline, oil, hydraulic fluids) for short periods of time. If a spill occurs on your Spray-On Bedliner, rinse the truck out as soon as possible to avoid permanent damage.

Repairing The Spray-On Bedliner

While extremely tough, it is possible to damage a Spray-On Bedliner. One common condition is when loading a heavy pallet and dragging that pallet across the floor of the bed. If a nail or sharp point is exposed under the weight of the pallet a scratch or tear is possible. While not covered by your new vehicle warranty, a cosmetic fix to cover the metal exposed by the scratch is required. To repair a tear or gouge, follow the directions provided in the Mopar® Quick Repair Kit.

INTERIORS

SEATS AND FABRIC PARTS

Use Mopar® Total Clean to clean fabric upholstery and carpeting.

WARNING!

Do not use volatile solvents for cleaning purposes. Many are potentially flammable, and if used in closed areas they may cause respiratory harm.

Stain Repel Fabric Cleaning Procedure — If Equipped

Stain Repel seats may be cleaned in the following manner:

- Remove as much of the stain as possible by blotting with a clean, dry towel.
- Blot any remaining stain with a clean, damp towel.
- For tough stains, apply Mopar® Total Clean, or a mild soap solution to a clean, damp cloth and remove stain. Use a fresh, damp towel to remove soap residue.
- For grease stains, apply Mopar® Multi-Purpose Cleaner to a clean, damp cloth and remove stain. Use a fresh, damp towel to remove soap residue.
- Do not use any harsh solvents or any other form of protectants on Stain Repel products.

Suede Steering Wheel Cleaning — TRX

It is sufficient to dust the steering wheel using a soft bristle brush, a dry cloth, or a vacuum cleaner with care. After having dusted, run a white cotton terry cloth that has been dampened and thoroughly wrung out over the steering wheel. Avoid the use of printed absorbent cloths/papers, as they can release ink into the material. Take extra care not to wet the steering wheel excessively; rinse the cloth or sponge and repeat as necessary. Leave to dry (overnight). Once dried, in order to restore the material, brush it delicately with a soft bristle brush.

Seat Belt Maintenance

Do not bleach, dye or clean the belts with chemical solvents or abrasive cleaners. This will weaken the fabric.

If the belts need cleaning, use a mild soap solution or lukewarm water. Do not remove the belts from the vehicle to wash them. Dry with a soft cloth.

Sun damage can also weaken the fabric. Replace the belts if they appear frayed or worn or if the buckles do not work properly.

NOTE:

If the belts retract slowly, inspect the upper turning loop for soiling. If soiling is present, clean with a wet soft cloth until all residue is removed.

WARNING!

A frayed or torn seat belt could rip apart in a collision and leave you with no protection. Inspect the seat belt system periodically, checking for cuts, frays, or loose parts. Damaged parts must be replaced immediately. Do not disassemble or modify the seat belt system. If your vehicle is involved in a collision, or if you have questions regarding seat belt or retractor conditions, take your vehicle to an authorized FCA dealer or authorized FCA Certified Collision Care Program facility for inspection.

PLASTIC AND COATED PARTS

Use Mopar® Total Clean to clean vinyl upholstery.

CAUTION!

- Direct contact of air fresheners, insect repellents, suntan lotions, or hand sanitizers to the plastic, painted, or decorated surfaces of the interior may cause permanent damage. Wipe away immediately.
- Damage caused by these type of products may not be covered by your New Vehicle Limited Warranty.

Cleaning Plastic Instrument Cluster Lenses

The lenses in front of the instruments in this vehicle are molded in clear plastic. When cleaning the lenses, care must be taken to avoid scratching the plastic.

Clean with a wet soft cloth. A mild soap solution may be used, but do not use high alcohol content or abrasive cleaners. If soap is used, wipe clean with a clean damp cloth. Dry with a soft cloth.

LEATHER SURFACES

Mopar® Total Clean is specifically recommended for leather upholstery.

Your leather upholstery can be best preserved by regular cleaning with a damp soft cloth. Small particles of dirt can act as an abrasive and damage the leather upholstery and should be removed promptly with a damp cloth. Stubborn soils can be removed easily with a soft cloth and Mopar® Total Clean. Care should be taken to avoid soaking your leather upholstery with any

liquid. Please do not use polishes, oils, cleaning fluids, solvents, detergents, or ammonia-based cleaners to clean your leather upholstery.

NOTE:

If equipped with light colored leather, it tends to show any foreign material, dirt, and fabric dye transfer more so than darker colors. The leather is designed for easy cleaning, and the manufacturer recommends Mopar® Total Clean leather cleaner applied on a cloth to clean the leather seats as needed.

CAUTION!
Do not use alcohol and alcohol-based and/or ketone-based cleaning products to clean leather upholstery, as damage to the upholstery may result.

GLASS SURFACES

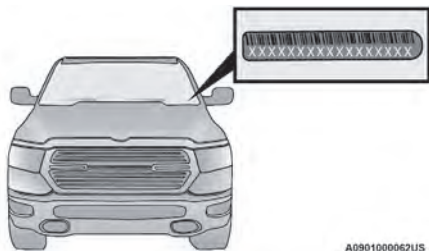
All glass surfaces should be cleaned on a regular basis with Mopar® Glass Cleaner, or any commercial household-type glass cleaner. Never use an abrasive type cleaner. Use caution when cleaning the inside rear window equipped with electric defrosters or windows equipped with radio antennas. Do not use scrapers or other sharp instruments that may scratch the elements.

When cleaning the rearview mirror, spray cleaner on the towel or cloth that you are using. Do not spray cleaner directly on the mirror.

TECHNICAL SPECIFICATIONS

VEHICLE IDENTIFICATION NUMBER (VIN)

The VIN is found on the left front corner of the instrument panel, visible through the windshield.



Vehicle Identification Number

NOTE:

It is illegal to remove or alter the VIN.

BRAKE SYSTEM

If power assist is lost for any reason (for example, repeated brake applications with the engine off), the brakes will still function. However, you will experience a substantial increase in braking effort to stop the vehicle.

If either the front or rear hydraulic systems lose normal braking capability, the remaining system will still function with some loss of overall braking effectiveness. This will be evident by increased pedal travel during

application, greater pedal force required to slow or stop, and the Brake Warning Light and the Anti-Lock Brake System (ABS) Warning Light will activate during brake use.

WHEEL AND TIRE TORQUE SPECIFICATIONS

Proper lug nut/bolt torque is very important to ensure that the wheel is properly mounted to the vehicle. Any time a wheel has been removed and reinstalled on the vehicle, the lug nuts/bolts should be torqued using a properly calibrated torque wrench using a six-sided (hex) deep wall socket.

TORQUE SPECIFICATIONS

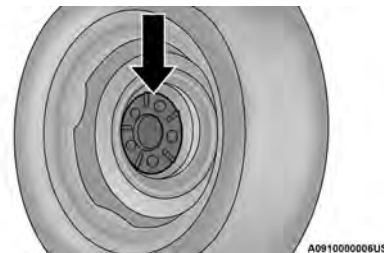
Lug Nut/ Bolt Torque	Lug Nut/ Bolt Type	**Lug Nut/ Bolt Size	Lug Nut/ Bolt Socket Size
130 ft-lb (176 Nm)	Cone	M14 x 1.50	22 mm

****Use only authorized dealer recommended lug nuts/bolts and clean or remove any dirt or oil before tightening.**

NOTE:

Do not oil wheel studs. For chrome wheels, do not substitute with chrome plated wheel nuts.

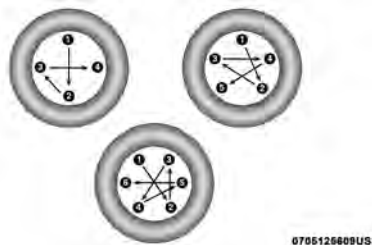
Inspect the wheel mounting surface prior to mounting the tire and remove any corrosion or loose particles.



Wheel Mounting Surface

Tighten the lug nuts/bolts in a star pattern until each nut/bolt has been tightened twice. Ensure that the socket is fully engaged on the lug nut/bolt (do not insert it halfway).

After 25 miles (40 km), check the lug nut/bolt torque to be sure that all the lug nuts/bolts are properly seated against the wheel.



Four, Five, And Six Lug Nuts/Bolts Torque Patterns

WARNING!

To avoid the risk of forcing the vehicle off the jack, do not tighten the lug nuts/bolts fully until the vehicle has been lowered. Failure to follow this warning may result in personal injury.

FUEL REQUIREMENTS

While operating on gasoline with the required octane number, hearing a light knocking sound from the engine is not a cause for concern. However, if the engine is heard making a heavy knocking sound, see a dealer immediately. Use of gasoline with a lower than recommended octane number can cause engine failure and may void or not be covered by the New Vehicle Limited Warranty.

Light spark knock at low engine speeds is not harmful to your engine. However, continued heavy spark knock at high speeds can cause damage, and immediate service is required. Poor quality gasoline can cause prob-

lems such as hard starting, stalling, and hesitations. If you experience these symptoms, try another brand of gasoline before considering service for the vehicle.

Besides using unleaded gasoline with the proper octane rating, gasolines that contain detergents, corrosion and stability additives are recommended. Using gasolines that have these additives may help improve fuel economy, reduce emissions, and maintain vehicle performance.

Poor quality gasoline can cause problems such as hard starting, stalling, and hesitations. If you experience these symptoms, try another brand of gasoline before considering service for the vehicle.

3.6L ENGINE

Do not use E-85 flex fuel or ethanol blends greater than 15% in this engine.

This engine is designed to meet all emissions regulations and provide excellent fuel economy and performance when using high-quality unleaded gasoline with a minimum Research Octane Number (RON) of 91.

5.7L ENGINE

Do not use E-85 flex fuel or ethanol blends greater than 15% in this engine.

This engine is designed to meet all emissions regulations and provide satisfactory fuel economy and performance when using high-quality unleaded gasoline having an Research Octane Number (RON) of 91 to 95. The manufacturer recommends the use of a 95 RON for optimum performance.

6.2L SUPERCHARGED ENGINE

Do not use E-85 flex fuel or ethanol blends greater than 15% in this engine. The use of octane boosting additives is NOT permitted for use in the 6.2L Supercharged engine.

This engine is designed to operate using high-quality unleaded gasoline having a Research Octane Number (RON) of 95 or higher. The manufacturer recommends the use of 98 Research Octane Number for optimum performance.

METHANOL

(Methyl) is used in a variety of concentrations when blended with unleaded gasoline. You may find fuels containing 3% or more methanol along with other alcohols called cosolvents. Problems that result from using methanol/gasoline are not the responsibility of the manufacturer. While Methyl tert-butyl ether (MTBE) is an oxygenate made from methanol, it does not have the negative effects of methanol.

WARNING!

Do not use gasolines containing methanol. Use of these blends may result in starting and drivability problems and may damage critical fuel system components.

ETHANOL

The manufacturer recommends that your vehicle be operated on fuel containing no more than 15% ethanol. Purchasing your fuel from a reputable supplier may reduce the risk of exceeding this 15% limit and/or of receiving fuel with abnormal properties. It should also be noted that an increase in fuel consumption should be expected when using ethanol-blended fuels, due to the lower energy content of ethanol. Problems that result from using methanol/gasoline or E-85 ethanol blends are not the responsibility of the manufacturer.

CAUTION!

Use of fuel with ethanol content higher than 15% may result in engine malfunction, starting and operating difficulties, and materials degradation. These adverse effects could result in permanent damage to your vehicle.

CLEAN AIR GASOLINE

Many gasolines are now being blended to contribute to cleaner air, especially in those areas where air pollution levels are high. These new blends provide a cleaner-burning fuel and some are referred to as "reformulated gasoline."

The manufacturer supports these efforts toward cleaner air. You can help by using these blends as they become available.

REFORMULATED GASOLINE

Many areas of the country require the use of cleaner-burning gasoline referred to as "reformulated gasoline". Reformulated gasoline contains oxygenates and are specifically blended to reduce vehicle emissions and improve air quality.

The use of reformulated gasoline is recommended. Properly blended reformulated gasoline will provide improved performance and durability of engine and fuel system components.

DO NOT USE E-85 IN NON-FLEX FUEL VEHICLES

Non-Flex Fuel Vehicles (FFV) are compatible with gasoline containing up to 15% ethanol (E-15). Use of gasoline with higher ethanol content may void the New Vehicle Limited Warranty.

If a Non-FFV vehicle is inadvertently fueled with E-85 fuel, the engine will have some or all of these symptoms:

- Operate in a lean mode.
- OBD II Malfunction Indicator Light on.
- Poor engine performance.
- Poor cold start and cold drivability.
- Increased risk for fuel system component corrosion.

COMPRESSED NATURAL GAS (CNG) AND LIQUID PROPANE (LP) FUEL SYSTEM MODIFICATIONS

Modifications that allow the engine to run on Compressed Natural Gas (CNG) or Liquid Propane (LP) may result in damage to the engine, emissions, and fuel system components. Problems that result from running CNG or LP are not the responsibility of the manufacturer and may void the New Vehicle Limited Warranty.

METHYLCYCLOPENTADIENYL MANGANESE TRICARBONYL (MMT)


MMT is a manganese containing metallic additive that is blended into some gasolines to increase octane. Gasoline blended with MMT provides no performance advantage beyond gasoline of the same octane number without MMT. Gasoline blended with MMT reduces spark plug life and reduces emission system performance in some vehicles. The manufacturer recommends that gasoline without MMT be used in your vehicle. The MMT content of gasoline may not be indicated on the gasoline pump; therefore, you should ask the gasoline retailer whether or not his/her gasoline contains MMT.

FLUID CAPACITIES

	US	Metric
Fuel (Approximate)		
1500 Regular Cab Shortbed/Crew Quad Cab Models	23 gal	87 L
1500 Regular Cab Shortbed/Crew Quad Cab Models	26 gal	98 L
1500 Regular Cab Longbed/Crew Quad Cab Models (Optional)/TRX Models	33 gal	124.9 L
Engine Oil With Filter		
3.6L Engine	5 qt	4.7 L
5.7L Engine	7 qt	6.6 L
6.2L Engine (After Draining Oil Cooler)	7.5 qt	7.1 L
Cooling System		
3.6L Engine	12.8 qt	12.1 L
3.6L Motor Generator Unit	1.8 qt	1.7 L
5.7L Engine	17.5 qt	16.6 L
6.2L Engine	18.7 qt	17.7 L
6.2L Engine Intercooler	3.75 qt	3.55 L

ENGINE FLUIDS AND LUBRICANTS

Component	Fluid, Lubricant, or Genuine Part
Engine Coolant	We recommend using Mopar® Antifreeze/Coolant 10 Year/150,000 Mile (240,000 km) Formula OAT (Organic Additive Technology).
Motor Generator Unit – 3.6L Engine (If Equipped)	We recommend using Mopar® Antifreeze/Coolant 10 Year/150,000 Mile (240,000 km) Formula OAT (Organic Additive Technology).

Component	Fluid, Lubricant, or Genuine Part
Engine Oil – 3.6L & 5.7L Engine	We recommend using Mopar® SAE 0W-20 Full Synthetic Engine Oil which meets the requirements of the manufacturer Material Standard MS-6395. Equivalent full synthetic SAE 0W-20 engine oil can be used but must have the API Starburst trademark  page 297.
Engine Oil – 6.2L Engine	For best performance and maximum protection under all types of operating conditions, the manufacturer only recommends full synthetic 0W-40 engine oils that meet the requirements of MS-A0921 or ACEA A1/B1 such as Mopar®, Shell Helix, or equivalent engine oil.
Fuel Selection – 3.6L Engine	91 Research Octane Number (RON).
Fuel Selection – 5.7L Engine	91–95 Research Octane Number (RON). The manufacturer recommends the use of 95 RON for optimum performance.
Fuel Selection – 6.2L Engine	Research Octane Number (RON) of 95 or higher – 98 Research Octane Number (RON) preferred.

CAUTION!

- Mixing of engine coolant (antifreeze) other than specified Organic Additive Technology (OAT) engine coolant (antifreeze), may result in engine damage and may decrease corrosion protection. Organic Additive Technology (OAT) engine coolant is different and should not be mixed with Hybrid Organic Additive Technology (HOAT) engine coolant (antifreeze) or any “globally compatible” coolant (antifreeze). If a non-OAT engine coolant (antifreeze) is introduced into the cooling system in an emergency, the cooling system will need to be drained, flushed, and refilled with fresh OAT coolant (conforming to MS.90032), by an authorized dealer as soon as possible.

(Continued)

CAUTION!

- Do not use water alone or alcohol-based engine coolant (antifreeze) products. Do not use additional rust inhibitors or antirust products, as they may not be compatible with the radiator engine coolant and may plug the radiator.
- This vehicle has not been designed for use with propylene glycol-based engine coolant (antifreeze). Use of propylene glycol-based engine coolant (antifreeze) is not recommended.

CHASSIS FLUIDS AND LUBRICANTS

Component	Fluid, Lubricant, or Genuine Part
Automatic Transmission	Use only Mopar® ZF 8 & 9 Speed ATF Automatic Transmission Fluid, or equivalent. Failure to use the correct fluid may affect the function or performance of your transmission.
Transfer Case – 48-11 Active On-Demand 2-speed Transfer Case (With 4WD AUTO)	We recommend using Mobil Fluid LT.
Transfer Case – 48-12 Part Time 2-Speed Transfer Case (Without 4WD AUTO)	We recommend using Shell Spirax S2 ATF A389.
Front Axle	We recommend using Mopar® GL-5 Synthetic Axle Lubricant SAE 75W-85.
Rear Axle (3.21/3.55)	We recommend using Mopar® Synthetic Gear Lubricant SAE 75W-90 (MS-A0160). Limited-Slip Rear Axles require the addition of 5 oz. (148 ml) Mopar® Limited Slip Additive (MS-10111).
Rear Axle (3.92)	We recommend using Mopar® Synthetic Gear Lubricant SAE 75W-140 (MS-8985). Limited-Slip Rear Axles require the addition of 5 oz. (148 ml) Mopar® Limited Slip Additive (MS-10111).
Max Tow Rear Axle (3.92)	We recommend using Dana SAE 80W90 Axle Lubricant.
Brake Master Cylinder	We recommend using Mopar® DOT 3 Brake Fluid, SAE J1709. If DOT 3 is not available, then DOT 4 is acceptable. If using DOT 4 brake fluid, the fluid must be changed every 24 months regardless of mileage.

CUSTOMER ASSISTANCE

CUSTOMER ASSISTANCE

FCA International Operations LLC and its authorized dealers are vitally interested in your satisfaction. We want you to be happy with our products and services.

Warranty service must be done by an authorized dealer. We strongly recommend that you take the vehicle to an authorized dealer for non-warranty service as well. FCA International Operations LLC's authorized dealers have the facilities, factory-trained technicians, special tools, and the latest information to ensure the vehicle is fixed correctly and in a timely manner.

If your authorized dealer is unable to resolve the concern, you may contact an FCA International Operations LLC Customer Assistance center.

Any communication to an FCA International Operations LLC Customer Assistance center should include the following information:

- Owner's name and address
- Owner's telephone number (home, mobile, and office)
- Authorized dealer name
- Vehicle Identification Number (VIN)
- Vehicle delivery date and mileage

FCA INTERNATIONAL OPERATIONS LLC

Here are the contact details of the FCA Middle East Customer Care Center, that can help you wherever you happen to be:

Email: customercare-me@stellantis.com

T: +9714 600 56 5561

Operation Hours:

Sunday – Thursday, 9:00 a.m. – 6:00 p.m. (UAE Timing, excluding public holidays)

TOWING SERVICE

If your vehicle requires towing due to a defect covered under the Basic Limited Warranty, contact an authorized repairer. Provide your name, Vehicle Identification Number (VIN), license plate number, and your location, including the telephone number from which you are calling. Briefly describe the nature of the problem and answer a few simple questions.

NOTE:

Off-road recovery is not covered by the Basic Limited Warranty!

SERVICE CONTRACT

Mopar® Vehicle Protection Plans offer valuable protection against repair costs when these warranties no longer apply. They complement but do not replace the warranty coverages out-lined in this booklet. A variety of plans are available, covering various time-and-mileage periods and various groups of the vehicle's mechanical components. Mopar® Vehicle Protection plans are the ONLY vehicle extended protection plans authorized, endorsed and backed by FCA International Operations LLC to provide additional protection beyond your vehicle's warranty. Look for our brand logo and ask an authorized dealer.

WARRANTY INFORMATION

Refer to the Auto Biography Warranty and Maintenance Log for your vehicle's warranty information.

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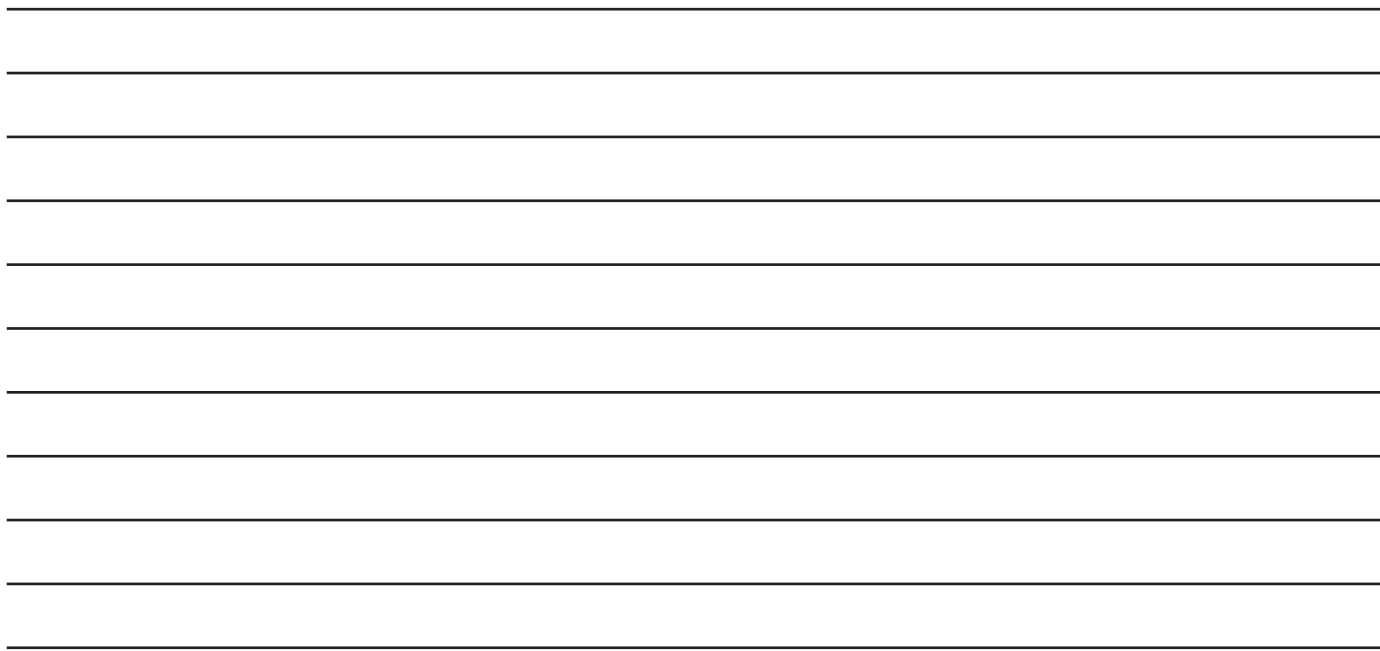
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R**Radio** (الراديو)

٢٥٠ إعداد الصوت

٢٢٩ الإعدادات

٢٧٥ صفحات الطرق غير الممهدة

U٢٢٩ **Uconnect** (راديو)٦٩ **USB****F****Forward Collision Warning** (تحذير بشأن

٢٩٥ التصادم الأمامي)

H**Hill Start Assist** (مساعد بدء التشغيل على

٢٨٦ المرتفعات)

P١٤٦ **Paddle Shifters** (أنزع التبديل)٣٠ **Passive Entry** (الدخول غير النشط)١١٢ **Performance Features** (مميزات الأداء)**A**١٣٢ **AutoPark****C**٢٢٩ **Cybersecurity****D**٤٩ .. **Daytime Running Lights** (أضواء النهار)

نظام ParkSense الخلفي والامامي	١٨٢	مستوى سائل التبريد	٣٧١, ٣٧٣	موقع العمود الفاصل بين النوافذ (B)	٣٩٣
نظام ParkSense الخلفي	١٨٢	نقاط يلزم تذكرها	٣٧٣	ميزة الاستجابة المعززة في الحوادث	٣٢٠, ٣٥٥
نظام Sentry Key (منع تشغيل المحرك)	٢٣	نظام التحكم الإلكتروني في الفرامل	٢٨١	ميزة الحركة والتشغيل من دون مفتاح	
نظام Uconnect		نظام الفرامل المانعة للانغلاق	٢٨٠	Keyless Enter'n Go™	٣٠, ١٣٤
إعدادات نظام Uconnect	٢٢٩	نظام تخفيف الانقلاب الإلكتروني	٢٨٢, ٢٨٩	Passive Entry (الدخول غير النشط)	٣٠
نظام Uconnect 4C/4C Nav مزود بشاشة		نظام التحكم في الاستقرار الإلكتروني (ESC)	٢٨٢	ميزة موفر طاقة البطارية	٥٢
عرض بحجم 8.4 بوصات	٢٢٩	نظام التحكم في الفرامل	٢٨١	ناقل الحركة	١٤١
نظام Uconnect 4C Nav مزود بشاشة		نظام التحكم في تحديد السرعة	١٥٥, ٢٨٧	التشغيل التلقائي	١٤١, ٣٧٤
عرض بحجم 12 بوصة	٢٢٩	نظام التعرف على الصوت (VR)	٤٢	السائل	٤١٠
نقل الحيوانات الأليفة	٣٣٤	نظام الدخول، الإضاءة	٥٤	الصيانة	٣٧٤
هيكل السيارة	٤٠١	نظام العادم	٣٣٦, ٣٧٠	تغيير التروس	١٤٠
وامضات التحذير من الخطر	٣٣٧	نظام العرض بمستوى الرأس (HUD)	١١٥, ١١٧	ناقل الحركة الأوتوماتيكي	١٤١, ٣٧٥
وامض التحذير من الخطر رباعي الاتجاه	٣٣٧	نظام الفحص الذاتي	١٣٠	إضافة السائل	٣٧٥
وحدة التحكم في السرعة الثابتة المهيئنة (ACC)		نظام الفرامل	٣٧٤, ٤٠٥	المواد المضافة الخاصة	٣٧٤
(التحكم في السرعة)	١٧٣, ١٧١	الأسطوانة الرئيسية	٣٧٤	تغيير السائل	٣٧٥
وحدة التحكم في تارجح المقطورة	٢٨٩	التوقف	١٣٧	تغيير السائل والفلتر	٣٧٥
وحدة التحكم في تارجح المقطورة (TSC)	٢٨٩	ضوء التحذير	١٢١	فحص مستوى السائل	٣٧٤, ٣٧٥
وزن اللسان/وزن المقطورة	٢٠٥, ٢٠٧	فحص السائل	٣٧٤	نوع السائل	٣٧٥
وزن المقطورة	٢٠٧	نظام الفرامل المانعة للانغلاق (ABS)	٢٨٠	نصائح السلامة	٣٣٣
وزن المقطورة الإجمالي	٢٠٥	نظام الماسحات الحساسة للمطر	٥٥	نظام الأمان	٢٨, ١٢٣
وضع الحماية لنقل الحركة الأوتوماتيكي	١٤٤	نظام بدء التشغيل عن بُعد	٢٥	نظام الإطار منخفض الضغط	٢٩٨
وضع موفر طاقة البطارية لتقليل الحمل	١١٩	نظام تثبيت الأطفال	٣٢٢	نظام التبريد	٣٧١
وضع Tow/Haul (السحب/الجر)	١٤٥	نظام تحذير المشاة	٢٩٧	إضافة سائل التبريد (مانع التجمد)	٣٧٢
وقود الميثانول	٤٠٧	نظام ترابط الفرامل/ناقل الحركة	١٤١	اختيار سائل التبريد (مانع التجمد)	٣٧١, ٤٠٨, ٤٠٩
وميض التجاوز	٥٠	نظام ترابط وضع التوقف مع مفتاح التشغيل	١٤١	التخلص من سائل التبريد المستخدم	٣٧٢
		نظام قفل المحور	١٦٦	التصريف والغسل وإعادة التعبئة	٣٧١
		نظام مراقبة ضغط هواء الإطار	٢٩٨	الفحص	٣٧٣
		نظام مساعد الفرامل	٢٨١	سعة سائل التبريد	٤٠٨
		نظام مكيف الهواء	٦٢, ٣٦٥	غطاء الرادياتير	٣٧٢
		نظام LaneSense	١٩١	غطاء ضغط	٣٧٢

٢٨٦	مساعد بدء التشغيل على المرتفعات	٧٠	مأخذ الطاقة الكهربائية	٩٣	الإزالة
٤١١	مساعدة الصيانة	٧١	مأخذ المحول (115 فولت)	٩٨	التنظيف
٤١١	مساعدة العملاء	٥٤	ماسحات الزجاج الأمامي	٩٥	تنشيت
٥٢	مساعد تغيير الحارة	٤١	ماسكة حقبة البقالة	٣٧٢	غطاء ضغط سائل التبريد (غطاء الرادياتير)
٤٠٥	مسامير/صواميل العجلات	٣٧١, ٤٠٨	مانع التجمد (سائل تبريد المحرك)		فتح الأبواب عن بُعد من دون مفاتيح
٤١	مساند الرأس	٣٧٢	التصريف	٢١	إنذار الارتياح
١١٩	مستشعر البطارية الذكي لتقليل الحمل	٩٩, ١٠١, ١٠٤, ١٠٦	مجموعة أجهزة القياس	٢٣	برمجة حافظات مفاتيح إضافية
١٣	مسرد الرموز	١٠٩	المحرك إعادة ضبط الزيت	١٣٦, ١٣٧	فترة تليين السيارة الجديدة
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٢٠٤	معدل الوزن الإجمالي للسيارة (GVWR)		مجموعة أجهزة القياس شاشة عرض	٣٣٥	فحوص السلامة داخل السيارة
٢٠٥	معدل الوزن الإجمالي لمحور الدوران	١١٤	الرحلة	٣٣٤	فرامل التوقف
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٥٤	مفتاح التحكم في التعتيم	١١٠	عداد السرعة		فلتر مكيف الهواء
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٢١١	مفتاح التحكم في فرامل المقطورة المدمجة	١١٠	Driver Assist (مساعد السائق)		تشغيل سيارة ذات بطارية ضعيفة بتوصيلها
٧٦	مفتاح قفل النوافذ	١١١	StopStart (الإيقاف/بدء التشغيل)	٣٤٨	بطارية أخرى
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٩٠	مقسم السطح	١١١	Vehicle Info (معلومات السيارة)	٣٣٧	قضبان الاستعمالات المختلفة لمنطقة الحموله الخلفية
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مساعدة العملاء

ملاحظة:

لا يغطي الضمان الأساسي المحدود سحب السيارة من الطرق غير الممهدة!

عقد الصيانة

توفر خطط حماية السيارة Mopar® حماية قيمة من تكاليف الإصلاح عندما تصبح تلك الضمانات غير منطقية. إنها تُكمل تغطيات الضمان الواردة في هذا الكتيب ولكنها لا تحل محلها. تتوفر مجموعة متنوعة من الخطط، التي تغطي العديد من الفترات المحددة بالوقت والمسافة المقطوعة بالميل ومجموعات متنوعة من المكونات الميكانيكية بالسيارة. تُعدّ خطط Mopar® Vehicle Protection الخطط الوحيدة للحماية الممتدة للسيارة المصرح بها والمُصدّق عليها والمعتمدة من شركة FCA International Operations LLC لتوفير حماية إضافية خارج ضمان السيارة. ابحث عن شعار علامتنا التجارية واسأل وكيلًا معتمدًا.

معلومات الضمان

راجع ضمان تاريخ السيارة وسجل الصيانة للحصول على معلومات بشأن ضمان سيارتك.

FCA INTERNATIONAL OPERATIONS LLC

إليك تفاصيل جهة الاتصال لمركز رعاية العملاء في شركة FCA Middle East الذي يمكنه مساعدتك أينما كنت:

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ساعات العمل:

من الأحد إلى الخميس، من الساعة 9:00 صباحًا حتى 6:00 مساءً (بتوقيت الإمارات العربية المتحدة، باستثناء أيام الأعياد الرسمية)

خدمة القطر

إذا احتاجت السيارة إلى السحب بسبب عيب يغطي الضمان الأساسي المحدود، فاتصل بجهة الإصلاح المعتمدة لديك. قدم اسمك، ورقم تعريف السيارة (VIN)، ورقم لوحة السيارة، وموقعك، بما في ذلك رقم الهاتف الذي تتصل منه. صف طبيعة المشكلة بإيجاز وأجب على بعض الأسئلة البسيطة.

مساعدة العملاء

تهتم شركة FCA International Operations LLC ووكيلها المعتمد كثيرًا بنيل رضاك. إننا نرغب في أن تكون سعيدًا بمنتجاتنا وخدماتنا.

يجب إجراء خدمة الضمان بواسطة الوكيل المعتمد. كما نوصي بشدة بأن تأخذ السيارة إلى وكيل معتمد لإجراء الخدمة غير المغطاة بالضمان كذلك. يمتلك الوكلاء

المعتمدون لشركة FCA International Operations LLC المرافق والفنيين المدربين بالمصنع والأدوات الخاصة وأحدث المعلومات لضمان إصلاح السيارة بطريقة صحيحة وفي الوقت المحدد.

إذا تعذر على الوكيل المعتمد حل المشكلة، يمكنك الاتصال بمركز خدمة عملاء شركة FCA International Operations LLC.

يجب أن تتضمن أية مراسلة لمركز خدمة العملاء التابع لشركة FCA International Operations LLC المعلومات التالية:

- اسم المالك وعنوانه
- رقم هاتف المالك (المنزل والمحمول والمكتب)
- اسم الوكيل المعتمد
- رقم تعريف السيارة VIN
- تاريخ تسليم السيارة وعدد الأميال المقطوعة

زيوت تشحيم وسوائل الشاسيه

المكون	السوائل أو زيوت التشحيم أو قطع الغيار الأصلية
ناقل الحركة الأوتوماتيكي	استخدم فقط سائل ناقل الحركة الأوتوماتيكي Mopar® ZF 8 & 9 Speed ATF أو ما يعادله. حيث يمكن أن يؤثر عدم استخدام السائل الصحيح على وظيفة ناقل الحركة أو أدائه.
علبة النقل – علبة نقل 11-48 ذات سرعتين تنشط عند الطلب (مع نطاق الدفع الرباعي الأوتوماتيكي (4WD AUTO))	نوصي باستخدام Mobil Fluid LT
علبة النقل – علبة نقل 12-48 ذات سرعتين تعمل بصورة جزئية (بدون نطاق الدفع الرباعي الأوتوماتيكي (4WD AUTO))	نوصي باستخدام Shell من Spirax S2 ATF A389.
المحور الأمامي	ننصح باستخدام زيت تشحيم GL-5 التركيبى للتروس ومحور الدوران من Mopar® والمتوافق مع معايير SAE 75W-85.
المحور الخلفي (3.21/3.55)	ننصح باستخدام زيت التشحيم التركيبى للتروس من Mopar® والمتوافق مع معايير SAE 75W-90 (MS-A0160). تتطلب المحاور الخلفية المحدودة الانزلاق إضافة 148 ملل (5 أونصات) من مادة Mopar® Limited Slip Additive الإضافية المحدودة الانزلاق (MS-10111).
المحور الخلفي (3.92)	ننصح باستخدام زيت التشحيم التركيبى للتروس من Mopar® والمتوافق مع معايير SAE 75W-140 (MS-8985). تتطلب المحاور الخلفية المحدودة الانزلاق إضافة 148 ملل (5 أونصات) من مادة Mopar® Limited Slip Additive الإضافية المحدودة الانزلاق (MS-10111).
الحد الأقصى لسحب المحور الخلفي (3.92)	نوصي باستخدام زيت تشحيم المحور Dana SAE 80W90.
الأسطوانة الرئيسية (الفرامل)	ننصح باستخدام سائل الفرامل Mopar® DOT 3 وSAE J1709. في حالة عدم توفر سائل DOT 3، يكون DOT 4 مقبولا. إذا كنت تستخدم سائل الفرامل DOT 4، فيجب تغيير السائل كل 24 شهرًا بغض النظر عن عدد الأميال المقطوعة.

السوائل وزيت تشحيم المحرك

المكون	السوائل أو زيوت التشحيم أو قطع الغيار الأصلية
سائل تبريد المحرك	نوصي باستخدام سائل مانع التجمد/سائل التبريد Mopar® تركيبة OAT (تقنية المواد العضوية المضافة) الذي يتم تغييره كل 10 سنوات/240000 كم (150000 ميل).
وحدة مولد المحرك - محرك 3.6 لترات (إذا كانت السيارة مزودة بذلك)	نوصي باستخدام سائل مانع التجمد/سائل التبريد Mopar® تركيبة OAT (تقنية المواد العضوية المضافة) الذي يتم تغييره كل 10 سنوات/240000 كم (150000 ميل).
زيت المحرك - محرك بسعة 3.6 لترات/5.7 لترات	ننصح باستخدام زيت المحرك التركيبي بالكامل SAE 0W-20 من Mopar® والذي يفي بمتطلبات معيار المواد MS-6395 للشركة المُصنّعة. يمكن استخدام زيت المحرك الاصطناعي بالكامل SAE 0W-20 المكافئ، ولكن يجب أن يحمل العلامة التجارية API Starburst صفة ٣٦٢.
زيت المحرك - محرك سعة 6.2 لترات	للوصول إلى أعلى معدلات الأداء وأقصى حماية ممكنة في جميع أنواع ظروف التشغيل، نوصي الجهة المُصنّعة باستخدام زيوت المحرك التركيبية بالكامل 0W-40 التي تتوافق مع متطلبات معيار المواد رقم MS-A0921 أو ACEA A1/B1 فقط مثل Mopar® أو Shell Helix أو ما يكافئه من زيوت المحرك.
اختيار الوقود - المحرك سعة 3.6 لترات	رقم أوكتان البحث (RON) هو 91.
اختيار الوقود - المحرك سعة 5.7 لترات	رقم أوكتان البحث (RON) هو 95-91. نوصي الجهة المُصنّعة باستخدام رقم أوكتان البحث (RON) 95 للحصول على أفضل أداء.
اختيار الوقود - المحرك سعة 6.2 لترات	يعد رقم أوكتان البحث (RON) 95 أو أحدث - رقم أوكتان البحث (RON) 98 هو المفضل.

تنبيه!

- قد يترتب على خلط سائل تبريد المحرك (مانع التجمد) بمادة تبريد أخرى غير سائل تبريد المحرك (مانع التجمد) ذي تقنية الإضافات العضوية (OAT) المحدد تلف المحرك واحتمال انخفاض الوقاية من التآكل. سائل تبريد المحرك ذي تقنية الإضافات العضوية (OAT) مختلف ويجب ألا يتم خلطه مع سائل تبريد المحرك ذي تقنية المواد العضوية المضافة المهجنة (HOAT) (مانع التجمد) أو أي سائل تبريد "متوافق عالميًا" (مانع التجمد). في حال توفير سائل تبريد غير سائل التبريد ذي تقنية المواد العضوية المضافة (OAT) (مانع التجمد) في نظام التبريد بالحالات الطارئة، سيحتاج نظام التبريد إلى التصريف والشطف وإعادة تعبئته بسائل تبريد جديد ذي تقنية المواد العضوية المضافة (OAT) (متوافق مع MS.90032)، بواسطة وكيل معتمد في أقرب وقت.
- لا تستخدم الماء العادي فقط أو منتجات سائل تبريد المحرك (مانع التجمد) ذات أساس كحولي. لا تستخدم مواد مانعة للصدأ إضافية أو منتجات مقاومة للصدأ، حيث إنها قد لا تتوافق مع سائل تبريد الراديئات، وقد تسد الراديئات.
- هذه السيارة غير مصممة بحيث يمكن استخدام سوائل تبريد المحرك (مانع التجمد) التي تستند إلى قاعدة من بروبيلين الجليكول. لا يُوصى باستخدام سوائل تبريد المحرك (مانع التجمد) التي تستند إلى قاعدة من بروبيلين الجليكول.

تعديلات نظام الوقود بالغاز الطبيعي المضغوط (CNG) والبروبان السائل (LP)

يمكن أن تؤدي التعديلات التي تسمح للمحرك بالعمل مستخدماً الغاز الطبيعي المضغوط (CNG) أو البروبان السائل (LP) إلى تلف المحرك ونظام الانبعاثات ومكونات نظام الوقود. لا تتحمل الجهة المُصنِّعة المشكلات الناتجة عن التشغيل بالغاز الطبيعي المضغوط (CNG) أو البروبان السائل (LP) وقد تتسبب في إبطال ضمان السيارة الجديدة المحدود.

سعات السوائل

Metric (النظام المترى)	US (الولايات المتحدة)	
الوقود (تقريبي)		
طراز 1500 Regular Cab ذو السطح القصير/Crew Quad Cab	23 جالوناً	87 لترات
طراز 1500 Regular Cab ذو السطح القصير/Crew Quad Cab	26 جالوناً	98 لترات
طراز 1500 Regular Cab ذو السطح الطويل/Crew Quad Cab Models (اختياري)/موديل TRX	33 جالوناً	124,9 لترات
زيت المحرك مع الفلتر		
المحرك سعة 3.6 لترات	5 كورات	4,7 لترات
محرك سعة 5.7 لترات	7 كورات	6,6 لترات
محرك بسعة 6.2 لتر (بعد تصريف مبرد الزيت)	7,5 كورات	7,1 لترات
نظام التبريد		
المحرك سعة 3.6 لترات	12,8 كورات	12,1 لترات
وحدة مولد المحرك 3.6 لترات	1,8 كورات	1,7 لترات
محرك سعة 5.7 لترات	17,5 كورات	16,6 لترات
محرك سعة 6.2 لترات	18,7 كورات	17,7 لترات
مبرد بيني للمحرك سعة 6,2 لتر	3,75 كورات	3,55 لترات

تركيب بونيل ميثيلسايكلوبنتادينيل المنجنيز (MMT)

إن مادة MMT هي مادية إضافية معدنية تحتوي على المنجنيز يتم خلطها في بعض أنواع البنزين لزيادة رقم الأوكتان. لا يوفر البنزين الذي يتم خلطه بمادة MMT أي ميزة عن البنزين الذي له نفس رقم الأوكتان بدون مادة MMT. يقلل البنزين الذي يتم خلطه بمادة MMT من عمر شمعات الإشعال ويقلل أداء نظام الانبعاثات في بعض السيارات. توصي الشركة المصنعة باستخدام البنزين بدون مادة MMT في سيارتك. قد لا يُشار إلى محتوى MMT

في البنزين على مضخة البنزين، ولذلك يجب عليك سؤال مزود البنزين عما إذا كان البنزين يحتوي على مادة MMT.

البنزين المعدل

تتطلب العديد من مناطق البلاد استخدام بنزين نظيف الاحتراق، والذي يطلق عليه اسم "البنزين المعدل". يحتوي البنزين المعدل على مواد مؤكسجة يتم خلطها بشكل خاص لتقليل انبعاثات السيارة وتحسين جودة الهواء.

يُوصى باستخدام البنزين المعدل. يوفر البنزين المعدل المخلوط بشكل صحيح أداءً أفضل وقدرة تحمل للمحرك ومكونات نظام الوقود.

لا تستخدم الوقود E-85 مع السيارات التي لا تدعم الوقود المُحسّن

تتوافق سيارات الوقود غير المرن (FFV) مع البنزين الذي يحتوي على ما يصل إلى 15% إيثانول (E-15). قد يتسبب استخدام البنزين الذي يشتمل على نسبة عالية من الإيثانول في إلغاء ضمان السيارة الجديدة المحدود. في حالة تزويد السيارة ذات الوقود غير المرن بوقود E-85 دون قصد، سيتعرض المحرك لبعض هذه الأعراض أو جميعها:

- التشغيل في وضع الاحتراق القليل.
- ضوء مؤشر العطل قيد التشغيل في نظام الفحص الذاتي (OBD II).
- الأداء السيئ للمحرك.
- بدء التشغيل البارد وإمكانية القيادة الباردة.
- الخطر المتزايد لتصحيح مكون نظام الوقود.

الإيثانول

تُوصي الجهة المُصنّعة بتشغيل سيارتك باستخدام وقود لا يحتوي على أكثر من 15% من الإيثانول. إن شراء الوقود الخاص بك من مورد يتمتع بسمعة جيدة قد يقلل مخاطرة تجاوز حد 15% و/أو تلقي وقود بخصائص غير طبيعية. يجب أيضًا ملاحظة أنه من المتوقع زيادة استهلاك الوقود عند استخدام وقود مخلوط بالإيثانول بسبب ضعف محتوى الطاقة بالإيثانول. لا تقع مسؤولية المشاكل التي تنتج عن استخدام الميثانول/البنزين أو مزيج الإيثانول E-85 مع مركبات أخرى على الجهة المصنعة.

تنبيه!

قد يؤدي استخدام وقود يحتوي على إيثانول أعلى من 15% إلى حدوث عطل في المحرك وصعوبات في بدء التشغيل وأثناء التشغيل وتخلل المواد. وقد يؤثر ذلك عكسيًا ويتسبب في تلف دائم بسيارتك.

بنزين الهواء النقي

يتم الآن مزج العديد من أنواع البنزين للمساهمة في هواء أنظف في المناطق التي ترتفع فيها مستويات تلوث الهواء بشكل خاص. توفر هذه التوليفات الجديدة وقودًا أنظف احترامًا، ويشار إلى بعضها باسم "البنزين المعاد تركيبه". تدعم الشركة المصنعة هذه الجهود نحو هواء أنظف. يمكننا المساعدة باستخدام هذه الخلطات عندما تصبح متاحة.

تم تصميم هذا المحرك ليعمل باستخدام بنزين خالي من الرصاص عالي الجودة برقم أوكتان البحث (RON) 95 أو أعلى. تُوصي الجهة المُصنّعة باستخدام رقم أوكتان البحث 98 للحصول على أفضل أداء.

الميثانول

(الميثيل أو كحول الميثيل) يستخدم في تركيزات مختلفة عند خلطها بالبنزين الخالي من الرصاص. قد تتوفر أمامك أنواع وقود تحتوي على نسبة 3% أو أكثر من الميثانول إضافة لمواد كحولية أخرى تسمى المذيبات. لا تقع مسؤولية المشاكل التي تنتج عن استخدام الميثانول/البنزين مع مركبات أخرى على الجهة المصنعة. على الرغم من أن مادة ميثيل ثلاثي بيوتيل الإيثير (MTBE) هي مادة مؤكسدة مصنوعة من الميثانول، فإنها ليست لها الآثار السلبية للميثانول.

تحذير!

لا تستخدم البنزين المحتوي على الميثانول. قد يؤدي استخدام هذه المركبات إلى مشاكل في بدء التشغيل والقيادة وقد يؤدي إلى تلف مكونات حساسة في نظام الوقود.

الوقود المتطلبات

عند التشغيل مع استخدام بنزين ذو رقم الأوكتان الموضح، لن يكون سماع صوت خيط خفيف صادر من المحرك أمرًا يثير القلق. ولكن إذا سمعت صوت خيط شديد صادرًا عن المحرك، فعليكم مراجعة الوكيل على الفور. قد يتسبب استخدام بنزين ذو رقم أوكتان أقل من رقم الأوكتان الموصى به في تعطل المحرك، كما أن ضمان السيارة الجديدة المحدود لا يغطي هذا التلف ويُعتبر لاغيًا.

لا تعتبر فرقة الإشعال الخفيفة تحت سرعة محرك منخفضة ضارة لمحرك سيارتك. إلا أن الفرقة العالية المستمرة في سرعات المحرك العالية تؤدي إلى حدوث أضرار بالمحرك ويجب حينئذ صيانة المحرك على الفور. قد تؤدي النوعيات الرديئة من البنزين إلى مشاكل مثل صعوبة بدء التشغيل والتوقف المفاجئ والتشغيل المتقطع للمحرك. إذا لاحظت مثل هذه المشكلات، فجرب نوعًا آخر من البنزين قبل التفكير في إصلاح السيارة.

بالإضافة إلى استعمال بنزين غير ممزوج بالرصاص ذي رقم أوكتان مناسب يوصى باستعمال البنزين الذي يحتوي على عناصر نظيفة وعناصر إضافية مقاومة للتآكل وتوفر ثبوت المحرك. إن استعمال البنزين الذي يحتوي على هذه العناصر الإضافية يساعد على تقليل استهلاك الوقود وانبعاث الغازات ويحافظ على أداء ممتاز للسيارة.

قد تؤدي النوعيات الرديئة من البنزين إلى مشاكل مثل صعوبة بدء التشغيل والتوقف المفاجئ والتشغيل المتقطع للمحرك. إذا لاحظت مثل هذه المشكلات، فجرب نوعًا آخر من البنزين قبل التفكير في إصلاح السيارة.

المحرك سعة 3.6 لتترات

لا تستخدم وقود E-85 المحسن أو الوقود الذي يشتمل على خليط الإيثانول بنسبة أكبر من 15% في هذا المحرك.

صُمم هذا المحرك بحيث يراعي جميع القوانين المتعلقة بالانبعاثات الغازات وبحيث يوفر ترشيحًا كبيرًا في استهلاك الوقود وأداءً ممتازًا عند استعمال بنزين ذي جودة عالية خال من الرصاص مع أدنى معدل أوكتان (RON) وهو 91.

محرك سعة 5.7 لتترات

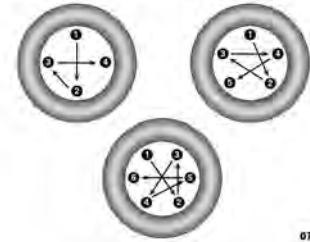
لا تستخدم وقود E-85 المحسن أو الوقود الذي يشتمل على خليط الإيثانول بنسبة أكبر من 15% في هذا المحرك.

صُمم هذا المحرك بحيث يتوافق مع جميع القواعد الخاصة بالانبعاثات، وهو يوفر ترشيحًا مرضيًا لاستهلاك الوقود وأداءً مرضيًا عند استخدام بنزين عالي الجودة خال من الرصاص ذي رقم أوكتان البحث (RON) وهو 91 إلى 95. يُوصى الجهة المُصنّعة باستخدام رقم أوكتان البحث (RON) 95 للحصول على أفضل أداء.

محرك فائق الشحن سعة 6.2 لتترات

لا تستخدم وقود E-85 المحسن أو الوقود الذي يشتمل على خليط الإيثانول بنسبة أكبر من 15% في هذا المحرك. لا يُسمح باستخدام إضافات الأوكتان المعززة في محرك فائق الشحن سعة 6.2 لتترات.

بعد مرور 40 كم (25 ميلًا)، افحص عزم صواميل/مسامير العجلات للتأكد من أن جميع صواميل/مسامير العجلات مثبتة بشكل صحيح في العجلات.



أربعة وخمسة وستة أنماط عزم لصواميل/مسامير العجلات

تحذير!

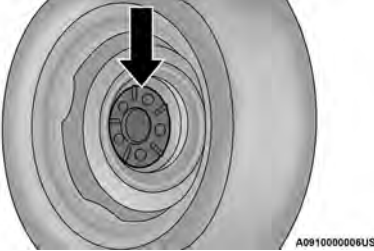
لتجنب مخاطر انزلاق السيارة عن الرافعة، لا تحكم ربط صواميل العجلات أو مساميرها تمامًا حتى يتم خفض السيارة. ويترتب على عدم اتباع هذا التحذير التعرض لإصابة جسيمة.

المواصفات الفنية

****لا تستخدم سوى مسامير/صواميل العجلات المُوصى بها من الوكيل المعتمد ونظف أو أزل أي أوساخ أو زيت بها قبل إحكام الربط.**

ملاحظة:

لا تقم بتزييت مسامير العجلة. بالنسبة للعجلات المصنوعة من الكروم، لا تستبدل صواميل العجلة المطلية بالكروم. افحص سطح تركيب العجلة قبل تركيب الإطار وقم بإزالة أي تآكل أو أجزاء مقطوعة.



سطح تركيب العجلة

أحكم ربط صواميل/مسامير العجلات على شكل نجمة بحيث يتم إحكام ربط كل صامولة/مسمار مرتين. تأكد من تعشيق المقيس بالكامل على صامولة/مسمار العجلة (لا تقم بإدخاله إلى المنتصف).

في حال فقدان أي من النظامين الهيدروليكيين الأمامي أو الخلفي قدرتهما العادية على الفرملة، فإن النظام الآخر يظل يعمل مع بعض فقدان لفعالية الفرملة. ويظهر ذلك بوضوح من خلال زيادة حركة دواسة الفرامل عند الضغط عليها، إلى جانب المجهود الكبير المطلوب لإبطاء السيارة أو إيقافها وتنشيط الضوء التحذيري بشأن الفرامل والضوء التحذيري بشأن نظام الفرامل المانعة للانغلاق (ABS) أثناء استخدام الفرامل.

مواصفات عزم العجلة والإطار

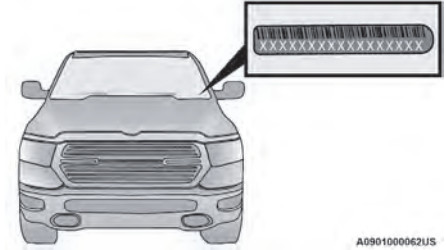
يعد العزم الصحيح لربط صامولة/مسمار العجلة ضروريًا جدًا لضمان تركيب العجلة في السيارة بشكل صحيح. وفي أي وقت يتم فك إحدى العجلات وإعادة تركيبها في السيارة، يجب ربط صواميل/مسامير العجلة باستخدام مفتاح عزم تمت معايرته بشكل صحيح باستخدام مقيس حائط عميق ذي ستة جوانب (سداسي).

مواصفات العزم

حجم مقبس صامولة/مسمار العجلة	**حجم صامولة/مسمار العجلة	نوع صامولة/مسمار العجلة	عزم ربط صامولة/مسمار العجلة
22 مم	M14 × 1.50	مخروطي	176 نيوتن·متر (130 قدم-رطل)

رقم تعريف السيارة (VIN)

يوجد رقم تعريف السيارة (VIN) على الركن الأمامي الأيسر من لوحة أجهزة القياس، ويمكن رؤيته عبر الزجاج الأمامي.



رقم تعريف السيارة

ملاحظة:

تعد إزالة رقم تعريف السيارة (VIN) أو إجراء أي تعديل عليه إجراء غير قانوني.

نظام الفرامل

في حالة فقد مساعدة الطاقة لأي سبب من الأسباب (مثلاً، الاستخدام المتكرر للفرامل مع وجود المحرك قيد إيقاف التشغيل)، ستستمر الفرامل في أداء عملها. لكنك ستواجه زيادة كبيرة في الجهد اللازم لفرملة السيارة.

ملاحظة:

إذا كانت السيارة مزودة بأجزاء مصنوعة من الجلد فاتح اللون، فإنها تظهر أي مواد غريبة أو أوساخ أو صبغة المواد القماشية بصورة أكثر من الأجزاء المصنوعة من جلود بألوان داكنة. تم تصميم الأجزاء الجلدية لتكون سهلة التنظيف، كما توصي الجهة المصنّعة بوضع منظف الجلود للتنظيف الكامل من Mopar® على قطعة قماش لتنظيف المقاعد الجلدية عند الحاجة.

تنبيه!
لا تستخدم الكحول ومنتجات التنظيف الكحولية و/أو الكيتونية لتنظيف الفرش الجلدي، حيث قد يؤدي ذلك إلى تلف الفرش.

الأسطح الزجاجية

ينبغي تنظيف جميع الأسطح الزجاجية بشكل منتظم باستخدام منظف الزجاج من Mopar® أو أي منظف تجاري منزلي مخصص لتنظيف الزجاج. لا تستخدم مطلقاً منظف من نوع خشن. انتبه عند تنظيف الجزء الداخلي من النافذة الخلفية المزودة بمزيلات صقيع النوافذ أو هوائيات الراديو. لا تستخدم مكاشط أو أي أدوات حادة أخرى من شأنها أن تخدش المكونات.

عند تنظيف مرآة الرؤية الخلفية، قم برش المنظف على المنشفة أو قطعة القماش التي تستخدمها. لا ترش المنظف مباشرة على المرآة.

تنبيه!

- قد لا يغطي الضمان المحدود للسيارة الجديدة التلف الناتج عن هذا النوع من المنتجات.

تنظيف عدسات مجموعة أجهزة القياس البلاستيكية

تم تصنيع العدسات الموجودة في مقدمة العدادات الموجودة في هذه السيارة من البلاستيك الشفاف. عند تنظيف العدسات، يجب التعامل بحرص لتجنب خدش البلاستيك. قم بالتنظيف باستخدام قطعة قماش ناعمة مبللة. يمكن استخدام محلول صابون متعادل؛ لكن لا تستخدم محتوى يتضمن تركيز عالي من الكحول، أو المنظفات شديدة التركيز. في حالة استخدام الصابون، قم بالتنظيف باستخدام قطعة قماش نظيفة مبللة. قم بالتجفيف بقطعة قماش ناعمة.

الأسطح الجلدية

يوصى باستخدام منظف توتال من Mopar® خصيصاً لتنظيف فرش التنجيد المصنوع من الجلد.

يمكن الحفاظ على فرش التنجيد المصنوع من الجلد بالتنظيف المنتظم بقطعة قماش رطبة. يمكن أن تخدش جزيئات الأوساخ الدقيقة فرش التنجيد المصنوع من الجلد، لذا ينبغي إزالتها بقطعة قماش رطبة. يمكن إزالة البقع العنيدة بسهولة باستخدام قطعة قماش ناعمة ومنظف "توتال" من موبار. ينبغي الحرص على تجنب تعرض فرش التنجيد المصنوع من الجلد لأي سائل لفترة طويلة. ويرجى عدم استخدام مواد التلميع أو الزيوت أو سوائل التنظيف أو المذيبات أو المطهرات أو المنظفات التي تستند إلى قاعدة من النشادر لتنظيف فرش التنجيد المصنوع من الجلد.

ملاحظة:

إذا انسحبت الأحزمة ببطة، فافحص حلقة التدوير العلوية فقد تجد أوساخًا في حالة وجود أوساخ، نظفها بقطعة قماش ناعمة مبللة حتى تتم إزالتها جميعًا.

تحذير!

قد ينقطع حزام الأمان البالي أو الممزق عند التصادم وتصبح من دون حماية. افحص نظام أحزمة الأمان بصورة دورية للتأكد من عدم وجود أجزاء مقطوعة أو ممزقة أو بالية. ويجب استبدال الأجزاء التالفة فورًا. لا تحاول فك نظام حزام الأمان أو إدخال التعديلات عليه. إذا تعرضت سيارتك لحادث تصادم أو إذا كانت لديك أي أسئلة تتعلق بحزام الأمان أو ظروف الية السحب، فتوجه بسيارتك إلى وكيل FCA معتمد أو إلى مركز برنامج الرعاية بعد الحوادث المعتمد من FCA لفحصها.

الأجزاء البلاستيكية والمغطاة

استخدم منظف توتال من Mopar® لتنظيف فرش التنجيد المصنوع من الفينيل.

تنبيه!

• قد يتسبب التعرض المباشر لمعطرات الهواء أو طارد الحشرات أو مستحضرات سمرة الشمس أو مطهرات الأيدي أو لمس الأسطح الداخلية البلاستيكية أو المطيية أو المزينة، في حدوث تلف دائم. قم بالمسح على الفور.

(تابع)

- بالنسبة لبقع الشحم، ضع منظف Mopar® متعدد الأغراض على قطعة قماش نظيفة ورطبة وقم بإزالة البقعة. استخدم فوطة جديدة رطبة لإزالة بقايا الصابون.
- لا تستخدم أي مذيبيات قوية أو أي أنواع أخرى من الواقيات على المنتجات المقاومة للصبغات.

تنظيف عجلة القيادة المصنوعة من جلد الشمواه - TRX

يتم الاكتفاء بإزالة الغبار من عجلة القيادة عن طريق استخدام فرشاة ذات شعيرات ناعمة أو قطعة قماش أو مكينة كهربائية بعناية. بعد إزالة الغبار، استخدم قطعة قماش قطنية بيضاء مبللة، ثم عصرها بالكامل، على عجلة القيادة. تجنب استخدام قطع القماش/الورق المطبوع والماص، لأنه يمكن أن يطلق الحبر على المواد. احرص جيدًا على تجنب بلل عجلة القيادة بشكل مفرط؛ اشطف قطعة القماش أو الإسفنجة وكرر العملية حسب الضرورة. اتركها لتجف (طوال الليل). عندما تصبح جافة، قم بتنظيفها برفق باستخدام فرشاة ذات شعيرات ناعمة، وذلك من أجل استعادة المادة.

صيانة أحزمة الأمان

لا تدهن أو تصبغ أو تنظف الأحزمة باستخدام مذيبيات أو منظفات شديدة. حيث إن ذلك يؤدي إلى تلف أنسجة الأحزمة.

وإذا تطلب الأمر تنظيف الأحزمة، فاستخدم محلول صابون متعادل أو ماء فاتر. لا تفك الأحزمة من السيارة لغسلها. قم بالتجفيف بقطعة قماش ناعمة.

قد يؤدي التلف الشمسي أيضًا إلى إضعاف الأنسجة. استبدل الأحزمة إذا كانت متآكلة أو بالية أو إذا لم تكن الإبريمات تعمل بطريقة صحيحة.

الأمر، يتطلب الأمر إجراء إصلاح تجميلي لتغطية المعدن المكشوف بسبب الخدش. ولإصلاح أي تمزق أو خدش، اتبع التوجيهات الواردة في مجموعة الإصلاح السريع Mopar® Quick Repair Kit.

الداخلية**المقاعد والأجزاء القماشية**

استخدم منظف توتال من Mopar® لتنظيف فرش التنجيد والسجاد.

تحذير!

لا تستخدم مذيبيات طيارة لأغراض التنظيف. وذلك لأن الكثير من تلك المذيبيات قابل للاشتعال، وفي حالة استخدامها في مناطق مغلقة قد تسبب ضيقًا في التنفس.

إجراء تنظيف الأقمشة Stain Repel - إذا كان مزودًا

يسهل تنظيف مقاعد Stain Repel بالطريقة التالية:

- قم بإزالة أكبر قدر ممكن من البقع عن طريق المسح بفوطة نظيفة وجافة.
- قم بمسح أي بقع باقية باستخدام فوطة نظيفة ورطبة.
- بالنسبة للبقع العنيدة، قم بوضع منظف توتال من Mopar® أو محلول صابون معتدلًا على قطعة قماش نظيفة رطبة وقم بإزالة البقعة. استخدم فوطة جديدة رطبة لإزالة بقايا الصابون.

في الطرق الترابية. لا تستخدم مواد كيميائية مركزة أو فرشاة صلبة. فقد تتسبب في تلف أو تصبغ الطلاء الوافي الذي يساعد على المحافظة عليها من التآكل والتشوه.

تنبيه!

- لا تستخدم البطانات الخشنة أو صوف الفولاذ أو فرشاة ذات شعر خشن أو مواد تلميع الأسطح المعدنية أو منظف الأفران. قد تتسبب تلك المنتجات في تلف السطح الوافي للمصد. لا يغطي ضمان السيارة الجديدة المحدود مثل هذا التلف. يوصى باستعمال صابون غسل السيارات أو منظف الكروم من Mopar® أو البدائل فقط.
- تجنب المنتجات أو طرق الغسل الأوتوماتيكية للسيارات التي تستخدم محاليل حمضية أو إضافات قلوية قوية أو فرش خشنة. قد تتسبب العديد من المنظفات التجارية وطرق الغسل الأوتوماتيكية للسيارات في تلف السطح الوافي للمصد. لا يغطي ضمان السيارة الجديدة المحدود مثل هذا التلف. يوصى باستعمال صابون غسل السيارات أو منظف الكروم من Mopar® أو البدائل فقط.

العناية الخاصة

- إذا كنت تقود السيارة على طرق مملحة أو متربة أو إذا قمت بقيادة السيارة بالقرب من المحيط، فصل محمل السيارة مرة واحدة شهرياً على الأقل.
- من الأهمية بمكان أن يتم المحافظة على نظافة وفتح فتحات التصريف الموجودة في الحواف السفلية للأبواب ولوحات الهزاز وصندوق الأمتعة.

- إذا عثرت على أي أحجار أو خدوش في الطلاء، فتخلص منها على الفور.
- إذا تعرضت للتلف نتيجة لوقوع حادث أو أمر شبيه بذلك مما أدى إلى تدمير الطلاء أو الطبقة الواقية، فقم بإصلاح السيارة بأسرع ما يمكن.
- إذا كانت السيارة تحمل شحنة خاصة مثل المواد الكيميائية أو المخصبات أو الملح المقاوم للثلوج، إلخ، فتأكد من تعبئة تلك المواد جيداً وعدم تسربها.
- في حالة قيادة المركبة لفترة طويلة على طرق مليئة بالحصى، قم بوضع واقيات ضد الأحجار أو الطين خلف كل عجلة.
- استخدم طلاء Mopar® Touch-Up على الخدوش على الفور. يتوفر لدى وكيلك المعتمد ألوان طلاء تتوافق مع لون سيارتك.

طلاء بطانة السطح – إذا كانت السيارة مزودة بذلك

أثناء فترة الملكية، يبهت لمعان وبريق طلاء بطانة السطح الشاحنة بسبب الأكسدة وأوساخ الطريق وعمليات سحب الأوزان الكبيرة والأوساخ التي تتضمن ماء عسر. وسيؤدي التعرض لعوامل التعرية والأشعة فوق البنفسجية إلى تلاشي الطلاء.

وللمساعدة على الحفاظ على مظهر طلاء بطانة السطح، توصي الشركة المصنعة بشطف سطح الشاحنة بانتظام من الأوساخ الرخوة وتنظيف الشاحنة مرتين على الأقل كل عام باستخدام غسول طلاء بطانة السطح Mopar® Spray-On Bedliner Conditioner المتوفر عند أي وكيل محلي معتمد.

للمساعدة في الحفاظ على مظهر طلاء بطانة السطح

1. اشطف سطح الشاحنة بالماء لإزالة أي أوساخ أو شوائب رخوة.
2. امزج صابوناً أو محلول تنظيف مخففاً بالماء. ثم ضع المحلول باستخدام قطعة قماش أو فرشاة ناعمة.
3. اشطف بطانة السطح بالماء.
4. وبعد أن يجف، ضع كمية صغيرة من غسول Mopar® Spray-On Bedliner Conditioner على فوطة أو إسفنجة رطبة وامسح سطح بطانة سطح الشاحنة بالكامل.

تحذير!

لا تستخدم منتجات حماية سليكونية لتنظيف بطانة السطح. فقد تصبح المنتجات السليكونية زلقة وقد تحدث إصابات شخصية.

طلاء بطانة السطح مقاوم كيميائياً لأنواع عديدة مختلفة من المواد الكيميائية (بما في ذلك البنزين والزيوت والسوائل الهيدروليكية) لفترات قصيرة. وإذا حدث أن انسكب شيء على طلاء بطانة السطح، فاشطف الشاحنة في أسرع ما يمكن لتجنب أي أضرار دائمة.

إصلاح طلاء بطانة السطح

بالرغم من قوته الشديدة، إلا أنه يمكن إتلاف طلاء بطانة السطح. ومن الحالات الشائعة تحميل منصة ثقيلة وسحب تلك المنصة على أرضية السطح. وفي حالة وجود سمار أو نقطة حادة أسفل وزن المنصة، فقد يحدث خدش أو تمزق. وبما أن ضمان السيارة الجديدة لا يغطي تلك

هيكل السيارة

الحماية من العوامل الجوية

تتنوع متطلبات العناية بهيكل السيارة تبعاً للمواقع الجغرافية وطريقة الاستخدام. تتصف المواد الكيماوية التي تسهل من عملية السير على الطرق في حالة تجمع الثلوج والجليد، وتلك المواد التي يتم رشها على الأشجار وأسطح الطرق أثناء المواسم الأخرى، بأنها مواد أكالة للمعادن الموجودة في السيارة. إن إيقاف السيارة في الخارج، حيث تتعرض السيارة للملوثات الهوائية، وأسطح الطرق التي يتم تشغيل السيارات عليها، والطقس شديد البرودة أو شديد الحرارة، وغيرها من الظروف الشديدة، يؤثر تأثيراً شديداً على الطلاء والتكوينات المعدنية والوقاية الداخلية. تساعدك التوصيات التالية المتعلقة بالصيانة على تحقيق أقصى فائدة من مقاومة التآكل المضمنة داخل السيارة.

ما الذي يؤدي إلى حدوث التآكل؟

التآكل هو نتاج تدهور الطلاء وطبقات البطانة الواقية أو تقشرها بالسيارة.

والأسباب الشائعة لحدوث ذلك هي:

- ملح الطريق والأوساخ وتجمع الرطوبة.
- تأثير الأحجار والحصى.
- الحشرات والأشجار والقطران.
- الملح الموجود في هواء المناطق القريبة من سواحل البحار.
- الملوثات الجوية / الصناعية.

صيانة الجزء السفلي من السيارة وهيكلها

تنظيف المصابيح الأمامية

سيارتك مزودة بمصابيح أمامية ومصابيح ضباب بلاستيكية والتي تتميز بخفة وزنها ومقاومتها الأكبر للكسر بسبب الأحجار مقارنة بالمصابيح التي تصنع من الزجاج. يختلف مستوى مقاومة البلاستيك للخدش عن الزجاج، وبالتالي يجب اتباع إجراءات تنظيف أخرى للعدسات. لتقليل احتمال خدش العدسات وبالتالي تقليل معدل الضوء الخارج، تجنب مسح العدسات بقطعة قماش جافة. لإزالة أوساخ الطريق، اغسل العدسات بمحلول صابون لطيف ثم اشطفها بالماء.

لا تستخدم مكونات تنظيف كاشطة أو مذيبيات أو صوف الفولاذ أو أي مواد كاشطة لتنظيف العدسات.

العناية بغطاء المقعد الخلفي الثلاثي الطي المرن

لتنظيف غطاء المقعد الخلفي الثلاثي الطي المصنوع من الفينيل وحمايته، استخدم منظف Whitewall & Vinyl Top Cleaner من Mopar® وواقي وملطف Leather and Vinyl Conditioner/Protectant من Mopar®.

المحافظة على هيكل السيارة

الغسل

- اغسل السيارة بانتظام. احرص دوماً على غسل السيارة في الظل باستخدام سائل غسل السيارات من Mopar® وصابون غسل معتدل للسيارات، واشطف اللوحات تماماً بالماء.

- إذا تجمعت الحشرات أو المخلفات المشابهة الأخرى على السيارة، فاستخدم مزيل الحشرات السوبر من Mopar® ومزيل القطران.

- استخدم منظفاً يحتوي على شمع مثل منظف Mopar® لإزالة أتربة الطريق والبقع ولحماية طلاء سيارتك. توخ الحذر حتى لا تخدش الطلاء.
- تجنب استخدام المركبات الخشنة التي قد تقلل من لمعان الطلاء، أو تؤدي إلى تدقيق الطبقة النهائية من الطلاء.

تنبيه!

- لا تستخدم مواد التنظيف القوية أو الخشنة مثل الصوف الصلب أو مسحوق الصقل، والتي تؤدي إلى خدش الأسطح المعدنية والمطلية.
- قد ينجم عن استخدام الغاسلات الكهربائية التي تتجاوز 8274 كيلوباسكال (1200 رطل/بوصة مربعة) في تلف أو إزالة الطلاء والملصقات.

العناية بالمصد/الواجهة

يتحمل العميل مسؤولية تنظيف وصيانة المكونات المصنوعة من الكروم في السيارة. اغسل مخلفات وأملاح الطريق لإزالتها باستخدام صابون سيارات. يجب تنظيف الواجهة/المصدات بصورة دورية باستخدام صابون مخفف (درجة حموضة متعادلة) والماء للحفاظ على بريقها ولمنع تآكلها.

تبقى الواجهة/المصدات عرضة للتدهور الذي يسببه الملح وكلوريد الصوديوم وكلوريد المغنسيوم وكلوريد الكالسيوم، إلخ، وغير ذلك من المواد الكيماوية الأخرى المستخدمة في الطرق لإذابة الجليد أو السيطرة على الغبار

ملاحظة:

إذا كنت تنوي إيقاف السيارة أو تخزينها لفترة طويلة بعد تنظيف العجلات باستعمال منظف العجلات، فقم بقيادة السيارة واستعمل الفرامل لإزالة قطرات المياه من مكونات الفرامل. سيعمل هذا الإجراء على إزالة الصدا الأحمر الموجود على المكونات الدوارة للفرامل ومنع اهتزاز السيارة عند الفرملة.

عجلات الكروم البخاري الداكن أو الكروم الأسود اللامع أو الطلاء الشفاف منخفض اللمعان

تنبيه!

إذا كانت السيارة مزودة بتلك العجلات الخاصة، فلا تستخدم المنظفات أو المواد الكاشطة أو مركبات التلميع للعجلة. فستؤدي إلى إتلاف الطلاء وهذا التلف لا يغطيه ضمان السيارة الجديدة المحدود. يجب استعمال الغسيل اليدوي فقط مع الصابون اللطيف وقطعة قماش ناعمة. تستخدم بشكل متكرر وهذا كل ما تحتاجه للمحافظة على الطلاء.

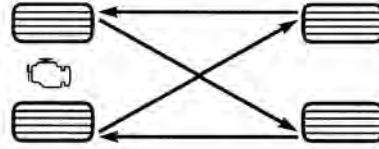
توصيات عن تغيير مواقع الإطارات

تعمل الإطارات الأمامية والخلفية للسيارة تحت أوزان مختلفة وتقوم بتأدية وظائف مختلفة لتوجيه السيارة وقيادتها وإيقافها. ولهذه الأسباب، فإنها تبلى بمعدلات غير متساوية.

ويمكن تقليل تلك المؤثرات بتغيير مواقع الإطارات بين فترة وأخرى. وتعتبر فوائد تغيير مواقع الإطارات ملموسة خاصة في الإطارات ذات المداسات العميقة كذلك التي

تستعمل في الإطارات الخاصة بكل الفصول. تغيير مواقع الإطارات يزيد من عمر مداسات الإطار ويساعدها في توفير سحب عال في الطين والتلج والمطر ويساهم في توفير قيادة مريحة وهادئة.

والطريقة الموصى بها لتغيير مواقع الإطارات هي «التقاطع الخلفي» كما هو موضح في الشكل. لا ينطبق نمط التدوير هذا على بعض الإطارات ذات الاتجاه الواحد التي يجب عدم عكس وضعها.



055703771

تغيير مواقع الإطارات (التقاطع الخلفي)**تخزين السيارة**

إذا كنت تقوم بتخزين السيارة لأكثر من ثلاثة أسابيع، فإننا ننصح باتخاذ الخطوات التالية لتقليل تصريف بطارية السيارة:

- فصل الكابل السالب عن البطارية.

- في أي وقت تقوم فيه بإيقاف السيارة أو تتوقف فيه عن استعمالها (أثناء عطلة مثلاً) لأسبوعين أو أكثر قم بتشغيل نظام مكيف الهواء أثناء تباطؤ المحرك لمدة 5 دقائق تقريباً في وضع الهواء النقي وعلى سرعة المروحة القصوى. إن القيام بذلك سيضمن تزييلاً مناسباً للنظام لتقليل إمكانية تلف جهاز الضغط عند إعادة تشغيل النظام.

وضع تخزين البطارية - TRX

أثناء وجود مفتاح التشغيل في وضع التشغيل مع عدم دوران المحرك، انتقل إلى صفحة قياس البطارية في شاشة عرض مجموعة أجهزة القياس، ثم اضغط مع الاستمرار على زر OK (موافق). ستكون السيارة في وضع تخزين البطارية، الذي سيزيد بصورة كبيرة من مقدار الوقت الذي يمكن أن تتوقف فيه السيارة ويتم إعادة تشغيلها فيه بدون الحاجة إلى فصل البطارية. سيزيد الانتقال إلى وضع تخزين البطارية من مقدار الوقت بين عمليات بدء التشغيل إلى نحو 60 يوماً.

ملاحظة:

لن تعمل أزرار حافظة المفاتيح عندما تكون السيارة في وضع تخزين البطارية. سيؤدي سحب مقبض الباب إلى تنشيط السيارة وسيسمح لها بالتعرف على حافظة المفاتيح لإلغاء قفل الباب.

تنبيه!
تجنب المنتجات أو طرق الغسيل الأوتوماتيكية للسيارات التي تستخدم محاليل حمضية أو إضافات قلبية قوية أو فرش خشنة. قد تسبب العديد من منظفات العجلات التجارية وطرق الغسيل الأوتوماتيكية للسيارات في تلف الطلاء الواقي للعجلة. لا يغطي ضمان السيارة الجديدة المحدود مثل هذا التلف. يوصى باستخدام صابون غسل السيارات أو منظف العجلات من Mopar® أو بدائلهما فقط.

عند تنظيف العجلات المتسخة تمامًا من الغبار الزائد والمتجمع حول الفرامل، يجب توخي الحذر في اختيار المواد الكيميائية والتجهيزات المستخدمة في تنظيف الإطارات والعجلات لمنع إتلاف العجلات. يوصى باستخدام مركبات معالجة العجلات من Mopar® أو منظفات الكروم من Mopar® أو بدائلها، أو يمكن اختيار منظف غير كاشط وغير حمضي لتنظيف العجلات المصنوعة من الكروم أو الألومنيوم.

تنبيه!
لا تستخدم إسفنجة التنظيف أو صوف الفولاذ أو الفرشاة ذات الشعيرات أو مواد التلميع المعدنية أو منظف الأفران. فقد تسبب هذه المنتجات في تلف الطلاء الواقي للعجلة. لا يغطي ضمان السيارة الجديدة المحدود مثل هذا التلف. يوصى باستخدام صابون غسل السيارات أو منظف العجلات من Mopar® أو بدائلهما فقط.

تحذير!
السائق. استبدل (أو أصلح) الإطار الأصلي في أول فرصة وأعد تركيبه في السيارة. يؤدي عدم القيام بذلك إلى فقدان السيطرة على السيارة.

العناية بالعجلة وحافتها

ينبغي تنظيف جميع العجلات وأعطيتها المركزية، وبخاصة العجلات المطبقة بطبقة من الألومنيوم والكروم، بانتظام باستخدام الصابون المتعادل (درجة حموضة متعادلة) والماء للحفاظ على بريقتها ولمنعها من التآكل. اغسل العجلات باستخدام محلول الصابون ذاته الموصى به لهيكل السيارة وتذكر الغسل دائمًا عندما لا تكون الأسطح ساخنة ويمكن لمسها.

تبقى العجلات عرضة للتآكل الذي تسببه مركبات الملح وكلوريد الصوديوم وكلوريد المغنسيوم وكلوريد الكالسيوم، إلخ، وغير ذلك من المواد الكيميائية الأخرى المستخدمة في الطرق لإذابة الجليد أو السيطرة على الغبار في الطرق الترابية. استخدم قطعة قماش ناعمة أو قطعة إسفنج وصابونًا متعادلًا للتنظيف الفوري. لا تستخدم مواد كيميائية مركزة أو فرشاة صلبة. فقد تسبب في إتلاف الطلاء الواقي للعجلة الذي يساعد على المحافظة عليها من التآكل والتشوه.

يجب استبدال الإطار الاحتياطي المؤقت ذو الحجم الكامل. ونظرًا لأنه لا يماثل الإطار الأصلي، فقم باستبدال (أو إصلاح) الإطار الأصلي وإعادة تركيبه في السيارة في أول فرصة.

الإطار الاحتياطي محدود الاستخدام - إذا كانت السيارة مزودة بذلك

يُستخدم الإطار الاحتياطي محدود الاستخدام في حالات الطوارئ بصفة مؤقتة فقط. ويتم تمييز هذا الإطار بملصق موجود بعجلة الإطار الاحتياطي محدود الاستخدام. ويحتوي هذا الملصق على القيود المتعلقة بالقيادة بالنسبة لهذا الإطار الاحتياطي. قد يبدو هذا الإطار مثل الإطار الأصلي المزود على محور الدوران الأمامي أو الخلفي للسيارة ولكنه ليس هو. يؤثر تركيب هذا الإطار الاحتياطي محدود الاستخدام على إمكانية التحكم في السيارة. ونظرًا لأنه لا يماثل الإطار الأصلي، فقم باستبدال (أو إصلاح) الإطار الأصلي وإعادة تركيبه في السيارة في أول فرصة.

تحذير!
حيث تم تصميم الإطارات الاحتياطية محدودة الاستخدام للاستخدام في الحالات الطارئة بصفة مؤقتة فقط. يؤثر تركيب هذا الإطار الاحتياطي محدود الاستخدام على إمكانية التحكم في السيارة. أثناء تركيب هذا الإطار، لا تعد السيارة بسرعة تتجاوز السرعات المقررة للعجلات الاحتياطية محدودة الاستخدام. احتفظ بنفخ الإطار على مستوى ضغط هواء الإطار البارد المذكور على ملصق معلومات الإطار والتحميل على العمود الفاصل بين النوافذ B جهة السائق أو على الحافة الخلفية لباب

(تابع)

الإطار الاحتياطي المطابق للإطار الأصلي والعجلة الأصلية - إذا كانت السيارة مزودة بذلك

قد تكون سيارتك مزودة بإطار احتياطي وعجلة احتياطية تشبه في الشكل والوظيفة الإطار والعجلة بالمعدة الأصلية والموجود في المحور الأمامي أو الخلفي بسيارتك. وقد يتم استخدام هذا الإطار الاحتياطي في عملية تغيير مواقع الإطارات. إذا كانت السيارة مزودة بهذا الخيار، فراجع وكيل الإطارات المعتمد للتعرف على نمط تغيير مواقع الإطارات الموصى به.

الإطار الاحتياطي الصغير — إذا كانت السيارة مزودة بذلك

تم تصميم الإطار الاحتياطي الصغير للاستعمال في الحالات الطارئة بصفة مؤقتة فقط. يمكنك معرفة ما إذا كانت السيارة مزودة بإطار احتياطي صغير بالنظر إلى وصف الإطار الاحتياطي الموجود بملصق معلومات الإطار والتحميل الموجود بفتحة باب السائق أو الجدار الجانبي للإطار. حيث تبدأ مواصفات الإطار الاحتياطي المضغوط بحرف "T" أو "S" يسبق علامة الحجم. مثال: T145/80D18 103M.

$S, T =$ إطار احتياطي مؤقت

وحيث إن العمر المتوقع لهذا الإطار قصير، يجب تصليح (أو تبديل) الإطار الأصلي وإعادة تركيبه بالسيارة في أقرب وقت ممكن.

ولا تتركب غلافًا للعجلة أو إطارًا أصليًا على عجلة الإطار الاحتياطي الصغير وذلك لأن العجلة مصممة خصيصًا للإطار الاحتياطي الصغير. لا تقم بتركيب أكثر من إطار وعجلة احتياطية صغيرة واحدة في السيارة في الوقت نفسه.

تحذير!

حيث قد تم تصميم الإطارات الاحتياطية الصغيرة والقابلة للطي للاستخدام في الحالات الطارئة بصفة مؤقتة فقط. وعند تركيب هذه الإطارات الاحتياطية لا تقد السيارة بسرعة تزيد عن 80 كم/ساعة (50 ميلًا/ساعة). إن الإطارات الاحتياطية المؤقتة لها عمر مداسات محدود. عند بلي المداسات والوصول إلى مؤشرات بلي المداسات، يجب استبدال الإطار الاحتياطي المخصص للاستخدام المؤقت. احرص على مراعاة التحذيرات التي تنطبق على الإطار الاحتياطي. وإن عدم القيام بذلك يمكن أن يؤدي إلى عطل الإطار الاحتياطي وفقدان السيطرة على السيارة.

الإطار الاحتياطي القابل للطي - إذا كانت السيارة مزودة بذلك

تم تصميم الإطار الاحتياطي القابل للطي للاستخدام في الحالات الطارئة بصفة مؤقتة فقط. يمكنك معرفة ما إذا كانت السيارة مزودة بإطار احتياطي قابل للطي بالنظر إلى وصف الإطار الاحتياطي على ملصق معلومات الإطار والتحميل الموجود بفتحة باب السائق أو الجدار الجانبي للإطار.

مثال لوصف الإطار الاحتياطي القابل للطي:

165/80-17 101P.

وحيث إن العمر المتوقع لهذا الإطار قصير، يجب تصليح (أو تبديل) الإطار الأصلي وإعادة تركيبه بالسيارة في أقرب وقت ممكن.

تحذير!

تم تصميم الإطارات الاحتياطية الصغيرة القابلة للطي للاستخدام في الحالات الطارئة بصفة مؤقتة فقط. وعند تركيب هذه الإطارات الاحتياطية لا تقد السيارة بسرعة تزيد عن 80 كم/ساعة (50 ميلًا/ساعة). إن الإطارات الاحتياطية المؤقتة لها عمر مداسات محدود. عند بلي المداسات والوصول إلى مؤشرات بلي المداسات، يجب استبدال الإطار الاحتياطي المخصص للاستخدام المؤقت. احرص على مراعاة التحذيرات التي تنطبق على الإطار الاحتياطي. وإن عدم القيام بذلك يمكن أن يؤدي إلى عطل الإطار الاحتياطي وفقدان السيطرة على السيارة.

الإطار الاحتياطي ذو الحجم الكامل - إذا كانت السيارة مزودة بذلك

تم تصميم الإطار الاحتياطي الصغير ذو الحجم الكامل للاستعمال في الحالات الطارئة بصفة مؤقتة فقط. قد يبدو هذا الإطار مثل الإطار الأصلي المزود على محور الدوران الأمامي أو الخلفي للسيارة ولكنه ليس هو. إن هذه الإطارات الاحتياطية قد يكون لها عمر مداسات محدود. عند بلي المداسات والوصول إلى مؤشرات بلي المداسات،

انفخ الإطار القابل للطي فقط بعد تركيب العجلة بشكل صحيح بالسيارة. انفخ الإطار القابل للطي باستخدام مضخة الهواء الكهربائية قبل خفض السيارة.

ولا تتركب غلافًا للعجلة أو إطارًا أصليًا على عجلة الإطار الاحتياطي القابل للطي وذلك لأن العجلة مصممة خصيصًا للإطار الاحتياطي القابل للطي.

أنواع الإطارات

إطارات جميع الفصول - إذا كانت السيارة مزودة بذلك

توفر إطارات جميع الفصول الجر في جميع الفصول (الربيع والصيف والخريف والشتاء). قد تتنوع مستويات الجر بين إطارات جميع الفصول المختلفة. يمكن التعرف على إطارات جميع الفصول من خلال تصميم M+S أو M&S أو M/S على الجدار الجانبي للإطار. استخدم إطارات جميع الفصول في مجموعات من أربعة إطارات حتى لا يؤثر ذلك عكسيًا على أمان السيارة وإمكانية التعامل معها.

إطارات الصيف أو الفصول الثلاثة — إذا كانت السيارة مزودة بذلك

توفر إطارات الصيف الجر في كل من الظروف الرطبة والجافة، وليست مخصصة للقيادة في الثلج أو الجليد. إذا كانت السيارة مزودة بإطارات الصيف، فينبغي الانتباه إلى أن هذه الإطارات ليست مصممة للقيادة في الشتاء أو ظروف القيادة في الطقس البارد. قم بتركيب إطارات الشتاء في سيارتك عندما تكون درجات حرارة المحيطة أقل من 5 درجات مئوية (40 درجة فهرنهايت) أو إذا كانت الطرق مغطاة بالجليد أو الثلج. للتعرف على مزيد من المعلومات، اتصل بالوكيل المعتمد.

لن تتضمن إطارات الصيف تصميم إطارات جميع الفصول أو رمز الجبل/الرقاقة الثلجية على الجدار الجانبي للإطار. استخدم إطارات الصيف في مجموعات من أربعة إطارات حتى لا يؤثر ذلك عكسيًا على أمان السيارة وإمكانية التعامل معها.

تحذير!

لا تستخدم إطارات الصيف في ظروف الجليد/الثلج. فقد تفقد التحكم في السيارة مما يتسبب في حدوث إصابة خطيرة أو الوفاة. كما ينشأ أيضًا عن القيادة بسرعة كبيرة لظروف معينة احتمال فقدان التحكم في السيارة.

إطارات الجليد



تتطلب بعض مناطق البلاد استخدام إطارات الجليد أثناء الشتاء. يمكن التعرف على إطارات الجليد من خلال رمز "الجبل/الرقاقة الثلجية" على الجدار الجانبي للإطار.

إذا دعت الحاجة إلى استعمال إطارات للثلج فمن الضروري اختيار إطارات مكافئة في الحجم والنوع للإطارات الأصلية. استخدم إطارات الثلج في مجموعات من أربعة إطارات حتى لا يؤثر ذلك عكسيًا على أمان السيارة وإمكانية التعامل معها.

لإطارات الثلج معدلات سرعة أقل من تلك الخاصة بالإطارات الأصلية ولا يجب استعمالها بشكل مستمر على سرعات أكبر من 120 كم/ساعة (75 ميلًا/ساعة). بالنسبة للسرعات أعلى من 120 كم/ساعة (75 ميلًا/ساعة)، راجع المعدات الأصلية أو وكيل إطارات معتمد للتعرف على سرعات التشغيل الآمنة الموصى بها والتحميل ومستويات نفخ الإطارات الباردة.

الإطارات الاحتياطية — إذا كانت السيارة مزودة بذلك

ملاحظة:

بالنسبة إلى السيارات المزودة بعدة لحام الإطار بدلًا من الإطار الاحتياطي، يُرجى الرجوع إلى قسم "عدة لحام الإطار" في قسم "في حالات الطوارئ" للحصول على مزيد من المعلومات.

تنبيه!

نظرًا للخلوص الأرضي المنخفض، لا تمر بالسيارة من خلال مغسلة سيارات أوتوماتيكية أثناء تركيب الإطار الاحتياطي المؤقت الصغير أو المحدود الاستخدام. فقد تتعرض السيارة للتلف.

للاطلاع على القيود عند القطر باستخدام إطار احتياطي تم تصميمه للاستخدام المؤقت في حالات الطوارئ
 ٢١١ صفحة

Occupants			Combined weight of occupants and cargo from Tire Placard	MINUS	Combined Occupant's weight	=	AVAILABLE Cargo/Luggage and Trailer Tongue Weight
TOTAL	FRONT	REAR					
EXAMPLE 1			865 lbs	minus	670 lbs	=	195 lbs
5	2	3					
EXAMPLE 2			865 lbs	minus	540 lbs	=	325 lbs
3	2	1					
EXAMPLE 3			865 lbs	minus	400 lbs	=	465 lbs
2	2	0					

811a4d11

تحذير!

إن وضع ثقل أكبر من اللازم على الإطارات يعتبر أمرًا خطيرًا. فقد تتسبب زيادة الحمولة عن الحد المقرر في حدوث مشكلة بالإطار أو التأثير على التعامل مع السيارة أو زيادة المسافة اللازمة لإيقاف السيارة. استعمل إطارات ذات قدرة تحميل موصى بها لسيارتك. ولا تحملها أكثر من قدرتها أبدًا.

خطوات تحديد حد الحمولة الصحيح—

(1) ابحث عن عبارة "The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs" (مجموع أوزان الركاب والحمولة يجب ألا يتجاوز XXX كجم أو XXX رطل) في ملصق سيارتك.

(2) حدد مجموع أوزان السائق والركاب الذين سيركبون في سيارتك.

(3) ا طرح مجموع أوزان السائق والركاب من XXX كجم أو XXX رطل.

(4) الرقم الناتج يساوي السعة المتاحة لنقل الحمولة والحقائب. على سبيل المثال، إذا كان مقدار "XXX" يساوي 1400 رطل، وثمة خمسة ركاب في السيارة وزن الواحد 150 رطلاً، فإن السعة المتاحة لنقل الحمولة والحقائب هي 650 رطلاً. (حيث $1400 - 750 = (150 \times 5)$ 650 رطلاً).

(5) حدد مجموع أوزان الحقائب والحمولة التي يتم تحميلها في سيارتك. يجب ألا يتعدى ذلك الوزن السعة المتاحة لنقل الحمولة والحقائب التي تم حسابها في الخطوة رقم 4.

(6) إذا كانت سيارتك ستسحب مقطورة، فإن أحمال المقطورة ستنتقل إلى سيارتك. راجع هذا الدليل لتحديد كيف يقلل ذلك من السعة المتاحة لنقل الحمولة والحقائب في سيارتك.

مثال على حد الحمولة بالنظام المتري

على سبيل المثال، إذا كان المقدار "XXX" يساوي 635 كجم وسيكون هناك خمسة ركاب في السيارة وزن الواحد 68 كجم، فإن السعة المتاحة لنقل الحمولة والحقائب هي 295 كجم (حيث $635 - 340 = (68 \times 5)$ 295 كجم) كما هو موضح في الخطوة رقم 4.

ملاحظة:

- إذا كانت سيارتك ستسحب مقطورة، فإن أحمال المقطورة ستنتقل إلى سيارتك. يعرض الجدول التالي أمثلة على كيفية حساب إجمالي الحمولة والأمتعة وقدرة السحب للسيارة في ظل أوضاع مختلفة للمقاعد ولأعداد الركاب وأحجامهم. هذا الجدول لأغراض توضيحية فقط وقد لا يكون دقيقاً فيما يتعلق بسعة المقاعد والحمولة في سيارتك.
- يجب ألا يتجاوز الوزن الإجمالي للركاب والحمولة في هذا المثال 392 كجم (865 رطل).

ملصق معلومات الإطار والتحميل

TIRE AND LOADING INFORMATION			
SEATING CAPACITY - TOTAL 5		FRONT 2	REAR 3
THE COMBINED WEIGHT OF OCCUPANTS AND CARGO SHOULD NEVER EXCEED XXX KG OR XXX LBS.			
TIRE	FRONT	REAR	SPARE
ORIGINAL TIRE SIZE	P195/70R14	P195/70R14	T125/70D15
COLD TIRE INFLATION PRESSURE	200kPa, 29PSI	200kPa, 29PSI	420kPa, 60PSI
SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION		4N109298	

ملصق معلومات الإطار والتحميل

يعطي هذا الملصق معلومات هامة حول:

1. عدد الأشخاص التي يمكن حملها في السيارة.
2. الوزن الإجمالي الذي يمكن أن تحمله السيارة.
3. حجم الإطار المصمم للسيارة.
4. قيم ضغط نفخ الإطارات الباردة الأمامية والخلفية والإطارات الاحتياطية.

التحميل

لا يجب أن تتجاوز أقصى حمولة على السيارة قدرة الحمولة لإطارات سيارتك. ولن تتجاوز سعة الحمولة للإطار إذا التزمت بشروط التحميل وحجم الإطار وقيم ضغط هواء الإطار البارد المحددة على ملصق معلومات الإطار والتحميل في قسم بعنوان تحميل السيارة. < صفحة ٢٠٤

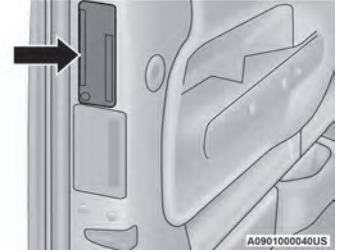
ملاحظة:

في ظروف تحميل السيارة بأقصى حمولة لها، لا يجب تجاوز معدل الوزن الإجمالي لمحوري الدوران (GAWR) الأمامي والخلفي.

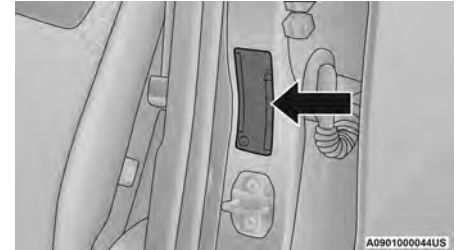
للحصول على مزيد من المعلومات حول معدل الوزن الإجمالي لمحور الدوران (GAWR) وتحميل السيارة وسحب المقطورة < صفحة ٢٠٤.

لتحديد ظروف التحميل القصوى للسيارة، ابحث عن عبارة "The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs" (مجموع أوزان الركاب والحمولة يجب ألا يتجاوز XXX كجم أو XXX رطل) في ملصق معلومات الإطار والتحميل. يجب ألا يتجاوز الوزن الإجمالي للركاب والحمولة/الأمثلة ولسان سحب المقطورة (إذا وجد) الوزن المشار إليه في الملصق.

افحص ضغط الهواء لكل إطار، بما في ذلك الإطار الاحتياطي (إذا كانت السيارة مزودة بذلك) على الأقل مرة في الشهر واتفحه إلى ضغط هواء الإطار الموصى به للسيارة.

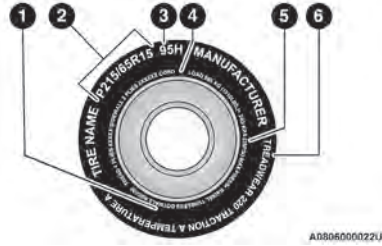


مثال لموقع ملصق الإطار (الباب)



مثال على موقع ملصق الإطار (العمود الفاصل بين النوافذ B)

علامات الإطار



علامات الإطار

تنبيه!

لا تلوث زجاج اللبة بلمسه بأصابعك أو بتركه يلامس أسطح زينية أخرى. فقد ينتج عن ذلك انخفاض عمر المصباح.

5. اعكس الخطوات السابقة لتركيب اللبات والمبيت.

الإطارات

معلومات السلامة الخاصة بالإطارات

ستغطي معلومات سلامة الإطار جوانب المعلومات التالية: علامات الإطارات، وأرقام تعريف الإطارات، ومصطلحات وتعريفات الإطارات، وقيم ضغط الإطارات، وتحميل الإطارات.

- 1 — كود معايير سلامة وزارة النقل الأمريكية (رقم تعريف الإطار)
- 2 — علامة الحجم
- 3 — وصف الخدمة
- 4 — أقصى حمولة
- 5 — أقصى ضغط
- 6 — بلى المداسات والجر ودرجات الحرارة

ملاحظة:

- P (راكب) — تعتمد مقاسات الإطارات المترية على معايير التصميم الخاصة بالولايات المتحدة. تحتوي إطارات الركاب المترية على الحرف "P" محفوراً على الجدار الجانبي سابقاً لعلامة الحجم. مثال: P215/65R15 95H

- الأوروبية - يعتمد حجم الإطارات المترية على معايير التصميم الأوروبية. وهذه الإطارات المصممة وفقاً لهذا المعيار تحتوي على حجم الإطار محفوراً على الجدار الجانبي، حيث يتم البدء بمقاس عرض القسم. ولا يوجد الحرف "P" ضمن علامة حجم هذه النوعية من الإطارات. مثال: 215/65R15 96H.

- LT (الشاحنات الخفيفة) — تعتمد مقاسات الإطارات المترية على معايير التصميم الخاصة بالولايات المتحدة. وتعتبر علامة الحجم لإطارات الشاحنات الخفيفة المترية هي نفسها الخاصة بإطارات الركاب المترية فيما عدا الحرفين "LT" المحفورين على الجدار الجانبي قبل علامة الحجم. مثال: LT235/85R16.

- تم تصميم الإطارات الاحتياطية المؤقتة للاستخدام في حالات الطوارئ فقط. تحتوي الإطارات الاحتياطية المؤقتة ذات الضغط العالي على حرف "T" أو "S" محفوراً على الجدار الجانبي قبل علامة الحجم. مثال: T145/80D18 103M.

- تعتمد مقاسات الإطارات عالية الطفو على معايير التصميم الخاصة بالولايات المتحدة وهي تبدأ بحرف قطر الإطار على جداره الجانبي. مثال: 31x10.5 R15 LT

حمولة الإطارات وضغط هواء الإطارات

ملاحظة:

يتم توضيح ضغط انتفاخ الإطار البارد المناسب على العمود الفاصل بين النوافذ B على جانب السائق أو على الحافة الخلفية لباب السائق.

2. افصل الموصل المثبت للمبيت ومجموعة الأسلاك بالجسم.



A0705000358US

موقع لمبة مصباح التوقف المركزي العلوي (CHMSL)

3. أدر مقبس اللبة المرغوب بمقدار ربع دورة عكس اتجاه عقارب الساعة وأخرج المقبس واللمبة من المبيت.

4. اسحب اللبة المطلوبة من المقبس في اتجاه مستقيم.

- اللمبات الخارجية: مصابيح منطقة الحمولة
- اللبة الداخلية: مصباح التوقف المركزي العلوي

4. أدر مقبس اللبة في اتجاه عكس حركة عقارب الساعة بمقدار رُبْع لفة لفكه من المبيت.

5. اسحب اللبة إلى خارج المقبس في اتجاه مستقيم.

تنبيه!
لا تلوّث زجاج اللبة بلمسه بأصابعك أو بتركه يلامس أسطح زيتية أخرى. فقد ينتج عن ذلك انخفاض عمر المصباح.

6. اعكس الإجراء لتركيب اللبة والمبيت.

مصباح التوقف المركزي العلوي (CHMSL) مع مصباح الحمولة

راجع الخطوات التالية للاستبدال:

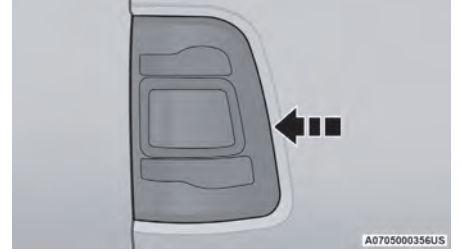
1. فك البراغي الأربعة التي تثبت المبيت/العدسة بالجسم كما هو موضح.



A0705000357US

مواقع مسامير تثبيت مصباح التوقف المركزي العلوي (CHMSL)

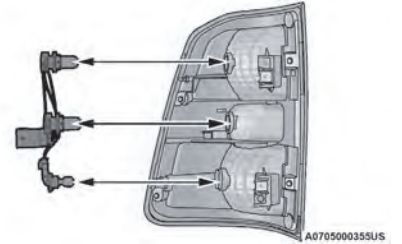
2. اسحب الجانب الخارجي من المصباح للخلف بما يكفي لفصل المقبسين في الجانب الخارجي لمبيت المصباح من العروتين البلاستيكيتين في لوحة الجانب المربع الخارجية.



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إزالة المصباح الخلفي

3. افصل موصلات مجموعة الأسلاك من مقبس اللبة.



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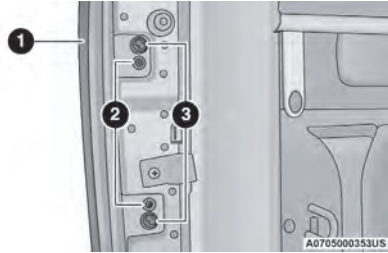
موصل مجموعة الأسلاك

تنبيه!

لا تلوّث زجاج اللمبة بلمسه بأصابعك أو بتركه يلامس أسطح زيتية أخرى. فقد ينتج عن ذلك انخفاض عمر المصباح.

مصباح المؤخرة/التوقف، إشارات الاعتباط والرجوع للخلف

1. أزل المسمارين والمثبتات بالدبوس المضغوط التي تمر عبر الطبقة المعدنية السطحية الرقيقة.



مواقع مصابيح المؤخرة

- 1 — مصباح المؤخرة
- 2 — المثبتات
- 3 — المثبتات بالدبوس المضغوط

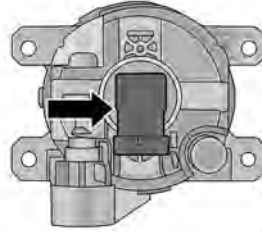
مصباح الضباب - إن توفرت

نوصي بزيارة وكيل معتمد لصيانة مصباح LED ومصباح الضباب الهالوجين الأمامية.

مصباح الهالوجين

راجع الخطوات التالية للاستبدال:

1. مد يدك أسفل وخلف الواجبة/المصد الأمامي للوصول إلى خلف مبيت مصباح الضباب الأمامي.
2. افصل موصل مجموعة أسلاك مصباح الضباب من لمبة مصباح الضباب.



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لمبة مصباح الضباب

3. أدر اللمبة عكس اتجاه حركة عقارب الساعة بمقدار ربع لفة لفك اللمبة من المبيت.
4. اسحب اللمبة إلى خارج المبيت في اتجاه مستقيم.
5. اعكس الإجراء لتركيب اللمبة والغطاء.

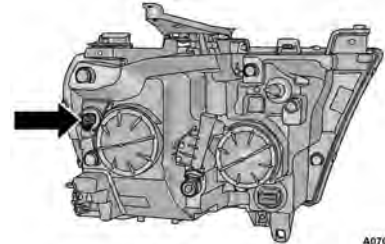
6. افصل اللمبة من المقبس بدون لف.

7. اعكس الإجراء لتركيب اللمبة والأغطية الجديدة.

مصباح التحديد الجانبي

راجع الخطوات التالية للاستبدال:

1. افتح غطاء محرك السيارة.
2. افصل كابل البطارية السالب واعزله.
3. حدد مكان مقبس مصباح الإشارة الجانبي الذي يمكن العثور عليه على الجزء الخلفي من المصابيح الأمامية.



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مصباح التحديد الجانبي

4. افصل مقبس الإشارة الجانبية من خلال إدارته عكس اتجاه دوران عقارب الساعة بمقدار ربع دورة.
5. اسحب المقبس واللمبة من المبيت بشكل مستقيم.
6. افصل اللمبة من المقبس بدون لف.
7. اعكس الإجراء لتركيب اللمبة والأغطية الجديدة.

6. أدر اللبة عكس اتجاه حركة عقارب الساعة بمقدار ربع لفة لفك اللبة من المصباح.

7. اسحب اللبة إلى خارج المبيت في اتجاه مستقيم.

8. اعكس الإجراء لتثبيت اللبة والغطاء الجدد.

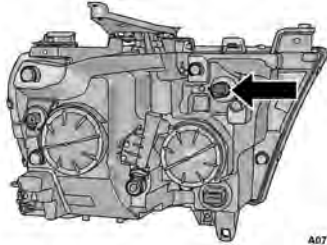
مصباح التوقف الأمامي والانعطاف

راجع الخطوات التالية للاستبدال:

1. افتح غطاء محرك السيارة.

2. افصل كابل البطارية السالب واعزله.

3. حدد مكان مقبس مصباح التوقف والانعطاف الذي يمكن العثور عليه على الجزء الخلفي من المصابيح الأمامية.



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مقبس مصباح التوقف والانعطاف

4. مُد يدك خلف المصباح الأمامي وألغ قفل مقبس مصباح التوقف والانعطاف من المصباح عن طريق لفه عكس اتجاه دوران عقارب الساعة بمقدار ربع لفة.

5. اسحب اللبة إلى خارج المبيت في اتجاه مستقيم.

راجع الخطوات التالية للاستبدال:

1. افتح غطاء محرك السيارة.

2. افصل كابل البطارية السالب واعزله.

3. حدد مكان غطاء الوصول للضوء العالي الذي يمكن العثور عليه على الجزء الخلفي من المصابيح الأمامية.

ملاحظة:

قد يلزم إزالة أو تغيير موضع مجموعة تنقية الهواء للتمكن من الوصول إلى لمبات المصباح الأمامي/الإشارة الجانبية ناحية الراكب.

4. قم بالوصول إلى خلف المصباح الأمامي وافصل غطاء الوصول عن طريق إدارته عكس اتجاه عقارب الساعة.

5. افصل موصل مجموعة أسلاك المصباح الداخلي من لمبة الضوء المرتفع.

تنبيه!

• لا تلوّث زجاج اللبة بلمسه بأصابعك أو بتركه يلامس أسطح زيتية أخرى. فقد ينتج عن ذلك انخفاض عمر المصباح.

• احرص دائمًا على استخدام الحجم والنوع الصحيحين لللمبة لاستبدالها. قد يتسبب حجم اللبة أو النوع غير الصحيح في زيادة سخونة وتلف المصباح أو مقبس اللبة أو أسلاك المصباح.

تنبيه!

• لا تلوّث زجاج اللبة بلمسه بأصابعك أو بتركه يلامس أسطح زيتية أخرى. فقد ينتج عن ذلك انخفاض عمر المصباح.

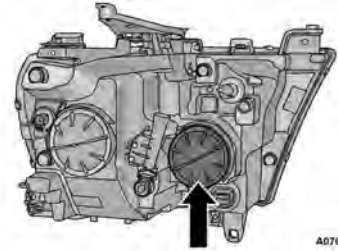
• احرص دائمًا على استخدام الحجم والنوع الصحيحين لللمبة لاستبدالها. قد يتسبب حجم اللبة أو النوع غير الصحيح في زيادة سخونة وتلف المصباح أو مقبس اللبة أو أسلاك المصباح.

6. أدر اللبة عكس اتجاه حركة عقارب الساعة بمقدار ربع لفة لفك اللبة من المصباح.

7. اسحب اللبة إلى خارج المبيت في اتجاه مستقيم.

8. اعكس الإجراء لتثبيت اللبة والأغطية الجديدة.

الضوء العالي



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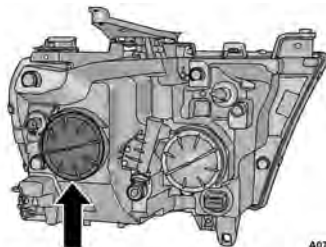
غطاء المصباح الأمامي ذي الضوء العالي

اللمبات الخارجية	
اسم اللمبة	رقم المصباح
مصباح تحديد أركان السيارة الأمامية	صمام مؤشر LED
مصباح ضباب أمامية (مصباح أمامي عاكس هالوجين – إذا كانت السيارة مزودة بذلك)	H11LL
مصباح الضباب الأمامية	صمام مؤشر LED
مؤشرات جانبية (مراة الرؤية الأمامية والجانبية – إذا كانت السيارة مزودة بذلك)	صمام مؤشر LED
مصباح المؤخرة/الانعطاف والتوقف الأساسي	7440LL/W21WLL
مصباح المؤخرة/الانعطاف/الرجوع للخلف والتوقف الممتاز الخلفي	صمام مؤشر LED
مصباح الرجوع للخلف الأساسي	7440/W21W
مصباح التوقف المركزي العلوي (CHMSL)	921
مصباح منطقة الحمولة	921
المصباح الخلفي للوحة رقم السيارة	صمام مؤشر LED
مصباح الانعطاف الأساسي	7440NA / WY21W

ملاحظة:

قد يلزم إزالة أو تغيير موضع مجموعة تنقية الهواء للتمكن من الوصول إلى لمبات المصباح الأمامي/الإشارة الجانبية ناحية الراكب.

4. فك غطاء الوصول إلى اللمبة بإدارته عكس اتجاه دوران عقارب الساعة.
5. أفضل موصل مجموعة أسلاك المصباح الداخلي من لمبة الضوء المنخفض.



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غطاء المصباح الأمامي ذي الضوء المنخفض

استبدال المصابيح الخارجية

رباعي أساسي: المصباح الأمامي منخفض الإضاءة، المصباح الأمامي عالي الإضاءة، مصباح التوقف الأمامي والانعطاف - إن توفرت

الضوء المنخفض

راجع الخطوات التالية للاستبدال:

1. افتح غطاء محرك السيارة.
2. افصل كابل البطارية السالب وأزله.
3. حدد مكان غطاء الوصول للضوء المنخفض الذي يمكن العثور عليه على الجزء الخلفي من المصابيح الأمامية.

استبدال اللمبة

المصابيح البديلة والأسماء وأرقام القطع

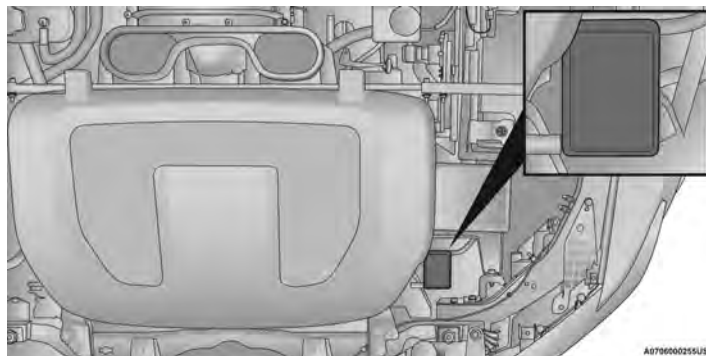
في الحالة التي يلزم فيها استبدال لمبة، يتضمن هذا القسم وصف اللمبة وأرقام قطع الغيار. يتم تصنيع قاعدة جميع المصابيح الداخلية من النحاس أو الزجاج. قواعد المصابيح المصنوعة من الألمنيوم غير معتمدة.

ملاحظة:

راجع الوكيل المعتمد لاستبدال لمبة مصباح LED.

اللمبات الداخلية	
اسم اللمبة	رقم المصباح
مصباح الكونسول العلوي	TS 212-9
مصباح السقف	7679
ملاحظة: بالنسبة إلى المفاتيح المضئية، راجع الوكيل المعتمد للتعرف على إرشادات استبدالها.	

اللمبات الخارجية	
اسم اللمبة	رقم المصباح
الضوء المنخفض (مصباح أمامي عاكس هالوجين – إذا كانت السيارة مزودة بذلك)	H11LL
الضوء العالي (مصباح أمامي عاكس هالوجين – إذا كانت السيارة مزودة بذلك)	9005LL
الضوء العالي والمنخفض (مصباح أمامي عاكس LED)	صمام مؤشر LED
الضوء العالي والمنخفض (مصباح أمامي LED مزود بجهاز إسقاط)	صمام مؤشر LED
إشارة الانعطاف/الوضع الأمامي (مصباح أمامي عاكس هالوجين – إذا كانت السيارة مزودة بذلك)	7444NA
إشارة الانعطاف / الوضع الأمامي (مصباح أمامي LED)	صمام مؤشر LED
مصباح إشارة جانبي أمامي (مصباح أمامي عاكس هالوجين – إذا كانت السيارة مزودة بذلك)	W5W



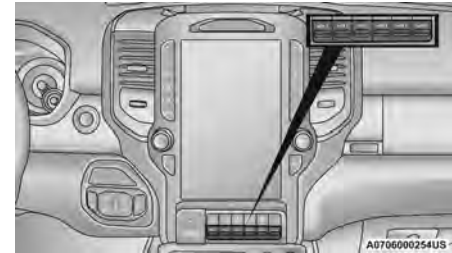
موقع مركز توزيع الطاقة الإضافي

الموقع	لون السلك	المنصهر	وظيفة الدائرة
* إذا كانت السيارة مزودة بذلك			
مركز توزيع الطاقة الإضافي	وردي/أزرق داكن	50 – F001A أمبير	المفتاح الإضافي 1
مركز توزيع الطاقة الإضافي	وردي/أخضر داكن	20 – F002A أمبير	المفتاح الإضافي 2
مركز توزيع الطاقة الإضافي	وردي/بنفسجي	20 – F003A أمبير	المفتاح الإضافي 3
مركز توزيع الطاقة الإضافي	وردي/بيج	50 – F004A أمبير	المفتاح الإضافي 4
مركز توزيع الطاقة الرئيسي	وردي/بنّي	20 – F42 أمبير	المفتاح الإضافي 5*
مركز توزيع الطاقة الرئيسي	وردي/أصفر	20 – F50 أمبير	المفتاح الإضافي 6*

المفاتيح الإضافية - إذا كانت السيارة مزودة بذلك

يمكن وضع أربعة أو ستة مفاتيح إضافية في صف المفاتيح السفلي من لوحة أجهزة القياس ويمكن استخدامها لتشغيل أجهزة كهربائية متنوعة.

يمكن تغيير وظائف المفاتيح الإضافية من خلال إعدادات نظام Uconnect. يمكن تكوين جميع المفاتيح لضبط تشغيل نوع المفتاح لتشغيل المفتاح اللحظي أو مفتاح القفل وتزويد مصدر الطاقة إما للبطارية أو لمفتاح التشغيل، والقدرة على المحافظة على آخر حالة عبر دورات المفتاح.



موقع المفتاح الإضافي

ملاحظة:

تتم تلبية ظروف البقاء في آخر حالة عندما يتم ضبط نوع المفتاح على "latching" (القفل) وضبط مصدر الطاقة على "ignition" (مفتاح التشغيل) في إعدادات نظام Uconnect.

تعمل المفاتيح الإضافية على إدارة المرحلات التي تقوم بتشغيل أربعة أو ستة أسلاك ذات قطع غير حاد. توجد هذه الأسلاك أسفل غطاء المحرك إلى اليمين، بالقرب من البطارية.

بالإضافة إلى أسلاك المفتاح الإضافي الأربعة أو الستة، يوجد أيضًا سلك بطارية مزود بمنصهر وسلك إشعال في هذا الموقع.

يتم توفير طقم من الوصلات المجدولة وأنباب منكمشة حراريًا مع المفاتيح الإضافية للمساعدة في توصيل/تركيب الأجهزة الكهربائية.

مخطط ألوان الأسلاك والمنصهرات

ملاحظة:

يمكن العثور على المنصهرات الخاصة بالمفاتيح الإضافية في مركز توزيع الطاقة (PDC) الإضافي الموجود في غرفة المحرك في مقدمة السيارة أمام مركز توزيع الطاقة الرئيسي. أزل الواقي العلوي للوصول. إذا كانت السيارة مزودة بذلك، فستتوفر مفاتيح إضافية في مركز توزيع الطاقة الرئيسي.

الفجوة	علبة المنصهرات	المنصهر الصغير	الوصف
* إذا كانت السيارة مزودة بذلك			
F55	25 أمبير أبيض	—	تركيبية علوية *
F56	30 أمبير وردي	—	وحدة واجهة الشبكة *
F57	20 أمبير أزرق	—	تغذية مباشرة من البطارية *
F58	20 أمبير أزرق	—	تغذية مباشرة من البطارية *
F60	50 أمبير أحمر	—	وحدة المحول *
F61	—	—	المنصهر الاحتياطي
F62 A&B (الدفع الرباعي الأوتوماتيكي)	—	10 أمبير أحمر	وحدة فرامل المقطورة المدمجة (ITBM) / وحدة فنة الركاب / وحدة تعليق IAIR / وحدة التسخين والتهوية ومكيف الهواء (HVAC) / مستشعر درجة الحرارة في السيارة / وحدة كاميرا الرادار المدمج (IRCM) / مستشعر الرطوبة والضوء والمطر (HRLS) / وحدة نظام ParkTronics (PTS) / وحدة مراقبة ضغط الإطارات (TPM) بالمقطورة المزود بنظام التحكم في تثبيت المقطورة CAN-C عبر البوابة
F63	—	—	المنصهر الاحتياطي
F64	—	—	المنصهر الاحتياطي
F65	—	10 أمبير أحمر	وحدة التحكم في تثبيت الركاب (ORC)
F66	—	10 أمبير أحمر	تغذية التشغيل - الملحقات

قواطع الدائرة

الفجوة	قاطع الدائرة	الوصف
CB1	25 أمبير	النوافذ العاملة بالطاقة الخلفية المزودة بمفتاح نافذة السائق / مزيل الصقيع الخلفي المزود بمفتاح علوي
CB2	25 أمبير	مقعد السائق العامل بالطاقة / وحدة ذاكرة مقعد السائق
CB3	25 أمبير	مقعد الراكب العامل بالطاقة/وحدة ذاكرة مقعد الراكب

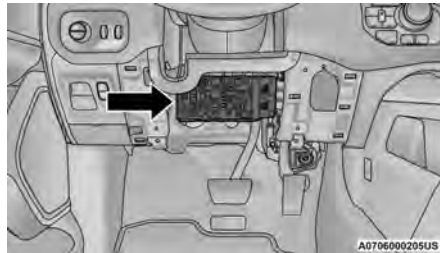
الفجوة	علبة المنصهرات	المنصهر الصغير	الوصف
* إذا كانت السيارة مزودة بذلك			
F41 A&B (الدفع الرباعي الأوتوماتيكي)	—	15 أمبير أزرق	مفتاح تمرير ودعامة أسفل الظهر / وحدة التحكم في عمود التوجيه / وحدة التحكم في التدفئة والتهوية وتكييف الهواء / صف مفاتيح ICS / صف المفاتيح العلوي
F42 A&B (الدفع الرباعي الأوتوماتيكي)	—	10 أمبير أحمر	وحدة مفتاح علبة النقل (TCSM) / SBW / مفتاح فرامل التوقف الكهربائية / مقطورة مزودة بوحدة مراقبة ضغط هواء الإطارات / وحدة مراقبة ضغط الإطارات (TPM) بالمقطورة المزود بنظام التحكم في تثبيت المقطورة CAN-C عبر البوابة / الفتحة اليمنى ويسرى لتهوية المقعد
F43 A&B (الدفع الرباعي الأوتوماتيكي)	—	10 أمبير أحمر	منفذ التشخيصات / منفذ USB في الأمام والخلف
F44	—	20 أمبير أصفر	راديو / DCSD / وحدة صندوق الاتصالات / وحدة بوابة المقطورة (360)
F45	30 أمبير وردي	—	وحدة باب السائق MUX
F46	30 أمبير وردي	—	وحدة باب الراكب MUX
F47	—	—	المنصهر الاحتياطي
F48A	—	10 أمبير أحمر	مرآة الرؤية الخلفية / نافذة الراكب SW / USB خلفي / وحدة لوحة الشحن اللاسلكي
F49	—	15 أمبير أزرق	وحدة CVPM / مستشعر النقاط الخفية / مستشعر الإضاءة الأمامي التكميلي (AFLS) HDLP
F50A	—	10 أمبير أحمر	وحدة التحكم في مجموعة البطارية (BPCM) *
F51 A&B (الدفع الرباعي الأوتوماتيكي)	—	—	المنصهر الاحتياطي
F52	20 أمبير أزرق	—	تغذية مباشرة من البطارية *
F53	—	10 أمبير أحمر	التحكم في توجيه المقطورة للخلف / مقبض التحكم في توجيه المقطورة
F54 A&B (الدفع الرباعي الأوتوماتيكي)	—	20 أمبير أصفر	موضع تغذية بطارية المقعد الأوسط لمأخذ الطاقة موضع تغذية إشعال المقعد الأوسط لمأخذ الطاقة

الفجوة	علبة المنصهرات	المنصهر الصغير	الوصف
* إذا كانت السيارة مزودة بذلك			
F21	—	—	المنصهر الاحتياطي
F22	—	—	المنصهر الاحتياطي
F23	—	—	المنصهر الاحتياطي
F24	—	15 أمبير أزرق	وحدة موزع التردد اللاسلكي / وحدة مفتاح التشغيل / CNN لمجموعة الوحدة
F25	40 أمبير أخضر	—	وحدة فرامل المقطورة المدمجة
F26	—	15 أمبير أزرق	CCN لمجموعة الوحدة / الأمان الإلكتروني للوحدة / وحدة بوابة المقطورة (كاميرا 360)
F27	—	5 أمبير أسمر	وحدة مجموعة CCN / وحدة SGW
F28	—	10 أمبير أحمر	وحدة التحكم في تثبيت الركاب (ORC)
F29	—	20 أمبير أصفر	وحدة CRSM (التدفئة الخلفية LT)
F30	30 أمبير وردي	—	وحدة DTCM / وحدة باب المؤخرة
F31	30 أمبير وردي	—	الإضاءة الداخلية رقم 1 لوحدة CBC
F32	—	20 أمبير أصفر	مصباح الإضاءة الموضعية الأيمن *
F33	—	10 أمبير أحمر	مجموعة الكونسول العلوي / المفتاح 911 / مساعد التبديل / الستارة الشمسية/ HUD
F34	—	15 أمبير أزرق	موتور المقعد المزود بفتحات تهوية في الأمامي وفي الخلف بالجانب الأيمن
F35	—	10 أمبير أحمر	وحدة المحول / محرك الستارة الشمسية للسقف المتحرك / محرك السقف المتحرك المزودج / منفذ USB للشحن فقط
F36	40 أمبير أخضر	—	الإضاءة الخارجية رقم 1 لـ Mod CBC 2
F37	—	—	المنصهر الاحتياطي
F38	—	—	المنصهر الاحتياطي
F39	—	—	المنصهر الاحتياطي
F40	20 أمبير أزرق	—	سيارة بإضاءة مُطاردة على السقف *

مخطط المنصهر الداخلي

الفجوة	علبة المنصهرات	المنصهر الصغير	الوصف
* إذا كانت السيارة مزودة بذلك			
F01	30 أمبير وردي	—	قابس سحب المقطورة
F02	—	—	المنصهر الاحتياطي
F03	—	20 أمبير أصفر	وحدة مدفأة المقعد الأمامي (تجاوز)
F04	—	—	المنصهر الاحتياطي
F05	—	20 أمبير أصفر	مروحة تبريد وحدة التحكم في مجموعة نقل الحركة*
F06	—	—	المنصهر الاحتياطي
F07	40 أمبير أخضر	—	أقفال الطاقة لـ Mod CBC 3
F08	—	—	المنصهر الاحتياطي
F09	—	—	المنصهر الاحتياطي
F10	40 أمبير أخضر	—	محرك مروحة التسخين والتهوية ومكيف الهواء (HVAC)
F11	—	5 أمبير أسمر	إخراج إلى ملف تشغيل مركز توزيع الطاقة تحت غطاء المحرك (UPDC)
F12	—	25 أمبير شفاف	مضخم صوت الوحدة / إلغاء الضوضاء النشط
F13	—	20 أمبير أصفر	وحدة مدفأة المقعد الأمامي (السايق)
F14	—	15 أمبير أزرق	وحدة مدفأة المقعد الأمامي (عجلة القيادة)
F15 A&B (الدفع الرباعي الأوتوماتيكي)	—	—	المنصهر الاحتياطي
F16	—	—	المنصهر الاحتياطي
F17	—	20 أمبير أصفر	مصباح الإضاءة الموضعية الأيسر *
F18	30 أمبير وردي	—	موتور الستارة الشمسية للسقف المتحرك
F19	—	—	المنصهر الاحتياطي
F20	—	20 أمبير أصفر	وحدة المقعد الخلفي المريح (CRSM) (التدفئة الخلفية RT)

الفجوة	علبة المنصهرات	المنصهر الصغير	الوصف
			* إذا كانت السيارة مزودة بذلك
F61	–	15 أمبير أزرق	المصباح الأمامي لتفريغ الشحنة العالية الكثافة بالجانب الأيسر بالكامل
F62	60 أمبير أزرق 40 أمبير أخضر	–	شمعة التوهج * مضخة سائل التبريد اليسرى *
F63	20 أمبير أزرق	–	مستشعر NOx *
F64	–	10 أمبير أحمر	مستشعر PM *

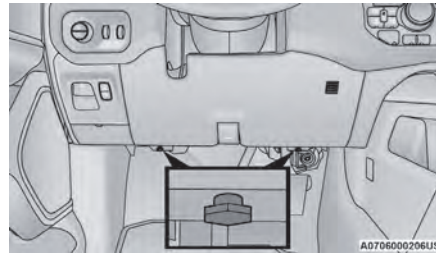


موقع صندوق المنصهرات الداخلية

3. عكس الإجراء لإعادة تركيب غطاء لوحة المنصهرات.

راجع الخطوات التالية للوصول إلى المنصهرات الداخلية:

1. حدد موقع البرغيين وأزلهما من الجزء السفلي لغطاء لوحة المنصهرات.

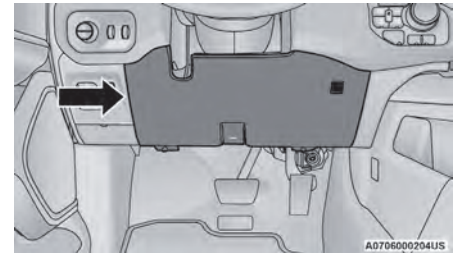


موقع البرغيين الخاصين بلوحة المنصهرات

2. بعد إزالة البرغيين، اسحب كلا الجانبين الأيسر والأيمن لغطاء لوحة المنصهرات برفق لتحرير مشابك التنبيت.

مركز توزيع الطاقة الداخلية

يقع مركز توزيع الطاقة أسفل لوحة أجهزة القياس بجانب السائق. حيث يحتوي هذا المركز على المنصهرات الكبيرة والمنصهرات الصغيرة والمرحلات وقواطع الدائرة.



لوحة غطاء المنصهرات

الفجوة	علبة المنصهرات	المنصهر الصغير	الوصف
* إذا كانت السيارة مزودة بذلك			
F41	—	10 أمبير أحمر	أجهزة تدفئة IRCAM
F42	20 أمبير أزرق	—	مفتاح AUX (الأجهزة الإضافية) رقم 5 *
F43	—	20 أمبير أصفر	مضخة سائل تبريد وحدة مولد المحرك (MGU) / ADCM *
F44	—	10 أمبير أحمر	كاميرا المقطورة *
F45	—	10 أمبير أحمر	ADCM *
F46	30 أمبير وردي	—	مسخن الوقود *
F47	30 أمبير وردي	—	مزيل الصقيع من النافذة الخلفية
F48	—	—	الإطار الاحتياطي *
F49	30 أمبير وردي	—	التحكم في المسخن *
F50	20 أمبير أزرق	—	مفتاح AUX (الأجهزة الإضافية) رقم 6 *
F51	25 أمبير أبيض	—	موتور مضخة الوقود رقم 1 *
F52	—	—	الإطار الاحتياطي *
F53	—	10 أمبير أحمر	مضخة الإمداد/التبخير *
F54	—	15 أمبير أزرق	وحدة التحكم في مجموعة نقل الحركة (PCM) *
		10 أمبير أحمر	صمام حجب البخار *
F55	—	15 أمبير أزرق	المصباح الأمامي لتفريغ الشحنة عالية الكثافة بالجانب الأيمن بالكامل
F56	—	—	الإطار الاحتياطي *
F57	—	20 أمبير أصفر	آلة التنبيه
F58	25 أمبير أبيض	—	موتور مضخة الوقود رقم 2 *
F59	—	25 أمبير شفاف	الحاقنات / ملف التشغيل / وحدة شمعة التوهج *
F60	—	20 أمبير أصفر	وحدة التحكم في المحرك (ECM)/وحدة التحكم في مجموعة نقل الحركة (PCM)/صمام التشغيل لفترة قصيرة النشط/مضخة سائل تبريد الرادياتير ذي درجة الحرارة المنخفضة *

الفجوة	علبة المنصهرات	المنصهر الصغير	الوصف
* إذا كانت السيارة مزودة بذلك			
F22	50 أمبير أحمر	—	وحدة الهواء *
F23	—	—	الإطار الاحتياطي *
F24	—	20 أمبير أصفر	TCM SBW
F25	40 أمبير أخضر	—	الإضاءة الخارجية رقم 2 لوحدة 4 CBC *
F26	50 أمبير أحمر	—	وحدة برنامج الاستقرار الإلكتروني (ESP)
F27	30 أمبير وردي	—	الماسحة الأمامية
F28	—	10 أمبير أحمر	PCM / ECM
F29	40 أمبير أخضر	—	وحدة برنامج الاستقرار الإلكتروني (ESP)
F30	—	—	الإطار الاحتياطي *
F31	—	—	الإطار الاحتياطي *
F32	20 أمبير أزرق	—	ECM (وحدة التحكم في المحرك) / PCM (وحدة التحكم في مجموعة نقل الحركة)
F33	30 أمبير وردي	—	مضخة تفريغ الفرامل
F34	—	—	الإطار الاحتياطي *
F35	—	10 أمبير أحمر	وحدة التحكم في مجموعة نقل الحركة (PCM) / وحدة التحكم في المحرك (ECM) / تنشيط وحدة مولد الموتور (MGU) لوحدة مجموعة الطاقة (PPU) * / التوجيه المعزز كهربياً (EPS) / وحدة الكتلة النشطة المضبوطة (ATMM) / برنامج الاستقرار الإلكتروني (ESP)
F36	—	—	الإطار الاحتياطي *
F37	—	5 أمبير أسمر	مأخذ R / S إلى iPDC
F38	—	10 أمبير أحمر	وحدة التحكم في مجموعة الدفع والحركة (DTCM) / صمام درجة حرارة المجموعة النشط
F39	—	15 أمبير أزرق	وحدة الكتلة النشطة المضبوطة (ATMM) *
F40	40 أمبير أخضر	—	جهاز بدء التشغيل

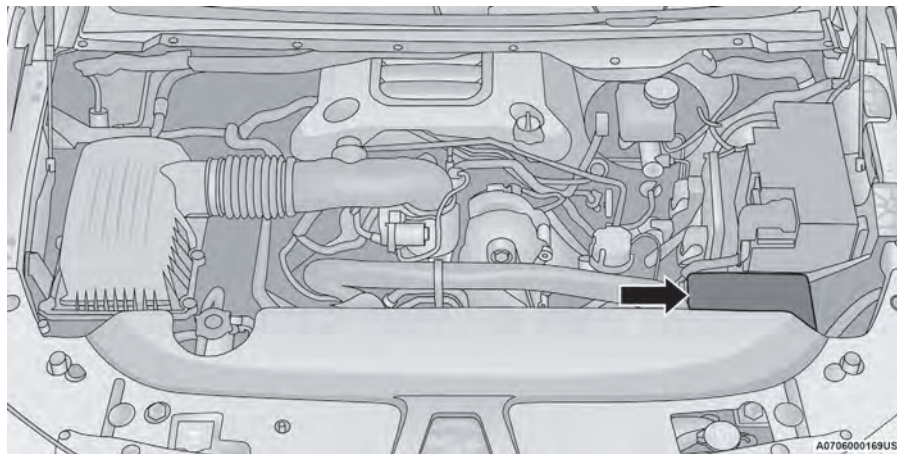
الفجوة	علبة المنصهرات	المنصهر الصغير	الوصف
* إذا كانت السيارة مزودة بذلك			
F01	—	25 أمبير شفاف	محرك مضخة الوقود/خزان الوقود أسى
F02	—	—	الإطار الاحتياطي *
F03	—	5 أمبير أسمر	وحدة مولد المحرك *
F04	—	—	الإطار الاحتياطي *
F05	—	—	الإطار الاحتياطي *
F06	—	10 أمبير أحمر	الخرج إلى مركز توزيع الطاقة للتركيبة العلوية *
F07	—	—	الإطار الاحتياطي *
F08	20 أمبير أزرق	—	الرجوع للخلف عند سحب المقطورة
F09	—	20 أمبير أصفر	إيقاف المقطورة / مصباح الانعطاف الأيسر
F10	—	20 أمبير أصفر	إيقاف المقطورة / مصباح الانعطاف الأيمن
F11	—	15 أمبير أزرق	مصباح التعريف/الخلوص *
F12	20 أمبير أزرق	—	مصباح توقف سحب المقطورة
F13	—	—	الإطار الاحتياطي *
F14	—	10 أمبير أحمر	قابض تكييف الهواء
F15	—	5 أمبير أسمر	مستشعر البطارية الذكي (IBS)
F16	—	—	الإطار الاحتياطي *
F17	—	20 أمبير أصفر	التعليق الهوائي
F18	—	15 أمبير أزرق	غالق الشبكة النشط (AGS) / صمام تبريد المحور الخلفي / حاجز الهواء النشط
F19	—	—	الإطار الاحتياطي *
F20	—	20 أمبير أصفر	الدواسات القابلة للضغط *
F21	30 أمبير وردي	—	الدرج الجانبي العامل بالطاقة *

مركز توزيع الطاقة تحت غطاء المحرك

يوجد مركز توزيع الطاقة في غرفة المحرك بالقرب من البطارية. حيث يحتوي هذا المركز على المنصهرات الكبيرة والمنصهرات الصغيرة والمرحلات وقواطع الدائرة. قد يكون هناك وصف لكل منصهر ومكون مطبوعاً على الغطاء الداخلي، أو تتم طباعة رقم الفجوة لكل منصهر على الغطاء الداخلي المناظر للجدول التالي.

تنبيه!

عند تركيب غطاء مركز توزيع الطاقة، يلزم التأكد من وضع الغطاء بطريقة صحيحة، والتأكد أيضاً من غلقه بإحكام. حيث إن عدم إجراء ذلك قد يسمح بدخول الماء إلى مركز توزيع الطاقة مما يؤدي إلى تعطل النظام الكهربائي.



مركز توزيع الطاقة تحت غطاء المحرك

المنصهرات

معلومات عامة

تحذير!

- عند استبدال منصهر محترق، استخدم دائماً منصهرًا بديلاً مناسباً بنفس معدل أمبير المنصهر الأصلي. لا تستبدل منصهرًا بأخر بمعدل أمبير أعلى. كما أن استخدام أي منصهر بمعدل يختلف عن ذلك المعدل الموضح قد يؤدي حدوث تحميل خطير في النظام الكهربائي. وفي حالة استمرار احتراق المنصهرات التي يتم تركيبها، فإن ذلك يدل على وجود مشكلة في الدائرة يلزم علاجها. لا تستبدل منصهرًا محترقًا بأسلاك معدنية أو أي مادة أخرى. لا تضع منصهرًا بداخل تجويف قاطع دائرة أو العكس. قد يؤدي الفشل في استخدام المنصهرات المناسبة إلى إصابة شخصية بالغة و/أو نشوب حريق و/أو تلف الممتلكات.
- قبل استبدال منصهر، تأكد من أن مفتاح التشغيل في وضع إيقاف التشغيل وأن جميع الخدمات الأخرى قيد إيقاف التشغيل و/أو غير معشقة.
- في حالة احتراق المنصهر الذي تم استبداله مرة أخرى، اتصل بالوكيل المعتمد.
- في حالة احتراق منصهر حماية عامة لأنظمة الأمان (نظام الوسائد الهوائية، نظام الفرامل) أو أنظمة وحدات الطاقة (نظام المحرك، نظام ناقل الحركة) أو نظام التوجيه، اتصل بالوكيل المعتمد.

تشحيم التروس ➔ صفحة ٤١٠. تجنب إضافة مادة Mopar® Limited Slip Additive إلى زيت تشحيم الترس عند تغيير السائل في محور مزود بترس تفاضلي محدود الانزلاق.

ملاحظة:

عند إعادة تعبئة محور مزود بترس تفاضلي محدود الانزلاق والذي يتطلب مادة إضافية معدلة للاحتكاك، يجب إضافة المادة الإضافية قبل إضافة زيت تشحيم الترس لضمان التعبئة الصحيحة للمادة الإضافية.

علبة النقل

فحص مستوى السائل

يمكن فحص مستوى السائل هذا عن طريق إزالة سدادة التعبئة. يجب أن يكون مستوى السائل عند حافة قاع فتحة سدادة التعبئة (أو ضمن 1/8 بوصة من القاع) أثناء وجود السيارة على سطح مستو.

التصريف وإعادة التعبئة

راجع "كتيب الخدمة والضمان (السيرة الذاتية للسيارة)" لمعرفة فترات الصيانة الصحيحة.

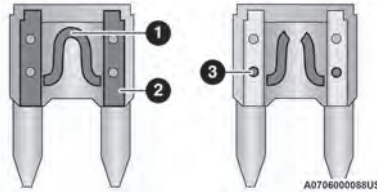
اختيار زيت التشحيم

استخدم فقط المانع الموصى به من الجهة المصنعة ➔ صفحة ٤١٠.

تنبيه!

إذا تعين غسل غرفة المحرك، فتوخ الحذر حتى لا تعرض صندوق المنصهرات ومواتير ماسحة الزجاج الأمامي للماء.

تحمي المنصهرات الأنظمة الكهربائية من التيار الزائد. إذا توقف جهاز عن العمل، فيجب عليك التحقق من عنصر المنصهر الموجود داخل المنصهر ذي الشفرة بحثًا عن احتراق/انصهار. يُرجى الانتباه أيضًا إلى أن استخدام مأخذ الطاقة لفترات زمنية طويلة أثناء إيقاف تشغيل المحرك قد يؤدي إلى تفريغ بطارية السيارة.



منصهرات الشفرات

- 1 — عنصر المنصهر
- 2 — منصهر ذو شفرة مع عنصر منصهر بحالة جيدة/يعمل
- 3 — منصهر ذو شفرة مع عنصر منصهر بحالة رديئة/لا يعمل (منصهر محترق).

مستوى سائل المحور الخلفي ومحور القيادة الأمامي 4x4

لإجراء عمليات الصيانة العادية، لا يلزم إجراء عمليات فحص دورية لمستوى السائل. عند صيانة السيارة لأسباب أخرى، يجب فحص الأسطح الخارجية لمجموعة محور الدوران. في حالة الشك في تسريب زيت التروس، افحص مستوى السائل ➤ صفحة ٤١٠. يجب إجراء هذا الفحص عند توقف السيارة على سطح مستو.

يجب أن يكون مستوى الوقود مستويًا مع أسفل فتحة التعبئة (ضمن 1/4 بوصة (6.4 مم) من حافة الفتحة) بالنسبة للمحور الأمامي والمحور الخلفي.

التصريف وإعادة التعبئة

راجع "كتيب الخدمة والضمان (السيرة الذاتية للسيارة)" لمعرفة فترات الصيانة الصحيحة.

اختيار زيت التشحيم

لمزيد من المعلومات ➤ صفحة ٤١٠.

ملاحظة:

يؤدي وجود الماء في زيت تشحيم التروس إلى تآكل مكونات التروس التفاضلية واحتمال تلفها. يتطلب تشغيل السيارة في الماء، مثلما يحدث في بعض أنواع الخدمة خارج الطرق السريعة، تصريف سائل محور الدوران وإعادة تعبئته لتجنب التلف.

التروس التفاضلية محدودة الانزلاق

تتطلب المحاور الخلفية المزودة بالتروس التفاضلية المحدودة الانزلاق إضافة 148 مل (5 أونصات) من مادة Mopar® Limited Slip Additive إلى زيت

تغييرات السائل والفلتير

في ظروف التشغيل العادية، يوفر السائل الذي تتم إضافته في المصنع تشحيمًا مناسبًا لعمر السيارة.

لا يلزم إجراء عمليات تغيير دورية للسائل والفلتر. إلا أنه ينبغي تغيير السائل والفلتر إذا أصبح السائل ملوثًا (بالماء، أو ما شابه) أو إذا كان ناقل الحركة مفكوك لأي سبب.

اختيار زيت التشحيم

من المهم استخدام زيت ناقل الحركة المناسب لضمان الأداء والعمر المثاليين لناقل الحركة. استخدم فقط سائل ناقل الحركة الذي توصي به الجهة المصنعة

➤ صفحة ٤١٠. من الضروري أن يتم الاحتفاظ بسائل ناقل الحركة عند المستوى الصحيح باستخدام السائل الموصى باستخدامه. لا يلزم وضع أي مواد كيميائية في أي ناقل حركة، ولكن يكفي استخدام زيت التشحيم المعتمد فقط.

تنبيه!

إن استخدام سائل ناقل حركة آخر غير ذلك الموصى باستخدامه من قبل الجهة المصنعة، قد يؤدي إلى تدهور جودة ناقل الحركة و/أو احتكاك محول العزم ➤ صفحة ٣٧٥.

تنبيه!

لا تستخدم مواد كيميائية في ناقل الحركة مثل الكيماويات التي يمكن أن تتلف مكونات ناقل الحركة. لا يغطي ضمان السيارة الجديدة المحدود مثل هذا التلف.

فحص مستوى السائل

يتم ضبط مستوى السائل مسبقًا في المصنع ولا يتطلب ضبطًا تحت ظروف التشغيل العادية. لا يلزم إجراء فحوصات دورية لمستوى السائل، لذا لا يحتوي ناقل الحركة على عصا قياس. يمكن للوكيل المعتمد فحص مستوى سائل ناقل الحركة باستخدام أدوات خدمة خاصة. إذا لاحظت أي تسرب في السائل أو خللاً في ناقل الحركة، فقم بزيارة الوكيل المعتمد على الفور لفحص مستوى سائل ناقل الحركة. يمكن أن يتسبب تشغيل السيارة في ظل وجود مستوى سائل غير صحيح في حدوث تلف شديد بناقل الحركة.

تنبيه!

إذا حدث تسرب في سائل تبريد ناقل الحركة، فقم بزيارة وكيل معتمد على الفور. حيث يمكن أن يؤدي ذلك إلى تلف بالغ في ناقل الحركة. يمتلك الوكيل المعتمد الأدوات المناسبة لضبط مستوى السائل بشكل دقيق.

- حافظ على نظافة مقدمة الرادياتير. إذا كانت السيارة مزودة بمكيف للهواء، فحافظ أيضًا على نظافة مقدمة المكثف.
- لا تغير الترموستات عند تشغيل السيارة في الصيف أو في الشتاء. إذا تطلب الأمر استبدال الترموستات، فقم بتركيب ترموستات من النوع الملائم فقط. قد يتسبب استخدام تصميمات أخرى إلى ضعف أداء سائل تبريد المحرك، وعدم إمداد السيارة بالبنزين بشكل صحيح، وتزايد الانبعاثات.

نظام الفرامل

للتأكد من مستوى أداء نظام الفرامل، ينبغي فحص جميع مكونات نظام الفرامل دوريًا. راجع "كتيب الخدمة والضمان (السيرة الذاتية للسيارة)" لمعرفة فترات الصيانة الصحيحة.

تحذير!

تؤدي إراحة القدم على الفرامل إلى تلفها واحتمال وقوع حادث اصطدام. حيث إن القيادة مع إراحة القدم على دواسة الفرامل يمكن أن يتسبب في ارتفاع درجة حرارة الفرامل بشكل غير طبيعي وتآكل البطانة وتلف الفرامل. وبالتالي لن تتمكن من الاستفادة من قدرة الكبح الكاملة في حالات الطوارئ.

فحص مستوى السائل — أسطوانة الفرامل الرئيسية

يجب فحص مستوى السائل في أسطوانة الفرامل الرئيسية عند صيانة السيارة أو فحصه على الفور عند إضاءة الضوء التحذيري بشأن نظام الفرامل. إذا لزم الأمر، فقم بإضافة السائل حتى يتحرك المستوى إلى ما بين العلامات المخصصة على جانب خزان أسطوانة الفرامل الرئيسية. احرص على تنظيف قمة منطقة الأسطوانة الرئيسية قبل فك الغطاء. عند استخدام الفرامل القرصية، فإنه يتوقع هبوط مستوى السائل كلما زاد مستوى التلف في بطانة الفرامل. ينبغي فحص مستوى سائل الفرامل عند تغيير بطانة الفرامل. إذا كان سائل الفرامل منخفضًا بشكل غير طبيعي، فافحص النظام بحثًا عن تسربات ➡ صفحة ٤١٠.

تحذير!

- استخدم سائل الفرامل الذي توصي به الجهة المُصنِّعة فقط ➡ صفحة ٤١٠. يمكن أن يؤدي استخدام نوع خاطئ من سائل الفرامل إلى تلف نظام الفرامل و/أو خفض أدائه بشكل كبير. يوجد النوع الصحيح من سائل الفرامل الخاص بسيارتك في الملصق الموجود على خزان الأسطوانة الرئيسية الهيدروليكية الأصلية المركبة بالمصنع.
- لتجنب التلوث من مواد خارجية أو الرطوبة، لا تستخدم سوى سائل فرامل جديد أو سائل معبأ في حاوية محكمة الغلق. أحكم غلق غطاء خزان الأسطوانة الرئيسية في كل الأوقات. يمتص سائل الفرامل الموجود في حاوية مفتوحة الرطوبة من الهواء مما يؤدي إلى انخفاض نقطة الغليان. قد ينجم عن ذلك

(تابع)

تحذير!

غليان السائل على نحو غير متوقع أثناء استخدام الفرامل بطريقة عنيفة أو لوقت طويل، والذي قد يؤدي بدوره إلى تعطل مفاجئ في الفرامل. وقد يتسبب ذلك في حدوث تصادم.

- يمكن أن يؤدي ملء خزان سائل الفرامل بشكل زائد عن الحد إلى تساقط سائل الفرامل على أجزاء المحرك مما قد يؤدي إلى اشتعال سائل الفرامل. ومن الممكن أن يسبب سائل الفرامل أيضًا تلف الأسطح المطلية وأسطح الفينيل، ولذا يجب توخي الحذر لتجنب ملامسته لهذه الأسطح.

- لا تسمح للسائل ذي الأساس البترولي بتلويث سائل الفرامل. يمكن أن تتلف مكونات مانع التسرب الخاص بالفرامل مما يؤدي إلى تعطل الفرامل بشكل جزئي أو كلي. وقد يتسبب ذلك في حدوث تصادم.

ناقل الحركة الأوتوماتيكي

المواد المضافة الخاصة

توصي الجهة المُصنِّعة بشدة بعدم استخدام أي إضافات خاصة إلى ناقل الحركة. إن سائل ناقل الحركة الأوتوماتيكي (ATF) هو أحد المنتجات الهندسية وقد يتأثر أدائه بشكل سلبي نتيجة لاستخدام مواد إضافية مكملة. ولذلك لا تقم بإضافة أي سوائل إضافية إلى ناقل الحركة. تجنب استخدام مواد منع تسرب ناقل الحركة لأنها قد تؤثر بشكل سلبي على السدادات.

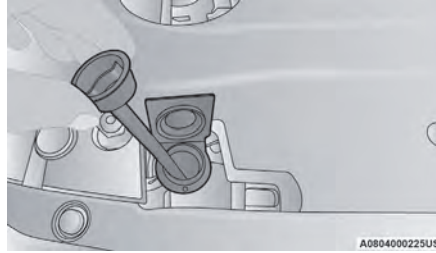
إرشادات نظام التبريد

ملاحظة:

عند توقف السيارة بعد قطع بضعة أميال/كيلومترات قليلة بعد التشغيل قد تلاحظ تصاعد بخار من مقدمة غرفة المحرك. يعد ذلك نتيجة طبيعية للرطوبة الموجودة في الهواء بسبب الأمطار أو الثلوج، أو كنتيجة لتجمع الرطوبة العالية على الرادياتير وتبخرها عند فتح الترموستات، مما يسمح لسائل تبريد المحرك (مانع التجمد) الساخن بالدخول إلى الرادياتير.

إذا لم تتمكن من مشاهدة أي أثر للتسرب من الرادياتير أو من الخرطوم نتيجة لفحص غرفة المحرك، فيمكن قيادة السيارة بأمان. حيث سيختفي البخار سريعاً.

- لا تملأ زجاجة امتداد سائل التبريد بشكل زائد عن الحد.
- تحقق من نقطة تجمد سائل التبريد في الرادياتير وفي زجاجة امتداد سائل التبريد. وإذا تطلب الأمر إضافة مزيد من سائل تبريد المحرك، فيجب حماية محتويات زجاجة تمديد سائل التبريد أيضاً من التجمد.
- إذا تطلب الأمر إضافة سائل تبريد المحرك بشكل متكرر، فينبغي اختبار مستوى الضغط داخل نظام التبريد للتأكد من عدم وجود أي تسربات.
- احتفظ بتركيز سائل تبريد المحرك عند 50% من سائل تبريد المحرك ذي تقنية الإضافات العضوية (OAT) (المتوافق مع المعيار MS.90032) كحد أدنى والماء المقطر للوقاية من تآكل المحرك الذي يحتوي على مكونات من الألومنيوم.
- تأكد أن خرطوم التدفق الزائد لزجاجة امتداد سائل التبريد غير ملتوية أو مسدودة.



عصا قياس خزان سائل التبريد

3. افحص مستوى سائل التبريد من خلال عصا القياس. يظل الرادياتير ممتلئاً تماماً بشكل طبيعي، وبالتالي لا توجد حاجة إلى فك غطاء الرادياتير إلا عند الرغبة في فحص نقطة تجمد سائل تبريد المحرك (مانع التجمد) أو استبداله. عليك إفادة مسؤول الخدمة الخاص بك بهذه المعلومات. وطالما كانت درجة حرارة تشغيل المحرك مقبولة، فلن يلزم فحص حاوية سائل التبريد إلا مرة واحدة كل شهر. إذا تطلب الأمر إضافة سائل تبريد المحرك للحفاظ على المستوى المناسب لسائل التبريد، فيجب إضافته إلى زجاجة سائل التبريد. لا تتجاوز حد الملء.

فحص مستوى سائل التبريد — المحرك سعة 3.6 لتر

ينبغي أن يظل مستوى سائل التبريد في زجاجة سائل التبريد المضغوط بين نطاقي "MIN" (الحد الأدنى) و"MAX" (الحد الأقصى) المحددين عليها عندما يكون المحرك بارداً.

يظل الرادياتير ممتلئاً تماماً بشكل طبيعي، وبالتالي لا توجد حاجة لفك غطاء الرادياتير إلا عند الرغبة في فحص نقطة تجمد مانع تجمد سائل التبريد أو استبدال سائل تبريد المحرك (مانع التجمد). عليك إفادة مسؤول الخدمة الخاص بك بهذه المعلومات. وطالما كانت درجة حرارة تشغيل المحرك مقبولة، فلن يلزم فحص حاوية سائل التبريد إلا مرة واحدة كل شهر. إذا تطلب الأمر إضافة سائل تبريد المحرك للحفاظ على المستوى المناسب لسائل التبريد، فيجب إضافته إلى زجاجة سائل التبريد. لا تتجاوز حد الملء.

فحص مستوى سائل التبريد — المحركات سعة 5.7 لتر

عندما يكون المحرك متوقفاً وبارداً، ينبغي أن يكون مستوى سائل تبريد المحرك بين النطاقيين ADD (إضافة) وSAFE (أمن) على عصا القياس.

لفحص مستوى سائل التبريد:

1. افتح خزان سائل التبريد.
2. ارفع عصا القياس البلاستيكية وأخرجها من عنق الخزان.

إضافة سائل التبريد

تحتوي سيارتك على سائل تبريد المحرك (سائل تبريد ذي تقنية الإضافات العضوية (OAT) متوافق مع متطلبات معيار مواد MS.90032) محسن يطيل المدة اللازمة للصيانة. يمكن استخدام سائل تبريد المحرك (مانع التجمد) لفترة تصل إلى عشر سنوات أو 240000 كم (150000 ميل) قبل استبداله. لمنع انخفاض مدة الصيانة الممتدة هذه، من المهم استخدام سائل تبريد المحرك نفسه (سائل تبريد ذي تقنية الإضافات العضوية (OAT) متوافق مع متطلبات معيار مواد MS.90032)، طوال فترة استخدام السيارة.

يُرجى الرجوع إلى توصيات استخدام سائل تبريد المحرك ذي تقنية الإضافات العضوية (OAT) والذي يتوافق مع متطلبات معيار المواد القياسية MS.90032 للجهة المُصنِّعة. عند إضافة سائل تبريد المحرك:

- ننصح باستخدام تركيبة مانع التجمد/سائل تبريد من Mopar® الذي يتم تغييره كل 10 سنوات/240000 كم (150000 ميل) ذي تقنية الإضافات العضوية (OAT) والتي تتوافق مع متطلبات معيار المواد القياسية MS.90032 للجهة المُصنِّعة.
- امزج محلول سائل تبريد المحرك ذي تقنية الإضافات العضوية (OAT) والذي يتوافق مع متطلبات معيار المواد القياسية MS.90032 للجهة المُصنِّعة بنسبة 50% مع ماء مقطر. يلزم إضافة تركيزات عالية (لا تتعدى 70%) في حالة ما إذا كانت درجة الحرارة أقل من -37 درجة مئوية (-34 درجة فهرنهايت). يُرجى الاتصال بوكيل معتمد للحصول على المساعدة.

- استخدم ماءً عالي النقاء فقط مثل الماء المقطر أو الماء غير المتأين عند خلط محلول الماء مع محلول سائل تبريد المحرك. يقلل استخدام الماء المنخفض الجودة من مقدار الحماية ضد الصدأ في نظام تبريد المحرك.

ملاحظة:

- أنه من مسؤولية المالك الحفاظ على مستوى الحماية الصحيح ضد التجمد تبعاً لدرجات الحرارة التي تحدث في المناطق التي يتم فيها تشغيل السيارة.
- تتطلب بعض السيارات أدوات خاصة لإضافة سائل التبريد بصورة صحيحة. قد يتسبب عدم مراعاة ملء هذه الأنظمة بصورة صحيحة إلى حدوث تلف داخلي بالغ بالمحرك. في حال تطلب الأمر إضافة أي سائل تبريد إلى النظام، يُرجى الاتصال بالوكيل المعتمد.
- لا يُوصى بمزج أنواع سائل تبريد المحرك حيث يمكن أن يتسبب في تلف نظام التبريد. وإذا تم خلط سائل تبريد بتقنية المواد العضوية المضافة المهجنة (HOAT) مع سائل تبريد بتقنية الإضافات العضوية (OAT) في حالة الطوارئ، فاطلب من الوكيل المعتمد تنظيفه وغسله وإعادة ملئه باستخدام سائل تبريد بتقنية الإضافات العضوية (OAT) (متوافق مع متطلبات معيار مواد MS.90032) في أسرع وقت ممكن.

نظام التبريد، غطاء ضغط

يجب إحكام غلق الغطاء بالكامل لتجنب فقدان سائل تبريد المحرك (مانع التجمد) والتأكد من رجوع سائل التبريد إلى الرادياتير من زجاجة تمديد سائل التبريد/خزان التبريد، إذا كانت السيارة مزودة بذلك.

ينبغي فحص غطاء ضغط سائل التبريد وتنظيفه في حالة تراكم أي مواد غريبة على أسطح مانع التسرب.

تحذير!

- لا تفتح نظام تبريد المحرك الساخن. لا تضيف سائل تبريد المحرك (مانع التجمد) إذا كانت درجة حرارة المحرك زائدة عن الحد. لا تفك الغطاء أو ترفعه تماماً لتبريد المحرك إذا كانت درجة حرارته زائدة عن الحد. تؤدي السخونة الشديدة إلى رفع مستوى الضغط في نظام التبريد. لمنع حدوث الاحتراق أو الإصابة، لا تفك غطاء ضغط سائل التبريد إذا كان نظام التبريد ساخناً أو واقعاً تحت ضغط.
- لا تستخدم غطاء ضغط غير المحدد لسيارتك. فقد ينجم عن ذلك التعرض لإصابة شخصية أو تلف المحرك.

التخلص من سائل التبريد المستخدم

يعد سائل التبريد (مانع التجمد) الذي يتكون بصورة أساسية من إيثيلين الجليكول مادة معدلة يلزم التخلص منها بطريقة صحيحة. راجع الأمر مع السلطات المحلية لديك لتحديد القواعد المنظمة للتخلص من تلك المواد الخاصة بمجتمعك. لمنع تناوله بواسطة الحيوانات أو الأطفال، لا تقم بتخزين سائل التبريد الذي يتكون بصورة أساسية من جليكول الإيثيلين في حاويات مفتوحة، ولا تسمح بتجمعه على شكل برك صغيرة على الأرض، وقم بتنظيف أي سكب على الأرض على الفور. إذا تم تناوله، فاطلب المساعدة الطارئة على الفور.

نظام التبريد

تحذير!

- يمكنك كما يمكن للآخرين التعرض لخطر الاحتراق بواسطة سائل تبريد المحرك أو البخار الساخن المتصاعد من الرادياتير. إذا رأيت أو سمعت صوت الأبخرة المتصاعدة من أسفل غطاء المحرك، فلا تفتح الغطاء حتى يبرد الرادياتير. لا تقم مطلقاً بفتح غطاء ضغط نظام التبريد إذا كان الرادياتير أو زجاجة سائل التبريد ساخنين.
- حافظ على بقاء اليدين والأدوات والملابس والمجوهرات بعيداً عن مروحة تبريد الرادياتير عند رفع غطاء المحرك. يبدأ تشغيل المروحة تلقائياً، وقد يبدأ في أي وقت، سواء كان المحرك يعمل أو لا يعمل.
- عند العمل بالقرب من مروحة تبريد الرادياتير، افصل طرف توصيل مروحة الرادياتير، أو حرك مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل). تعمل مروحة الرادياتير وفقاً لدرجة الحرارة ويمكنها أن تنطلق في أي وقت عندما يكون مفتاح التشغيل في وضع ON (التشغيل).

عمليات فحص سائل تبريد المحرك

افحص واقي سائل تبريد المحرك (مانع التجمد) كل 12 شهراً (قبل حلول طقس التجمد، متى توفرت الفرصة لذلك). إذا كان محلول تبريد المحرك متسخاً أو ممثلاً بالصدأ الواضح، فيجب تجفيف النظام وغسله وإعادة ملئه بمحلول تبريد جديد. افحص مكثف مكيف الهواء (إذا كانت السيارة مزودة بذلك) أو الرادياتير بحثاً عن أي تراكم

ملاحظة:

- قد يترتب على خلط سائل تبريد المحرك (مانع التجمد) بمادة تبريد أخرى غير سائل تبريد المحرك ذي تقنية الإضافات العضوية (OAT) المحدد تلف المحرك واحتمال انخفاض الوقاية من التآكل. سائل تبريد المحرك OAT مختلف ويجب ألا يتم خلطه مع سائل تبريد المحرك ذي تقنية المواد العضوية المضافة (HOAT) أو أي سائل تبريد "متوافق عالمياً". في حال توفير سائل تبريد غير سائل التبريد ذي تقنية المواد العضوية المضافة (OAT) في نظام التبريد والحالات الطارئة، سيحتاج نظام التبريد إلى التصريف والشفط وإعادة تعبئته بسائل تبريد جديد ذي تقنية المواد العضوية المضافة (OAT) (متوافق مع MS.90032)، بواسطة وكيل معتمد في أقرب وقت.
- لا تستخدم الماء فقط أو منتجات سائل تبريد المحرك ذات الأساس الكحولي. لا تستخدم مواد إضافية مانعة للصدأ أو منتجات مقاومة للصدأ، حيث إنها قد لا تتوافق مع سائل تبريد المحرك في الرادياتير وقد تسد الرادياتير.
- هذه السيارة غير مصممة بحيث يمكن استخدام سائل تبريد المحرك التي تستند إلى قاعدة من بروبيلين الجليكول. لا يُوصى باستخدام سائل تبريد المحرك التي تستند إلى قاعدة من بروبيلين الجليكول.
- تتطلب بعض السيارات أدوات خاصة لإضافة سائل التبريد بصورة صحيحة. قد يتسبب عدم مراعاة ملء هذه الأنظمة بصورة صحيحة إلى حدوث تلف داخلي بالغ بالمحرك. في حالة الحاجة إلى إضافة أي سائل تبريد إلى النظام، يُرجى الاتصال بوكيل معتمد.

للحشرات أو أوراق الشجر، الخ. وإذا كانا متسخين، فقم بتنظيفهما عن طريق رش الماء برفق من خرطوم حديقة رأسياً إلى أسفل وجه مكثف مكيف الهواء (إذا كانت السيارة مزودة بذلك) أو مؤخرة قلب الرادياتير.

افحص خراطيم نظام تبريد المحرك للتأكد من عدم تقطع المطاط أو حدوث تشققات أو تآكلات أو تقطعات أو ضيق في الوصلة الموجودة في زجاجة استرجاع سائل التبريد والرادياتير. افحص النظام بأكمله للتأكد من عدم وجود أي تسرب.

لا ترفع غطاء ضغط سائل التبريد إذا كان نظام التبريد ساخناً.

نظام التبريد — التصريف والغسل وإعادة التعبئة

ملاحظة:

تتطلب بعض السيارات أدوات خاصة لإضافة سائل التبريد بصورة صحيحة. قد يتسبب عدم مراعاة ملء هذه الأنظمة بصورة صحيحة إلى حدوث تلف داخلي بالغ بالمحرك. في حالة الحاجة إلى إضافة أي سائل تبريد إلى النظام، يُرجى الاتصال بوكيل معتمد.

إذا كان سائل تبريد المحرك (مانع التجمد) متسخاً أو يحتوي على ترسبات مرئية، فاطلب من الوكيل المعتمد تنظيفه وغسله باستخدام سائل تبريد ذي تقنية الإضافات العضوية (OAT) (متوافق مع متطلبات معيار MS.90032).

راجع "كتيب الخدمة والضمان (السيرة الذاتية للسيارة)" للتعرف على الفواصل الزمنية الصحيحة للصيانة.

اختيار سائل التبريد

لمزيد من المعلومات ➡ صفحة ٤٠٩.

3. حرك شفرة الماسحة لأعلى في الخفاف على ذراع الماسحة، وسوف يصدر تعشيق المزلاج صوت طقطقة مسموعة.

4. اخفض شفرة الماسحة برفق على الزجاج.

نظام العادم

تعد أفضل وسيلة لحماية السيارة من تسرب غاز أول أكسيد الكربون إلى داخلها هو نظام عادم المحرك.

إذا لاحظت وجود تغير في صوت نظام العادم، أو إذا لاحظت تصاعد أدخنة العادم داخل السيارة، أو في حالة تلف الجانب السفلي من السيارة أو الجزء الخلفي منها، فيمكنك استدعاء أحد الفنيين المؤهلين لفحص نظام العادم بالكامل والجوانب القريبة من الجزء التالف من هيكل السيارة للتأكد من عدم وجود كسور أو تلفيات أو تركيب أجزاء العادم بطريقة خاطئة. الشقوق أو التوصيلات غير المحكمة العلق والتي قد تسمح لأدخنة العادم بالتسلل إلى داخل مقصورة الركاب. وبالإضافة إلى ذلك، افحص نظام العادم بمعرفة الفني في كل مرة يتم فيها رفع السيارة بغرض التشحيم أو تغيير الزيت. استبدل نظام العادم إذا تطلب الأمر.

تحذير!

- إن غازات العادم يمكن أن تسبب الأذى أو الوفاة. فهي تحتوي على أول أكسيد الكربون (CO) وهو عديم اللون والرائحة. وقد يتسبب في فقدان الوعي والتسمم إذا استنشقت. لتجنب تنفس أول أكسيد الكربون، راجع صفحة ٣٣٦.

(تابع)

تحذير!

- إن سخونة نظام العادم قد تحدث حريقاً إذا كانت السيارة متوقفة فوق مواد قابلة للاشتعال. وقد تكون هذه المواد من الحشائش أو الأوراق التي تتصل مع نظام العادم. لا توقف السيارة أو تقوم بتشغيلها في مناطق يحتمل فيها حدوث اتصال بين نظام العادم وأي شيء قابل للاحتراق.

تنبيه!

- يستلزم استخدام المحول الحفاز استخدام الوقود الخالي من الرصاص فقط. سيدمر البنزين المخلوط بالرصاص فعالية المحول الحفاز باعتباره جهاز تحكم في الانبعاثات وقد يؤدي إلى خفض أداء المحرك بشكل كبير. ويتسبب في تلف جسيم بالمحرك.
- وقد يحدث تلف في المحول الحفاز إذا لم يتم تشغيل السيارة في ظروف تشغيل صحيحة. وفي حالة تعطل محرك السيارة، كان يحدث احتراق خاطئ بالمحرك أو أي تفاوت واضح في الأداء، فعليك الاتجاه إلى مركز الصيانة لخدمة السيارة. حيث إن التشغيل المستمر للسيارة مع وجود عطل خطير بها قد يؤدي إلى ارتفاع درجة حرارة المحول الحفاز بشكل زائد، مما يترتب عليه حدوث تلف في المحول الحفاز والسيارة.

وفي ظل ظروف التشغيل العادية، لا يتطلب الأمر إجراء أعمال صيانة في المحول الحفاز. إلا أنه من الضروري العمل على صيانة المحرك بشكل صحيح للتأكد من تشغيل عامل الحفز بطريقة صحيحة ومنع حدوث أي تلف محتمل في المحول الحفاز.

ملاحظة:

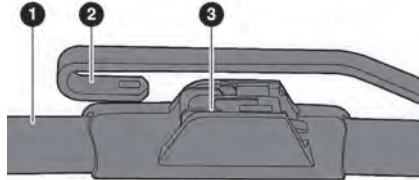
يؤدي العبث المتعمد بأنظمة التحكم في الانبعاثات إلى صدور عقوبات مدنية ضدك.

في المواقف غير المعتادة التي تشمل تعطل المحرك، قد يشير انبعاث راحة لاذعة إلى ارتفاع درجة حرارة المحول الحفاز إلى درجة غير طبيعية. في حالة حدوث ذلك، أوقف السيارة، وأوقف تشغيل المحرك واترك المحرك يبرد. ينبغي إجراء أعمال الصيانة التي تتضمن الضبط وفقاً للمواصفات المحددة من قبل الشركة المصنعة على الفور.

لتقليل احتمال تلف المحول الحفاز:

- لا تقم بإيقاف التشغيل عندما يكون ناقل الحركة معشفاً في أحد التروس والسيارة تتحرك.
- لا تحاول بدء تشغيل المحرك عن طريق دفع السيارة أو سحبها.
- لا تحاول تشغيل المحرك على سرعة التباطؤ أثناء فصل أو نزاع أي مكون من مكونات الإشعال، على سبيل المثال، أثناء إجراء عمليات الفحص، أو لفترات زمنية طويلة أثناء كل محاولة عنيفة لتشغيل المحرك في سرعة التباطؤ، أو في ظروف التشغيل غير المواتية.

2. لفصل شفرة الماسحة من ذراع الماسحة، اضغط على لسان التحرير الموجود على شفرة الماسحة وقم بالضغط على ذراع الماسحة بيد واحدة، وحرك شفرة الماسحة إلى الأسفل باتجاه قاعدة ذراع الماسحة.



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شفرة الماسحة مع لسان التحرير في وضع إلغاء القفل

- 1 — شفرة الماسحة
- 2 — الخطاف على شكل حرف L الخاص بذراع الماسحة
- 3 — مثبت الخطاف على شكل L

3. أثناء فصل شفرة الماسحة، أزل شفرة الماسحة من ذراع الماسحة.

4. اخفض ذراع الماسحة برفق على الزجاج.

تركيب الماسحات الأمامية

1. ارفع ذراع الماسحة من على الزجاج، حتى يكون ذراع الماسحة في الوضع العلوي الكامل.
2. ضع شفرة الماسحة بالقرب من الخطاف الموجود على طرف ذراع الماسحة.

- المواد الغريبة
- الجفاف أو التشققات
- التشوه أو العطل

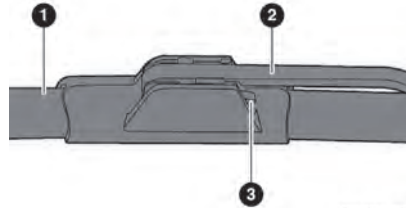
إذا تلفت شفرة الماسحة أو ذراع الماسحة، فاستبدل ذراع أو شفرة الماسحة المتأثرة بأخرى جديدة. لا تحاول إصلاح شفرة أو ذراع الماسحة التالفة.

تركيب/إزالة شفرات الماسحة

تنبيه!

لا تسمح بارتداد ذراع الماسحة إلى الزجاج دون وجود شفرة الماسحة في مكانها وإلا فقد يتلف الزجاج.

1. ارفع ذراع الماسحة لرفع شفرة الماسحة عن الزجاج، حتى يكون ذراع الماسحة في الوضع العلوي الكامل.



A0804000187US

شفرة الماسحة مع لسان التحرير في وضع القفل

- 1 — شفرة الماسحة
- 2 — ذراع الماسحة
- 3 — لسان التحرير

ينبغي أيضًا تشحيم أسطوانات القفل الخارجية مرتين في العام، ويفضل إجراء ذلك مرة في فصل الخريف ومرة أخرى في فصل الربيع. ضع مقدارًا قليلًا من زيت التشحيم عالي الجودة مثل زيت تشحيم أسطوانات القفل من Mopar® مباشرة داخل أسطوانة القفل.

شفرة ماسحة الزجاج الأمامي

ينبغي تنظيف الزوايا المطاطية لشفرات المساحة والزجاج الأمامي دوريًا بواسطة قطعة من الإسفنج أو القماش الخفيف ومنظف لطيف لا يسبب أي خدوش. حيث يتم بذلك التخلص من تراكمات الملح أو الأتربة الرقيقة العالقة من الطريق.

قد يؤدي تشغيل الماسحات على الزجاج وهو جاف لفترات زمنية طويلة إلى تلف شفرات الماسحة. استخدم دوماً سائل الغاسلة عند استخدام الماسحات لإزالة الملح أو الأوساخ عن الزجاج الأمامي الجاف.

تجنب استخدام شفرات الماسحة لإزالة الصقيع أو الثلج عن الزجاج الأمامي. احرص على إبعاد مطاط الماسحة عن ملاسمة المنتجات البترولية مثل زيت المحرك أو البنزين، إلخ.

ملاحظة:

يختلف العمر المتوقع لشفرات الماسحة حسب المنطقة الجغرافية وتكرار الاستخدام. في حالة وجود صوت اصطكاك، أو علامات، أو خطوط مياه، أو مناطق مبتلة، فقم بتنظيف شفرات المساحات أو استبدلها عند الحاجة.

يجب فحص شفرات الماسحة وأذرع الماسحة بشكل دوري، وليس فقط عند مواجهة مشاكل في أداء الماسحة. يجب أن يتضمن هذا الفحص النقاط التالية:

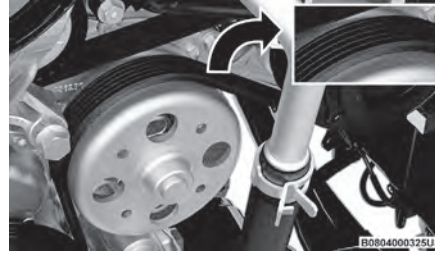
- التآكل أو الحواف غير المتساوية

فحص سير تشغيل الملحقات

تحذير!

- لا تحاول فحص سير تشغيل قطع الغيار أثناء تشغيل السيارة.
- عند العمل بالقرب من مروحة تبريد الرادياتير، افصل طرف توصيل موتور المروحة. يتم التحكم في درجة حرارة المروحة ويمكنها أن تنطلق في أي وقت بغض النظر عن وضع مفتاح التشغيل. قد تتعرض للإصابة بريش المروحة المتحركة.
- يمكنك أن تتعرض للإصابة في حالة العمل داخل أحد المحركات أو حوله. لا تقم إلا بأعمال صيانة التي لديك معرفة بها وتمتلك المعدات المناسبة للقيام بها. وإذا تشككت في قدرتك على إجراء أعمال الخدمة في السيارة، خذ سيارتك إلى أحد فنيي الميكانيكا المؤهلين.

عند فحص سيور تشغيل قطع الغيار، يعتبر وجود الشقوق الصغيرة الموجودة على سطح الحزام من الضلع إلى الضلع أمرًا طبيعيًا. ولا تعد سببًا لاستبدال الحزام. ومع ذلك، لا تعد الشقوق الموجودة على طول الضلع (وليس عبره) أمرًا طبيعيًا. يجب استبدال أي حزام به شقوق تسري على طول الضلع. وأيضًا قم باستبدال الحزام في حالة وجود تآكل مفرط أو أسلاك بالية أو طلاء متهاك.



سير قطع الغيار (السير الملتنف)

الحالات التي تتطلب القيام بعملية الاستبدال:

- تشقق الضلع (انفصال ضلع أو أكثر من جسم السير)
- تآكل الضلع أو السير
- تشقق السير طولياً (تشققات بين ضلعين)
- انزلاق السير
- خروج الحزوز عن موضعها (السير لا يستقر في الموضع الصحيح على البكرة)
- السير مقطوع
- ضوضاء (سماع صوت صرير أو طقطقة أو صخب عالي أو الشعور به أثناء عمل سير التشغيل)

ملاحظة:

اعرف المشكلة وحاول حلها قبل تركيب سير جديد.

ملاحظة:

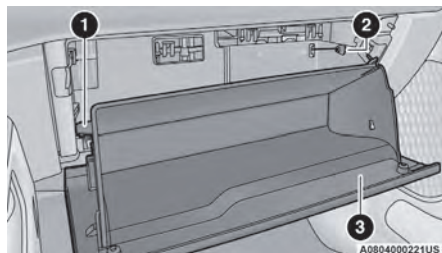
إذا كانت سيارتك مزودة بسير Stop/Start (الإيقاف/البداية)، يجب استبداله بسير من فئة الجهة المصنعة الأصلية من Mopar®.

يمكن أن تكون بعض الظروف ناشئة عن مكون معيب كبكرة السير. يجب فحص بكرات السير بعناية بحثاً عن وجود تلف أو محاذاة صحيحة.

يتطلب استبدال السير في بعض الطرز استخدام أدوات خاصة، لذا فإننا نوصي بإجراء صيانة السيارة لدى الوكيل المعتمد.

تشحيم هيكل السيارة

يجب تشحيم الأقال وجميع النقاط المحورية الموجودة على جسد السيارة، التي تتضمن مسارات المقاعد والنقاط المحورية لمفصلات الأبواب وباب المؤخرة والباب الخلفي وغطاء الحقيبة والأبواب المنزلقة ومفصلات غطاء المحرك، بشكل دوري. استخدم شحماً ذا قاعدة من الليثيوم، مثل Mopar® Spray White Lube، لتأكيد عملها بشكل سهل وهادئ ولحمايتها ضد الغبار والتآكل. وقيل وضع أي زيت تشحيم؛ ينبغي مسح الأجزاء المطلوب تشحيمها حتى التأكد من نظافتها لإزالة الأتربة والحيبيات الرملية، وبعد الانتهاء من عملة التشحيم؛ ينبغي إزالة أي زيوت تشحيم أو شحومات زائدة. ينبغي أيضاً الانتباه على وجه الخصوص لمكونات مزلاج غطاء المحرك للتأكد من عملها بطريقة صحيحة. وفي حالة إجراء أية أعمال صيانة أخرى تحت غطاء المحرك؛ ينبغي تنظيف مزلاج غطاء المحرك وآلية فتح الغطاء وماسك الأمان وتزيينتها.



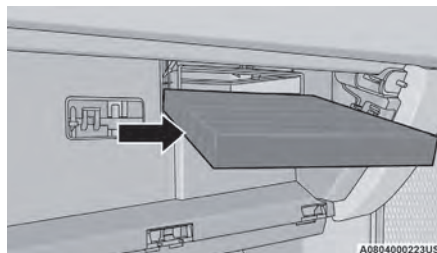
صندوق القفازات

- 1 — مصد حركة صندوق القفازات
- 2 — شريط شد صندوق القفازات
- 3 — باب صندوق القفازات

ملاحظة:

تأكد من تشييق مفصلات صندوق القفازات وسدادات حركة باب صندوق القفازات بالكامل.

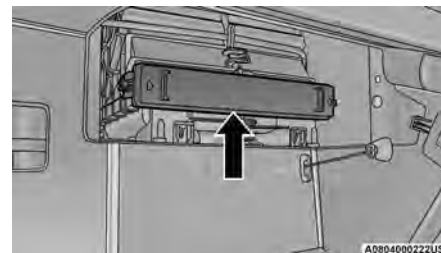
10. أعد تركيب شريط شد صندوق القفازات عن طريق إدخال مشبك الشريط في صندوق القفازات وتحريك المشبك بعيدًا عن وجه باب صندوق القفازات.



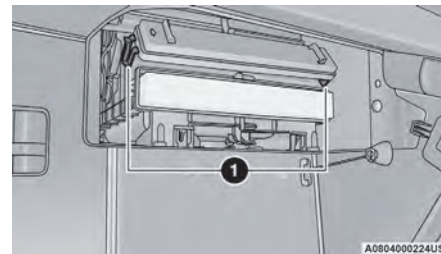
فلتر هواء الكابينة

7. قم بتركيب فلتر هواء الكابينة باستخدام السهم الموجود في الفلتر الذي يشير إلى الأرض. عند تركيب غطاء الفلتر، اضغط على كل طرف حتى تسمع صوت طقطقة.

تنبيه!
يتم تمييز فلتر هواء الكابينة بسهم للإشارة إلى اتجاه تدفق الهواء من خلال الفلتر. يؤدي عدم تركيب الفلتر بشكل صحيح إلى الحاجة إلى استبداله بصورة متكررة.



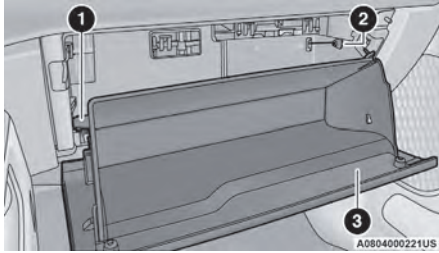
غطاء الفلتر



إزالة غطاء الفلتر

1 — السنة الأصابع

6. قم بإزالة فلتر هواء الكابينة عن طريق سحبه خارج المبيت.



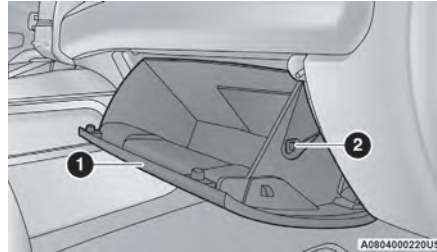
صندوق القفازات

- 1 — مصدر حركة صندوق القفازات
- 2 — شريط شد صندوق القفازات
- 3 — باب صندوق القفازات

4. افصل باب صندوق القفازات من المفصلات عن طريق فتح صندوق القفازات إلى بعد موقفة الحركة وسحبها تجاهك.
5. فك غطاء الفلتر عن طريق الضغط على أسنة الأصابع الموجودة في طرفي غطاء الفلتر.

يوجد فلتر هواء الكابينة في مدخل الهواء النقي خلف صندوق القفازات. قم بالإجراء التالي لاستبدال الفلتر:

1. افتح حجرة القفازات وأخرج كافة المحتويات.
2. عندما يكون باب صندوق القفازات مفتوحاً، فك شريط شد صندوق القفازات ومشبك الشريط عن طريق تحريك المشبك تجاه مقدمة باب صندوق القفازات. ارفع المشبك خارج باب صندوق القفازات وحرره إلى اللوح الفاصل.



الجانب الأيمن من صندوق القفازات

- 1 — باب صندوق القفازات
- 2 — شريط شد صندوق القفازات

3. توجد موقفتان لحركة صندوق القفازات على جانبي باب صندوق القفازات. اضغط للدخول على جانبي صندوق القفازات لتحرير موقوفات حركة صندوق القفازات.

تنبيه!

لا تستعمل مواد كيميائية في أي نظام تكييف هواء حيث إن الكيماويات يمكن أن تتلف مكونات مكيف الهواء. لا يغطي ضمان السيارة الجديدة المحدود مثل هذا التلف.

استعادة سائل التبريد وإعادة تدويره — R-1234yf

سائل تبريد مكيف الهواء R-1234yf هو سائل من الهيدروفلورو أوليفينات (HFO) معتمد من وكالة حماية البيئة، وهو مادة غير ضارة بطيئة الأوزون وإمكانية تسببها في الاحترار العالمي منخفضة. يوصى بإجراء أعمال الصيانة لمكيف الهواء بواسطة وكيل معتمد باستخدام معدة الاستعادة وإعادة التدوير.

ملاحظة:

استخدم زيت الضاغط PAG لنظام مكيف الهواء وسوائل التبريد المعتمدة من الجهة المُصنَّعة فقط.

استبدال فلتر هواء الكابينة

راجع "كتيب الخدمة والضمان (السيرة الذاتية للسيارة)" لمعرفة فترات الصيانة الصحيحة.

تحذير!

لا تَقم بإزالة فلتر هواء الكابينة أثناء تشغيل السيارة، أو عندما يكون مفتاح التشغيل في وضع ACC (الملحقات) أو وضع ON/RUN (التشغيل/الانطلاق). أثناء إزالة فلتر هواء الكابينة وتشغيل المروحة، يمكن أن تلامس المروحة الأيدي وقد تدفع الأتربة والأوساخ إلى عينيك، مما قد يؤدي إلى حدوث إصابة شخصية.

تنبيه!

لا تستخدم أدوات الربط الهوائية على المثبتات، فسوف ينتج عن ذلك تلف.

4. أعد تركيب غطاء الزينة.

صيانة مكيف الهواء

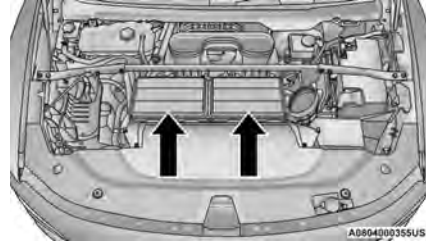
للوصول إلى أفضل أداء ممكن، ينبغي فحص مكيف الهواء وإجراء أعمال الخدمة به بمعرفة الوكيل المعتمد في بداية موسم الصيف. ينبغي أن تتضمن هذه الخدمة تنظيف زعانف المكثف وإجراء اختبار الأداء. ينبغي أيضًا فحص قوة شد سير التشغيل في هذا الوقت.

تحذير!

- استخدم سوائل التبريد وزيت تشحيم الضاغط المعتمدة فقط من قبل الجهة المصنعة لنظام مكيف الهواء. بعض سائل التبريد غير المعتمدة قابلة للاشتعال ويمكن أن تنفجر، مما يؤدي إلى إصابتك. حيث قد تتسبب سائل التبريد أو زيوت التشحيم الأخرى غير المعتمدة في تعطل النظام، مما يتطلب إجراء إصلاحات مكلفة ماديًا. راجع "كتاب معلومات الضمان"، للحصول على مزيد من المعلومات حول الضمان.
- يحتوي نظام مكيف الهواء على سائل تبريد تحت ضغط عالٍ. ولكي تتجنب مخاطر التعرض للإصابة أو تلف النظام، ينبغي إضافة سائل التبريد أو إجراء أي إصلاحات في الأنابيب التي قد تتفصل بواسطة فني مؤهل.

2. ارفع غطاء فلتر تنقية هواء المحرك للوصول إلى الفلتر.

3. أزل عناصر فلتر تنقية هواء المحرك من مجموعة المبيت.



عناصر فلتر تنقية الهواء

تركيب فلتر تنقية هواء المحرك

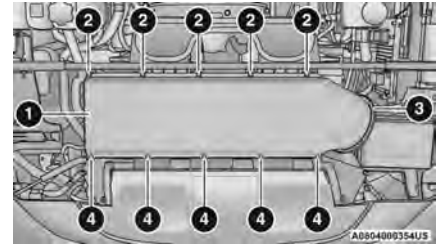
ملاحظة:

افحص المبيت ونظفه في حال وجود أوساخ أو مخلفات فيه قبل استبدال عنصر فلتر تنقية هواء المحرك.

1. ركب عناصر فلتر تنقية هواء المحرك في مجموعة المبيت، واتبع الملاحظة التي تقول "THIS SIDE UP (هذا الجانب لأعلى)" المكتوبة على الفلتر.
2. ركب غطاء فلتر تنقية هواء المحرك على مجموعة المبيت.
3. أحكم ربط المثبتات (العشرة) على مجموعة فلتر تنقية هواء المحرك ومشبك خرطوم الهواء.

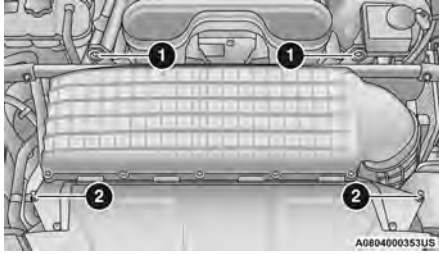
فحص مرشح منظم هواء المحرك واستبداله — طراز TRX ملاحظة:

- يجب إزالة غطاء الزينة للوصول إلى فلتر تنقية هواء المحرك.
 - قم بتنظيف سطح فلتر تنقية الهواء - الذي كان مغطى مسبقًا بغطاء الزينة. من الضروري إزالة الأوساخ السائبة قبل رفع غطاء فلتر تنقية هواء المحرك لتفادي تلويث الجانب النظيف لنظام مدخل الهواء.
- إزالة فلتر تنقية هواء المحرك**
1. باستخدام أداة مناسبة، قم بإرخاء المثبتات (العشرة) الموجودة على غطاء فلتر تنقية هواء المحرك ومشبك خرطوم الهواء بشكل تام.



فلتر جهاز تنقية الهواء

- 1 — غطاء فلتر تنقية هواء المحرك
- 2 — المثبتات الخلفية
- 3 — مشبك خرطوم الهواء
- 4 — المثبتات الأمامية



نقاط تثبيت غطاء الزينة

- 1 — العروات الخلفية
- 2 — مثبتات المقابس الكروية الأمامية

تركيب غطاء الزينة

1. قم بتركيب عارضات التوجيه الخلفية في العروات المطاطية.
2. اضغط على الجزء الأمامي لتثبيت المقيسين الكرويين المطاطيين في الجانب الأمامي من الغطاء.

فك/تركيب غطاء الزينة - طراز TRX

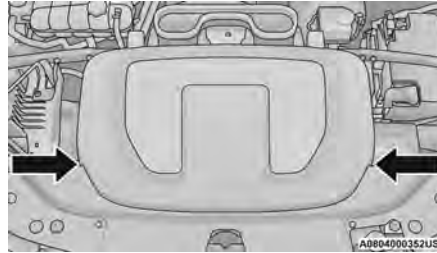
سيحتاج غطاء زينة المحرك إلى إزالته من أجل خدمة فلتر تنقية هواء المحرك أو الوصول بصورة أفضل إلى غرفة المحرك.

تنبيه!

إذا تعين غسل غرفة المحرك، فتوخ الحذر حتى لا تعرض صندوق المنصهرات ومواتير مساحة الزجاج الأمامي للماء.

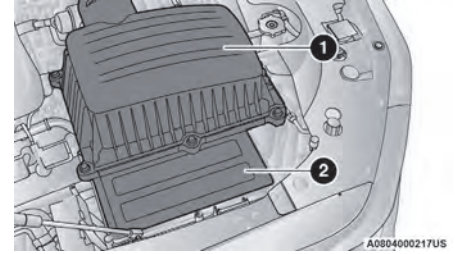
إزالة غطاء الزينة

1. ارفع الزاويتين الأماميتين لغطاء الزينة من أجل إزالة مثبتات المقابس الكروية المطاطية.



غطاء التجميل

2. أزلق الغطاء إلى الأمام لتحرير الموجهات الخلفية من العروات المطاطية لإزالتها من السيارة.



مرشح منظف هواء المحرك

- 1 — غطاء فلتر تنقية هواء المحرك
- 2 — فلتر تنقية هواء المحرك

تركيب فلتر تنقية هواء المحرك

ملاحظة:

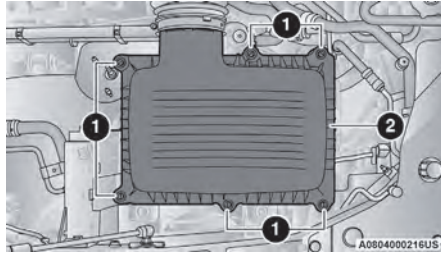
افحص المبيت ونظفه في حالة وجود غبار أو مخلفات به قبل استبدال فلتر تنقية هواء المحرك.

1. قم بتركيب فلتر تنقية هواء المحرك في مبيته بحيث تكون المادة المطوية للمرشح متجهة لأسفل، ومنع التسرب في الأعلى.
2. ركب غطاء فلتر تنقية هواء المحرك على مجموعة المبيت.
3. أحكم ربط المثبتات (الستة) في مجموعة فلتر تنقية هواء المحرك.

فحص واستبدال فلتر هواء المحرك

إزالة فلتر تنقية هواء المحرك

1. باستخدام أداة مناسبة جل المثبتات (السنة) بالكامل من غطاء فلتر تنقية هواء المحرك.



فلتر تنقية هواء المحرك

- 1 — المثبتات
- 2 — غطاء فلتر تنقية هواء المحرك

2. ارفع غطاء فلتر تنقية هواء المحرك للوصول إلى فلتر تنقية هواء المحرك.
3. فك فلتر تنقية هواء المحرك من مجموعة المبيت.

فلتر تنقية هواء المحرك

راجع "كتيب الخدمة والضمان (السيرة الذاتية للسيارة)" لمعرفة فترات الصيانة الصحيحة.

تحذير!

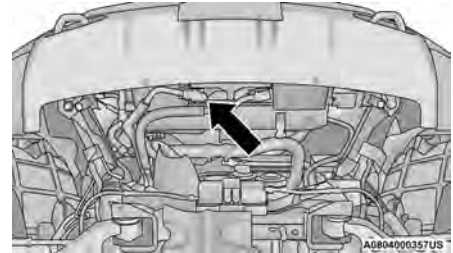
يمكن أن يوفر نظام حقن الهواء (جهاز تنقية الهواء والخرطوم، إلخ) درجة من الحماية في حالة اشتعال الوقود غير مكتمل الاحتراق داخل المحرك. لا تقم بإزالة نظام حقن الهواء (جهاز تنقية الهواء والخرطوم، إلخ) إلا إذا كانت هذه الإزالة ضرورية للإصلاح أو الصيانة. تأكد من عدم اقتراب أي شخص من غرفة المحرك قبل البدء في تشغيل السيارة دون وجود نظام حقن الهواء (جهاز تنقية الهواء والخرطوم، إلخ). حيث إن عدم الالتزام بذلك قد يترتب عليه حدوث إصابات خطيرة.

تحديد فلتر تنقية هواء المحرك

تتنوع جودة فلاتر الزيت البديلة بدرجة ملحوظة. يجب استخدام الفلاتر عالية الجودة المعتمدة من Mopar® فقط.

ملاحظة:

يتم تصريف زيت المحرك من موضعين؛ مسمار تصريف وعاء زيت المحرك ومسمار تصريف مُبرّد زيت المحرك.



تصريف مُبرّد زيت المحرك

لإعادة تركيب واقي الرمال:

1. حرّك واقي الرمال للخلف على المثبتين المرخيين في الأمام.
2. ركب المثبتات الأربعة الخلفية يدويًا.
3. بعد وضعها كلها، أحكم ربط المثبتات الأربعة الخلفية أولاً، ثم المثبتين الأماميين.

زيت المحرك المعتمد من معهد البترول الأمريكي (API)

وتعني هذه الرموز أنه قد تم اعتماد الزيت من معهد البترول الأمريكي (API). توصي الجهة المصنعة باستخدام زيوت تحمل علامة معهد البترول الأمريكي (API) التجارية.

تصادق العلامة التجارية API Starburst
على زيوت المحرك 0W-20 و 0W-30 و 5W-30.



تصادق العلامة التجارية API Donut على
زيت المحرك 0W-40 و 5W-40.



تنبيه!

لا تستخدم مواد كيميائية في زيت المحرك مثل الكيماويات التي يمكن أن تلتف المحرك. لا يغطي ضمان السيارة الجديدة المحدود مثل هذا التلف.

زيوت المحرك الاصطناعية

تم تصميم المحرك لتناسبه زيوت المحرك الاصطناعية، فلا تستخدم إلا زيوت المحرك الاصطناعية المعتمدة من معهد البترول الأمريكي (API).

وينبغي الامتناع عن استخدام زيوت المحرك الاصطناعية التي لم تحصل على كل من علامة API التجارية وأرقام درجة لزوجة SAE الصحيحتين.

المواد المضافة إلى زيت المحرك

توصي الجهة المصنعة بشكل واضح بعدم إضافة أي مواد مضافة (باستثناء صبغات التحقق من التسرب) إلى زيت المحرك. حيث إن زيت المحرك يعد أحد المنتجات الهندسية وقد يتأثر أدائه نتيجة لاستخدام المواد المضافة البديلة.

التخلص من زيت المحرك المستخدم وفلاتر الزيت

ينبغي الحرص عند التخلص من زيوت المحرك المستخدمة وفلاتر الزيت. يمكن أن تمثل الزيوت وفلاتر الزيت المستخدمة مشكلة للبيئة. اتصل بوكيل معتمد أو بمحطة صيانة أو بوكالة حكومية لطلب المشورة فيما يتعلق بكيفية التخلص من الزيوت والفلاتر المستخدمة والمكان المناسب لذلك بطريقة آمنة في منطقتك.

المحرك فلتر الزيت

ينبغي استبدال فلتر زيت المحرك بفلتر زيت جديد في كل مرة يتم فيها تغيير زيت المحرك.

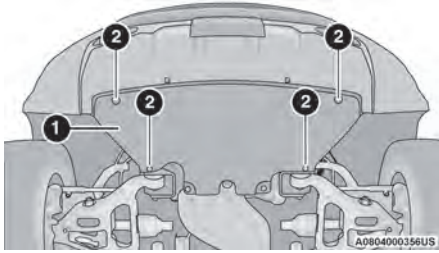
تحديد فلتر زيت المحرك

يجب استخدام فلتر زيت من النوع التدفقي بالكامل الذي يستخدم مرة واحدة للاستبدال. تتوفر جودة فلاتر الزيت البديلة بدرجة ملحوظة. يجب استخدام الفلاتر عالية الجودة المعتمدة من Mopar® فقط. إذا لم يتوفر فلاتر زيت المحرك من Mopar®، فلا تستخدم إلا الفلاتر التي تفي بمتطلبات أداء الفلتر SAE/USCAR-36 أو تتجاوزها.

إزالة واقي الرمال - TRX

يلزم إزالة واقي الرمال أسفل الجزء الأمامي من السيارة لإزالة فلتر الزيت وتصريف مُبرّد الزيت.
لإزالة واقي الرمال:

1. قم بإرخاء المسامير الأماميين، ولكن من دون إزالتها.



الهيكل السفلي الأمامي

- 1 — واقي الرمال
- 2 — البراغي الأمامية والخلفية

2. قم بإزالة المسامير الأربعة الخلفية بالكامل.
3. حرّك واقي الرمال تجاه الجزء الخلفي من السيارة.

ملاحظة:

يكون واقي الرمال ثقيل الوزن. تأكد من إزالته بمساعدة شخص آخر.

عند إزالة واقي الرمال، يمكن الوصول إلى فتحة تصريف مُبرّد الزيت الذي يوجد خلف الواجهة/المصد.

تحذير!
يمكنك أن تتعرض للإصابة في حالة العمل داخل أحد المحركات أو حوله. لا تقم إلا بأعمال صيانة التي لديك معرفة بها وتمتلك المعدات المناسبة للقيام بها. وإذا تشككت في قدرتك على إجراء أعمال الخدمة في السيارة، خذ سيارتك إلى أحد فنيي الميكانيكا المؤهلين.

المحرك الزيت

اختيار زيت المحرك

استخدم فقط المانع الموصى به من الجهة المصنعة
 ➞ صفحة ٤٠٩.

ملاحظة:

قد تصدر أحياناً محركات (5.7 Hemi لترات و 6.2 لترات) أصوات طقطقة مباشرة بعد البدء ومن ثم تهدأ بعد 30 ثانية تقريباً. هذا أمر عادي ولن يتلف المحرك. تحدث هذه الخاصية بسبب دورات القيادة القصيرة. فعلى سبيل المثال، إذا تم تشغيل السيارة ثم إيقافها بعد القيادة لمسافة قصيرة. فقد تتعرض لصوت طقطقة عند إعادة تشغيل السيارة. ومن ضمن الأسباب الأخرى لهذا، إذا لم تُستخدم السيارة لفترة زمنية طويلة أو استخدام زيت غير صحيح أو طول فترة عدم تغيير الزيت أو التباطؤ لفترة طويلة. إذا استمر المحرك في الطقطقة أو إذا ظهر ضوء مؤشر العطل (MIL)، فراجع أقرب وكيل معتمد.

تنبيه!
• في حالة توصيل "الشاحن السريع" أثناء وجود البطارية في السيارة، افصل كابلي البطارية قبل توصيل الشاحن بالبطارية. لا تستخدم "الشاحن السريع" لتوفير فولتية بدء التشغيل.

الغسل بالضغط

لا نوصي بتنظيف غرفة المحرك بغاسلة عالية الضغط.

تنبيه!
لقد اتُخذت الاحتياطات اللازمة لحماية جميع الأجزاء والوصلات ولكننا لا نضمن حمايتها بصورة كاملة ضد دخول الماء إليها بفعل الضغوط التي تولدها مثل تلك الآلات.

صيانة السيارة

يتوفر لدى الوكيل المعتمد الفنيون المؤهلون والمعدات والأدوات الخاصة التي تساعدكم على إجراء جميع أعمال الخدمة باحتراف. تتوفر أدلة الصيانة التي تتضمن معلومات صيانة مفصلة لسيارتك. راجع أدلة الصيانة هذه قبل محاولة القيام بأي إجراء بنفسك.

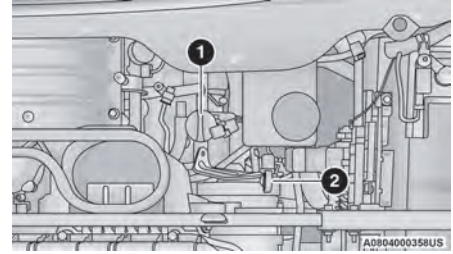
ملاحظة:

قد يؤدي العبث المتعمد بأنظمة التحكم في الانبعاثات إلى إلغاء الضمان وإلى صدور عقوبات مدنية ضدك.

تحذير!
• سائل البطارية محلول حامضي أكال ويمكن أن يتسبب في إصابتك بحروق أو إصابتك بالعمى لا قدر الله. احرص على إبعاد سائل البطارية عن العين أو البشرة أو الملابس. لا تمل بجسدك فوق البطارية أثناء توصيل ماسكات التوصيل الكهربائي. في حالة تناثر الحامض على العين أو الجلد، أسرع بغسل المنطقة المصابة على الفور بمقادير كبيرة من الماء.
• غاز البطارية قابل للاشتعال والانفجار. احرص على إبعاد اللهب أو أي مصدر للشرر عن البطارية. لا تستخدم بطارية معززة أو أي مصدر معزز آخر مزود بخرج أكبر من 12 فولت. لا تسمح بحدوث تلامس بين ماسكات الكابل.
• تحتوي أقطاب وأطراف البطارية والملحقات الخاصة بها على الرصاص ومركباته. اغسل يديك بعد حمل البطارية.

تنبيه!
• من الضروري عند وضع الكبلات على البطارية أن يتم توصيل الطرف الموجب للكابل بالقطب الموجب في البطارية والطرف السالب للكابل بالقطب السالب للبطارية. يتم تمييز أقطاب البطارية الموجب بعلامة (+) والسالب بعلامة (-)، وهي مبنية على حاوية البطارية. ينبغي إحكام توصيل ماسكات الكابل بأقطاب البطارية، كما ينبغي أن تكون خالية من الصدأ.

(تابع)



موضع عصا القياس وتعبئة زيت المحرك

- 1 — فتحة تعبئة زيت المحرك
2 — عصا قياس زيت المحرك

فحص مستوى الزيت

لضمان تشغيل المحرك بطريقة صحيحة، يجب أن يظل زيت المحرك عند المستوى الصحيح. افحص مستوى الزيت على فترات زمنية منتظمة، مثلاً عند كل توقف للزود بالوقود. أفضل وقت لفحص مستوى زيت المحرك هو بعد خمس دقائق تقريباً من توقف عمل المحرك الذي وصل إلى درجة إحماء كاملة.

يمكن التحقق من مستوى الزيت بدقة أثناء قياس مستوى الزيت والسيارة متوقفة على سطح مستو.

توجد أربعة أنواع من عصا القياس:

- منطقة الخطوط المتوازية المميزة بعلامة SAFE (أمن).
- منطقة الخطوط المتوازية المميزة بعلامة MIN (الحد الأدنى) و MAX (الحد الأقصى).

- منطقة الخطوط المتوازية المميزة بعلامة MIN (الحد الأدنى) على أسفل النطاق وعلامة MAX على أعلى النطاق.
- منطقة الخطوط المتعارضة تشتمل على نقرات عند طرفي المدى MIN (الحد الأدنى) و MAX (الحد الأقصى).

ملاحظة:

احتفظ دائماً بمستوى الزيت ضمن علامات الخطوط المتوازية على عصا القياس.

يترتب على إضافة 1.0 لتر (1 كوارت) من الزيت عندما تكون القراءة في أسفل النطاق ارتفاع مستوى الزيت إلى أعلى علامات النطاق.

تنبيه!

وقد يترتب على زيادة مستوى الزيت عن هذا الحد أو انخفاضه عنه إلى تشبع الزيت بالهواء أو فقد ضغط الزيت. وقد يؤدي ذلك إلى تلف المحرك.

إضافة سائل الغاسلة

يوجد خزان السائل أسفل غطاء المحرك ويجب التحقق من مستوى السائل على فترات منتظمة. املاً الخزان بمذيب سائل غسيل الزجاج الأمامي (ليس مانع تجمد الرادياتير). عند إعادة ملء خزان سائل الغاسلة، خذ جزءاً من سائل الغاسلة وضعه على قطعة قماش أو فوطه وامسح شفرات الماسحة. ويساعد ذلك على تحسين أداء الشفرات.

لمنع تجمد نظام سائل غسيل الزجاج الأمامي في الطقس البارد، حدد محلولاً أو مزيجاً يطابق نطاق درجة الحرارة في منطقتك أو يزيد عنه. يمكن العثور على معلومات التصنيف هذه في معظم حاويات سائل الغاسلة.

تحذير!

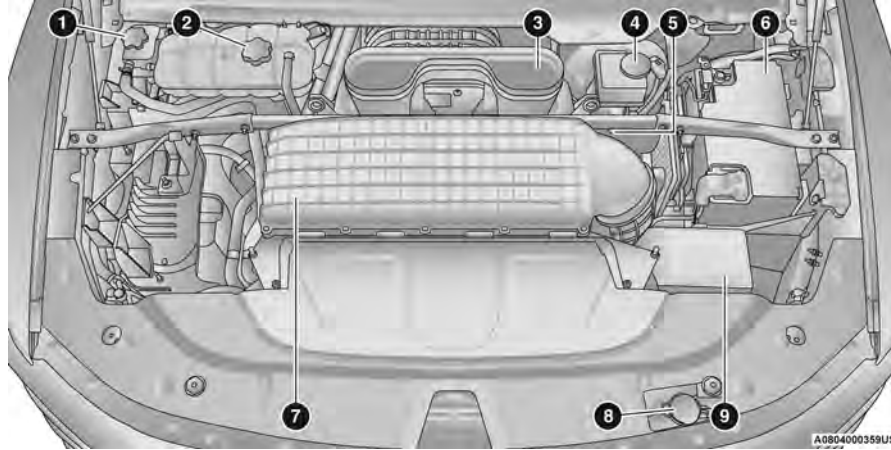
تعتبر مذيبات سائل غسيل الزجاج الأمامي المتوفرة تجارياً قابلة للاشتعال. أي أنها قد تشتعل وتصيب بالحرق. ولهذا يجب توخي الحذر عند تعبئة محلول سائل الغسيل أو استخدامه.

بعد إحماء المحرك، قم بتشغيل مزيل الصقيع لعدة دقائق لتقليل احتمال تلطخ السائل أو تجمده على الزجاج الأمامي البارد. يساعد محلول غاسلة الزجاج الأمامي المستخدم مع الماء كما هو موضح على الحاوية، في إجراءات التنظيف وخفض نقطة التجمد لتجنب انسداد الخطوط، كما أنه لا يسبب أي أضرار للطلاء أو الكسوة.

بطارية لا تحتاج إلى صيانة

سيارتك مزودة ببطارية لا تحتاج إلى أعمال الصيانة. لن يتعين عليك أبداً إضافة الماء، ولا يلزم تنفيذ الصيانة الدورية.

محرك سعة 6.2 لترات فائق الشحن (تمت إزالة غطاء الزينة)

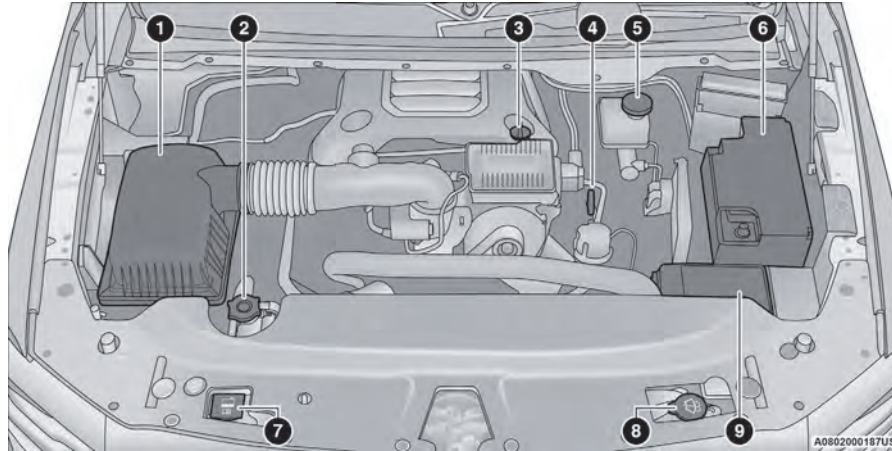


- | | |
|-----------------------------------------------------|-----------------------------------|
| 1 — غطاء خزان سائل تبريد المُبرد البيئي | 6 — البطارية |
| 2 — غطاء ضغط خزان سائل تبريد المحرك | 7 — فلتر تنقية هواء المحرك |
| 3 — تعبئة زيت المحرك (خلف مدخل الهواء) ¹ | 8 — غطاء خزان سائل الغاسلة |
| 4 — غطاء خزان سائل الفرامل | 9 — مركز توزيع الطاقة (المنصهرات) |
| 5 — عصا قياس زيت المحرك ² | |

¹ راجع الصورة التالية للحصول على مزيد من وصف المكان.

² راجع الصورة التالية للحصول على مزيد من وصف الموضع.

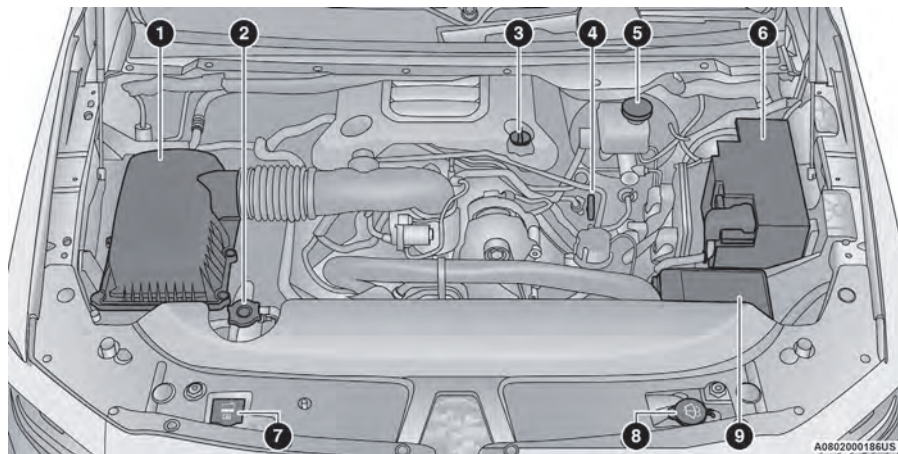
محرك سعة 5.7 لتر مع نظام الإيقاف/بدء التشغيل



محرك سعة 5.7 لتر مع نظام الإيقاف/بدء التشغيل

- | | | | |
|-----|----------------------------|-----|-------------------------------|
| 1 — | فلتر تنقية هواء المحرك | 6 — | البطارية |
| 2 — | غطاء ضغط سائل تبريد المحرك | 7 — | غطاء خزان سائل تبريد المحرك |
| 3 — | فتحة تعبئة زيت المحرك | 8 — | غطاء خزان سائل الغاسلة |
| 4 — | عصا قياس زيت المحرك | 9 — | مركز توزيع الطاقة (المنصهرات) |
| 5 — | غطاء خزان سائل الفرامل | | |

محرك سعة 5.7 لتر بدون نظام الإيقاف/بدء التشغيل



محرك سعة 5.7 لتر بدون نظام الإيقاف/بدء التشغيل

- | | |
|--------------------------------|-----------------------------------|
| 1 — فلتر تنقية هواء المحرك | 6 — البطارية |
| 2 — غطاء ضغط سائل تبريد المحرك | 7 — غطاء خزان سائل تبريد المحرك |
| 3 — فتحة تعبئة زيت المحرك | 8 — غطاء خزان سائل الغاسلة |
| 4 — عصا قياس زيت المحرك | 9 — مركز توزيع الطاقة (المنصهرات) |
| 5 — غطاء خزان سائل الفرامل | |

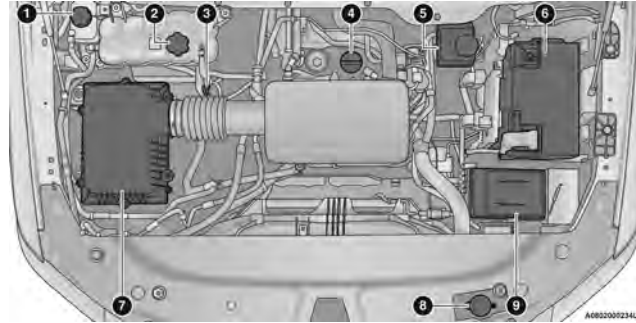
الخدمة والصيانة

الصيانة الدورية

راجع "كتيب الخدمة والضمان (السيرة الذاتية للسيارة)" للتعرف على الخدمة الدورية.

غرفة المحرك

محرك سعة 3.6 لتر مع نظام الإيقاف/بدء التشغيل



محرك سعة 3.6 لتر مع نظام الإيقاف/بدء التشغيل

- | | |
|------------------------------------------------|-----------------------------------|
| 1 — غطاء ضغط خزان سائل تبريد وحدة مولد الموتور | 6 — البطارية |
| 2 — غطاء ضغط خزان سائل تبريد المحرك | 7 — فلتر تنقية هواء المحرك |
| 3 — عصا قياس زيت المحرك | 8 — غطاء خزان سائل الغاسلة |
| 4 — فتحة تعبئة زيت المحرك | 9 — مركز توزيع الطاقة (المنصهرات) |
| 5 — خزان سائل الفرامل | |

نظام الاستجابة للحوادث المحسن (EARS)

هذه السيارة مزودة بنظام الاستجابة للحوادث المحسن. هذه الميزة عبارة عن شبكة اتصال يتم تفعيلها في حالة حدوث تصادم ➔ صفحة ٣٢٠.

جهاز تسجيل بيانات الحوادث (EDR)

هذه السيارة مزودة بجهاز تسجيل بيانات الحوادث (EDR). يتمثل الغرض الرئيسي من جهاز تسجيل بيانات الحوادث (EDR) في تسجيل البيانات التي ستساعد في فهم كيف تصرف أنظمة السيارة في مواقف معينة من التصادم أو شبه التصادم، مثل نفخ الوسادة الهوائية أو الاصطدام بعائق على الطريق ➔ صفحة ٣٢١.



خطاطيف السحب الخلفية - TRX فقط

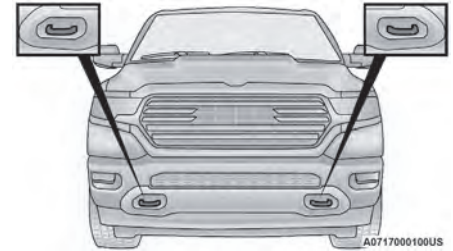
تحذير!

- لا تستخدم سلسلة لتحريك سيارة عالقة. فقد تنفصل السلاسل مما يتسبب في إصابة خطيرة أو الموت.
- قف بعيداً عن السيارات عند السحب باستخدام خطاطيف السحب. قد تنفصل أشرطة السحب ما يتسبب في حدوث إصابات خطيرة.

خطاطيف السحب في حالات الطوارئ - إذا كانت السيارة مزودة بذلك
قد تكون السيارة مزودة بخطافات سحب أمامية وخلفية للطوارئ.

تنبيه!

تستخدم خطاطيف السحب في حالات الطوارئ فقط لإنقاذ سيارة عالقة في منطقة غير ممهدة. لا تستخدم خطاطيف السحب لتوصيل شاحنة السحب أو للسحب على الطرق السريعة. فقد يؤدي ذلك إلى إتلاف سيارتك.



خطاطيف السحب الأمامية

ملاحظة:

ينصح دائماً لسحب السيارة من طريق غير ممهد استخدام كل من خطافي السحب الأماميين لتقليل خطر حدوث تلف بالسيارة.

ظروف السحب	العجلات مرفوعة عن الأرض	الطرز رباعية الدفع 4WD
السحب المسطح	لا يوجد	التعليمات المفصلة في ➡ صفحة ٢١٩ • وجود ناقل الحركة الأوتوماتيكي في وضع PARK (التوقف) • علبة نقل التروس في وضع N (اللاتعشيق) • السحب باتجاه أمامي
رفع العجلات أو دلية سحب	الأمام	غير مسموح
	الخلف	غير مسموح
شاحنة مسطحة	الكل	الطريقة المثلى

تنبيه!
<ul style="list-style-type: none"> يجب عدم استخدام رافعات العجلة الأمامية أو الخلفية (إذا كانت العجلات المتبقية لا تزال على الأرض). سيحدث تلف داخلي في ناقل الحركة أو علبة نقل التروس في حالة استخدام رافعة عجلة أمامية أو خلفية أثناء السحب. يمكن أن ينجم عن مخالفة المتطلبات المعتمدة لسحب هذه السيارة حدوث أضرار بالغة في ناقل الحركة و/أو علبة نقل التروس. ولا يغطي ضمان السيارة الجديدة التلف الناجم عن جرها بشكل غير سليم.

تنبيه!
<ul style="list-style-type: none"> لا تستخدم مُعدة قطر مزودة بقاطرة عند سحب السيارة. فقد يحدث تلف بالسيارة. عند وضع السيارة على شاحنة ذات سطح مفتوح، لا تربطها من مكونات التعليق الأمامية أو الخلفية. فقد يترتب على قطر سيارتك بطريقة خاطئة حدوث تلفيات في السيارة.

طرز الدفع الرباعي

توصي شركة FCA US LLC بالسحب عند رفع كل العجلات عن الأرض.

إذا لم تتوافر شاحنة ذات سطح مفتوح، وكانت علبة النقل تعمل، يمكن سحب السيارة (في الاتجاه الأمامي مع وجود جميع العجلات على الأرض)، إذا كانت علبة النقل في وضع المحايد (**N**) وكان ناقل الحركة في وضع التوقف (**P**) ➡ صفحة ٢١٩.

أجهزة السحب أو الرفع الصحيحة مطلوبة لمنع تلف السيارة. لا تستخدم إلا قضبان السحب والمعدات الأخرى المصممة لهذا الغرض، متبعًا تعليمات شركة FCA US LLC بشأن المعدات. يعتبر استخدام سلاسل السلامة إلزاميًا. قم بتوصيل قضيب السحب أو جهاز سحب آخر بالأجزاء الهيكلية الرئيسية للسيارة - وليس بالواجهة/المصدات أو الكنائف المتصلة بها. يجب مراعاة قوانين الولاية والقوانين المحلية التي تنطبق على السيارات الجاري سحبها.

إذا كان عليك استخدام الملحقات (الماسحات أو أدوات إزالة الصقيع، إلخ)، أثناء السحب، فيجب أن يكون مفتاح التشغيل في وضع **ON/RUN** (التشغيل/الانطلاق)، وليس في وضع **ACC** (وحدة التحكم في السرعة الثابتة المهيأة).

في حالة عدم توفر حافظة المفاتيح أو فراغ بطارية السيارة من الشحن، يمكنك العثور على تعليمات حول تبديل ناقل الحركة من وضع **PARK** (التوقف) ➡ صفحة ٣٥٢.

إخراج سيارة عالقة

إذا علقت سيارتك في الطين أو الرمال أو الثلج، فيمكن تحريكها غالبًا بواسطة الحركة الاهتزازية. قم بتدوير عجلة القيادة جهة اليمين ثم جهة اليسار لإخلاء المنطقة المحيطة بالعجلات الأمامية. ثم قم بالتبديل للخلف والأمام بين وضعي DRIVE (القيادة) (D) ووضع REVERSE (الرجوع للخلف) (R) مع الضغط برفق على دواسة الوقود. إن الضغط على دواسة الوقود قليلًا سيحافظ على تأثير الحركة الاهتزازية دون التدوير السريع للعجلات أو تسريع المحرك.

تنبيه!

- قد يترتب على زيادة سرعة المحرك أو تدوير العجلات بسرعة كبيرة إلى ارتفاع درجة حرارة محور النقل أو تعطله. دع المحرك يتباطأ أثناء وجود ناقل الحركة في وضع اللاتعشيق لمدة دقيقة واحدة على الأقل بعد كل خمس دورات من الهز. يقلل ذلك من ارتفاع درجة حرارة ناقل الحركة وتوقفه عن العمل أثناء زيادة الجهد لتحرير السيارة العالقة.
- عند "هز" سيارة معطلة عن الحركة عن طريق التبديل بين ترسي DRIVE (القيادة) و REVERSE (الرجوع للخلف)، لا تجعل العجلات تدور بسرعة أكبر من 24 كم/ساعة (15 ميلًا/ساعة) حتى لا يتسبب ذلك في تلف مجموعة الدفع والحركة.

(تابع)

تنبيه!

- قد يترتب على زيادة سرعة المحرك أو تدوير العجلات بسرعة كبيرة إلى ارتفاع درجة حرارة محور النقل أو تعطله. وقد يؤدي ذلك أيضًا إلى تلف الإطارات. لا تقم بتدوير العجلات بسرعة تزيد على 48 كم/ساعة (30 ميل/ساعة) أثناء القيادة في ترس (لا يحدث نقل في السرعة).

ملاحظة:

يمكن فقط تحقيق الانتقال بين وضع DRIVE (القيادة) و REVERSE (الرجوع للخلف) عندما تكون سرعات العجلات 8 كم/ساعة (5 أميال/ساعة) أو أقل. عندما يكون ناقل الحركة في وضع اللاتعشيق (N) لمدة تزيد عن ثانيتين، يجب أن تضغط على دواسة الفرامل للدخول إلى وضع القيادة أو الرجوع للخلف. اضغط على زر ESC OFF (إيقاف نظام التحكم في الاستقرار الإلكتروني) لضبط نظام التحكم في الاستقرار الإلكتروني (ESC) على وضع "Partial OFF" (الإيقاف الجزئي)، قبل هز السيارة. صفحة ٢٨٢. بمجرد تحرير السيارة، اضغط على زر ESC Off (إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني) لاستعادة وضع "ESC On" (تشغيل نظام التحكم في الاستقرار الإلكتروني).

تحذير!

إدارة الإطارات بسرعة يمكن أن يشكل خطرًا كبيرًا. وقد تؤدي القوة الناتجة عن سرعات عالية للعجلات إلى تلف محور الدوران والإطارات أو حدوث خلل بهما. وقد ينفجر الإطار ويسبب الإصابة لشخص ما. لا تقم بتدوير عجلات السيارة بسرعة أكبر من 48 كم/ساعة (30 ميلًا/ساعة) أو أكثر من 30 ثانية متواصلة عندما تكون عالقا ولا تترك أي شخص بالقرب من العجلة عند تدويرها مهما كانت السرعة.

سحب سيارة معطلة

يصف هذا القسم الإجراءات الخاصة بسحب سيارة معطلة باستخدام خدمة سحب تجارية.

في حالة عمل ناقل الحركة ومجموعة الدفع والحركة، يمكن أيضًا سحب السيارات المعطلة كما هو موضح في صفحة ٢١٩.

ملاحظة:

يجب وضع السيارات المزودة بنظام التعليق الهوائي النشط للتسوية عند الزوايا الأربع في وضع Transport (النقل) قبل سحبها (من الهيكل) على مقطورة أو شاحنة ذات سطح مفتوح. صفحة ١٦٠. إذا تعذر وضع السيارة في وضع النقل (على سبيل المثال، لا يعمل المحرك)، فيجب تثبيت الأربطة بالمحاور (وليس بهيكل السيارة). قد يؤدي عدم اتباع هذه التعليمات إلى ضبط رموز خاطئة و/أو فقدان قوة التثبيت.

تحرير التوقف اليدوي

تحذير!

قم بتأمين السيارة دوماً بتعشيق فرامل التوقف بالكامل قبل تنشيط تحرير التوقف يدوياً. بالإضافة إلى ذلك، يجب أن تكون جالساً في مقعد السائق مع وضع قدمك على دواسة الفرامل بإحكام عند تنشيط نظام تحرير التوقف اليدوي. يتيح "تنشيط تحرير التوقف يدوياً" للسيارة التحرك إذا لم يتم تأمينها باستخدام فرامل التوقف أو عن طريق التوصيل الصحيح بسيارة السحب. قد يؤدي تنشيط تحرير التوقف اليدوي في السيارة غير محكمة التوصيل إلى حدوث إصابة خطيرة أو وفاة من بداخل السيارة أو حولها.

لتحريك السيارة في حالات لا يتم فيها نقل ناقل الحركة خارج وضع التوقف (P) (مثلاً البطارية مفرغة الشحن)، يتوافر تحرير التوقف اليدوي.

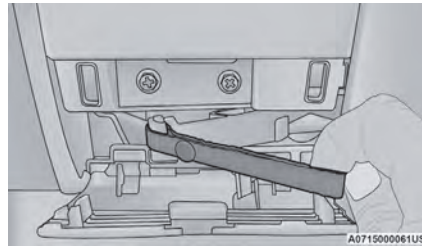
اتبع هذه الخطوات لتنشيط تحرير التوقف اليدوي:

1. اضغط بقوة على دواسة الفرامل أثناء الجلوس في مقعد السائق.
2. قم بتعشيق فرامل الوقوف، إذا كان ذلك ممكناً.
3. باستخدام مفك براغي صغير أو أداة مماثلة، افتح غطاء تحرير التوقف اليدوي، الموجود بالجانب الأيسر السفلي من عمود التوجيه.



غطاء وصول تحرير التوقف اليدوي

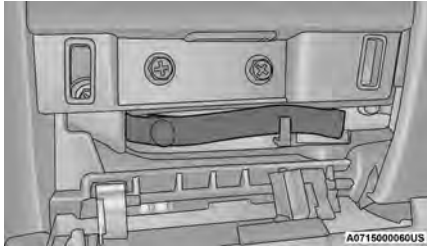
4. خلف غطاء الوصول إلى تحرير التوقف اليدوي يوجد شريط التطويل البرتقالي. اسحب شريط التطويل إلى الخارج إلى أقصى درجة ممكنة، ثم حرره. سيبقى شريط التطويل والذراع خارج لوحة الحلية ومن المفترض أن يكون ناقل الحركة الآن في وضع NEUTRAL اللاتعشيق، وهو ما يسمح بتحريك السيارة.



شريط تحرير التوقف اليدوي

إعادة تعيين تحرير التوقف اليدوي:

1. اضغط بقوة على دواسة الفرامل أثناء الجلوس في مقعد السائق.
2. اسحب شريط التطويل إلى الخارج مرة أخرى، ثم حرره.
3. اترك الشريط ليتم ضمه مع الذراع إلى وضعه الأصلي.



شريط تحرير التوقف اليدوي

4. تحقق من أن ناقل الحركة في وضع PARK (التوقف).
5. تأكد من ضم الشريط بالكامل، ثم أعد تركيب غطاء الوصول. إذا كان لا يمكن إعادة تركيب غطاء الوصول مرة أخرى، فكرر الخطوات من 1 إلى 4.

ملاحظة:

عند قفل الذراع في وضع التحرير، لا يمكن إعادة تركيب غطاء الوصول.

- إذا كان مكيف الهواء لديك قيد التشغيل، فأوقف تشغيله. وذلك لأن نظام مكيف الهواء يُضيف حرارة إلى نظام تبريد المحرك ويساعد إطفاء مكيف الهواء في إزالة هذه الحرارة المضافة.
- بإمكانك أيضًا وضع مفتاح التحكم في درجة الحرارة في وضع الحرارة القصوى ووضع مفتاح التحكم بمنافذ الهواء في وضع المنافذ الأرضية ومفتاح التحكم بالمروحة في وضع عال. إن ذلك يتيح لجهاز التدفئة العمل كمساعد للرادياتير للتخلص من الحرارة في نظام تبريد المحرك.

تنبيه!

قد تؤدي قيادة السيارة عندما يكون نظام تبريد المحرك ساخنًا إلى تلف السيارة. إذا كان جهاز قياس درجة الحرارة في وضع الحرارة العالية H، فيجب التنحي بالسيارة إلى جانب الطريق وإيقاف السيارة. أوقف السيارة بعد ذلك أثناء إيقاف تشغيل جهاز تكييف الهواء حتى يهبط المؤشر إلى النطاق العادي. إذا بقي المؤشر في وضع الحرارة العالية H وسمعت طنينًا مستمرًا، فأطفئ المحرك فورًا واطلب صيانة سيارتك.

في حالة ارتفاع درجة حرارة المحرك بشكل زائد عن الحد

- في حالة حدوث سخونة زائدة في السيارة، سيتعين صيانتها بواسطة وكيل معتمد.
- الإشارات المحتملة لسخونة السيارة الزائدة:
- مقياس درجة الحرارة في وضع الحرارة العالية (H)
 - رائحة سائل التبريد قوية
 - صدور دخان أبيض من المحرك أو نظام العادم
 - وجود فقاعات في سائل التبريد بزجاجة سائل التبريد

تحذير!

يمكنك كما يمكن للآخرين التعرض لخطر الاحتراق بواسطة سائل تبريد المحرك أو البخار الساخن المتصاعد من الرادياتير. إذا رأيت أو سمعت صوت الأبخرة المتصاعدة من أسفل غطاء المحرك، فلا تفتح الغطاء حتى يبرد الرادياتير. لا تحاول فتح غطاء ضغط نظام التبريد إذا كان الرادياتير أو غطاء سائل التبريد ساخنين.

- إذا تحرك مقياس درجة الحرارة باتجاه وضع الحرارة العالية (H) أو بالقرب منه، يمكنك تقليل احتمالية حدوث السخونة الزائدة عن طريق العمل على النحو التالي:
- في الطرق السريعة - قلل السرعة.
 - داخل المدينة - عند التوقف، ضع ناقل الحركة في وضع NEUTRAL (اللاتعشيق) (N)، ولكن لا تزد من سرعة تباطؤ المحرك أثناء منع السيارة من الحركة باستخدام القرامل.

تنبيه!

لتفادي انسكاب الوقود وغمر الخزان لا تواصل ضخ البنزين بعد امتلاء الخزان.

5. أزل القمع من أنبوب التعبئة، ونظفه قبل وضعه مرة أخرى في منطقة التخزين عند الإطار الاحتياطي.

تحذير!

- امتنع بتأثًا عن إشعال السجائر داخل أو قرب السيارة عندما يكون باب فتحة تعبئة خزان الوقود مفتوحًا أو أثناء تعبئة الخزان.
- لا تضيف مطلقًا أي كمية من الوقود أثناء تشغيل المحرك. يعتبر هذا انتهاكًا لقوانين معظم الدول وقد يتسبب ذلك في إضاءة ضوء مؤشر العطل.
- قد يحدث حريق في حالة ضخ كمية من الوقود داخل حاوية متقلبة موجودة داخل السيارة. وقد تصاب بحروق. دائمًا ضع القنينة على الأرض عند تعبئتها.

تنبيه!

لا تَقم بتوصيل كابل التوصيل بأي من المنصهرات بطرف البطارية الموجب. حيث قد ينفجر المنصهر بسبب التيار الكهربائي الناتج.

6. بمجرد بدء تشغيل المحرك، اتبع إجراء الفصل.

فصل كابلات العبور

1. افصل طرف كابل العبور السالب (-) عن الطرف الأرضي لمحرك السيارة الموجود بها البطارية غير المشحونة.

2. افصل الطرف المقابل لكابل العبور السالب (-) من القطب السالب (-) للبطارية المعززة.

3. افصل طرف كابل العبور الموجب (+) عن القطب الموجب (+) للبطارية المعززة.

4. افصل الطرف المقابل لكابل العبور الموجب (+) من القطب الموجب (+) للسيارة ذات البطارية المفرغة الشحن وأعد تركيب الغطاء الواقي.

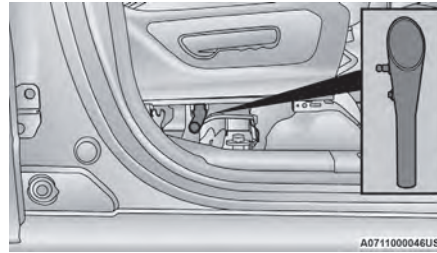
إذا تطلب الأمر تشغيل البطارية الضعيفة بتوصيلها بسيارة أخرى بشكل متكرر من أجل بدء تشغيل السيارة، فيجب عليك فحص البطارية ونظام الشحن عند وكيل معتمد.

تنبيه!

تقوم الملحقات الموصلة بمأخذ الطاقة الكهربائية بالسيارة بسحب الطاقة من بطارية السيارة، حتى عند عدم استخدامها (مثل الهواتف الخلوية وما إلى ذلك). وبالتالي، إذا تم توصيلها لفترات طويلة دون تشغيل المحرك، فستؤدي إلى تفريغ شحنة البطارية بدرجة تؤدي إلى تقصير العمر الافتراضي للبطارية و/أو منع المحرك من بدء التشغيل.

التزود بالوقود في حالات الطوارئ

إذا كانت السيارة مزودة بقمع التزود بالوقود لنظام ملء الوقود من دون غطاء. يوجد قمع التزود بالوقود أسفل مقعد الراكب مع الرافعة والأدوات. عند الحاجة إلى التزود بالوقود، أثناء استخدام علب الغاز المعتمدة، يُرجى إدخال قمع التزود بالوقود في فتحة عنق التعبئة بالوقود. توخ الحذر لفتح البابين القلابين بالقمع لتجنب السكب.

**موقع قمع الوقود****ملاحظة:**

في بعض ظروف الطقس البارد، قد يمنع الجليد فتح باب الوقود. وفي حالة حدوث ذلك، اضغط برفق على باب الوقود لتكسير التراكب الثلجي وإعادة تحرير باب الوقود باستخدام زر التحرير الداخلي. لا تقم بفك الباب.

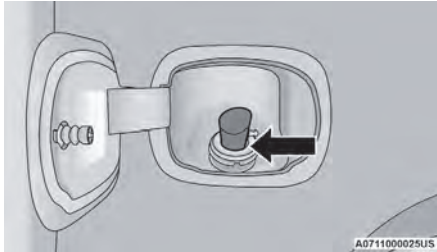
إعادة تعبئة علب الوقود المستخدمة في الطوارئ:

معظم علب الوقود لن تفتح الأبواب القلابية. لذا تم توفير قمع للسماح بإعادة التزود بالوقود من علب الوقود في حالات الطوارئ.

راجع الخطوات التالية لإعادة التزود بالوقود:

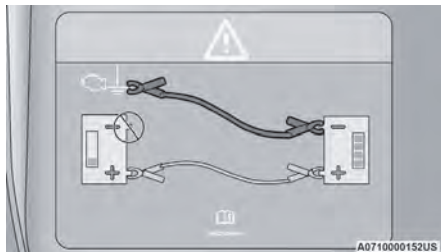
1. اجلب القمع من أسفل مقعد الراكب الأمامي.

2. أدخل القمع في نفس فتحة أنبوب التعبئة كأنه فوهة تعبئة الوقود.

**إدخال القمع**

3. تأكد من إدخال القمع بالكامل لتثبيت الأبواب القلابية في وضع الفتح.

4. قم بسكب الوقود في فتحة القمع.



ملصق تشغيل سيارة ذات بطارية ضعيفة بتوصيلها ببطارية أخرى

تحذير!

تجنب توصيل كابل العبور بالقطب السالب (-) للبطارية غير المشحونة. قد يؤدي حدوث شرارة كهربائية إلى انفجار البطارية وقد ينجم عن ذلك إصابة شخصية.

5. ابدأ تشغيل محرك السيارة الموجود بها البطارية المعززة، واترك المحرك دائرًا في حالة التباطؤ لعدة دقائق، ثم ابدأ تشغيل محرك السيارة الموجود بها البطارية فارغة الشحن.

تنبيه!

وقد يؤدي الإخفاق في اتباع هذه الإجراءات إلى حدوث تلف بنظام الشحن بالسيارة المعززة أو السيارة مفرغة الشحن.

توصيل كابلات العبور

1. قم بتوصيل الطرف الموجب (+) من كابل التوصيل إلى القطب الموجب (+) البعيد من السيارة مفرغة الشحن.

ملاحظة:

لا تأخذ شحنة دافعة من المنصهرات. لا تأخذ شحنة دافعة إلا من القطب الموجب مباشرة.

2. قم بتوصيل الطرف المقابل لكابل التوصيل الموجب (+) بالقطب الموجب (+) لبطارية التعزيز.

3. قم بتوصيل الطرف السالب (-) من كابل العبور بالقطب السالب (-) للبطارية المعززة.

4. قم بتوصيل الطرف المقابل لكابل العبور السالب (-) بأرضي جيد بالمحرك. "الأرضي" هو جزء معدني/ غير مطلي مكشوف في المحرك، أو الهيكل، أو الشاسيه، مثل كتيفة الملحقات أو مسمار كبير. يجب أن يكون الأرضي بعيدًا عن البطارية ونظام حقن الوقود.

تحذير!

• احرص على الابتعاد عن مروحة التبريد الموجودة في الرادياتير أثناء رفع غطاء المحرك. فقد تبدأ في العمل في أي وقت طالما كان مفتاح التشغيل مضبوطًا على وضع ON (التشغيل). قد تتعرض للإصابة عند تحريك ريش المروحة.

• لا ترتد أي مجوهرات معدنية مثل سلاسل الخواتم والساعات والأساور، والتي قد تؤدي إلى حدوث تلامس كهربائي غير مقصود. قد تتعرض للإصابة خطيرة.

• تحتوي البطاريات على حمض كبريتي يمكن أن يؤدي إلى إحراق البشرة أو العينين، كما أنها تولد غاز الهيدروجين القابل للاشتعال وسريع الانفجار. احرص على إبعاد اللهب أو أي مصدر للشرر عن البطارية.

إجراء تشغيل سيارة ذات بطارية ضعيفة بتوصيلها ببطارية أخرى

تحذير!

قد يؤدي الإخفاق في اتباع إجراء تشغيل سيارة ذات بطارية ضعيفة بتوصيلها ببطارية أخرى إلى الإصابة الشخصية أو تلف الممتلكات بسبب انفجار البطارية.

ملاحظة:

قد يكون قطب البطارية الموجب مغطى بغطاء واق. ارفع الغطاء للتعامل مع قطب البطارية الموجب. لا تأخذ شحنة دافعة من المنصهرات. لا تأخذ شحنة دافعة إلا من القطب الموجب الذي يوجد فوقه أو بجواره رمز (+).

راجع الخطوات التالية للاستعداد من أجل بدء التشغيل من خلال التوصيل ببطارية معززة:

1. انقل ناقل الحركة الأوتوماتيكي إلى وضع PARK (التوقف)، وقم بتعشيق فرامل التوقف وأدر مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل).
2. أوقف تشغيل جهاز التدفئة والراديو وجميع الملحقات الكهربائية.
3. إذا كنت تستخدم سيارة أخرى لبدء التشغيل بالتوصيل ببطارية أخرى، فقم بإيقاف السيارة ضمن نطاق كابلات العبور واسعمل فرامل التوقف وتأكد من ضبط مفتاح التشغيل على وضع OFF (إيقاف التشغيل).

تحذير!

لا تسمح بتلامس السيارتين مع بعضهما البعض حيث قد ينتج من ذلك حدوث اتصال أرضي وقد يترتب على ذلك حدوث إصابات.

4. اسحب الغطاء الواقي الموجود فوق قطب البطارية الموجب (+) لأعلى وقم بإزالتها.

تنبيه!

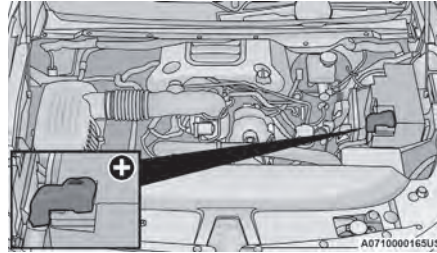
لا تستخدم الحزمة المحمولة لتعزيز البطارية أو أي مصدر تعزيز آخر مع فولتية للنظام تزيد عن 12 فولت، وإلا فقد تتلف البطارية أو موتور جهاز بدء التشغيل أو مولد التيار المتردد أو النظام الكهربائي.

ملاحظة:

وعند استخدام حزمة محمولة لتعزيز البطارية، اتبع الاحتياطات وإرشادات التشغيل الخاصة بالجهة المصنعة.

التحضيرات لتشغيل سيارة ذات بطارية ضعيفة بتوصيلها ببطارية معززة

توجد بطارية السيارة في الجزء الأمامي من غرفة المحرك خلف مجموعة المصباح الأمامي الأيسر.



موقع القطب الموجب (+) للبطارية

تحذير!

بعد استخدام الرافعة والأدوات، قم دائماً بإعادة تركيبها في الحامل والموقع الأصلي. أثناء القيادة، قد تحدث توقفات مفاجئة أو زيادة في السرعة أو انعطافات حادة. قد تتحرك الرافعة غير محكمة التثبيت أو الأدوات أو السنادة أو الأشياء الأخرى الموجودة في السيارة بقوة مما يؤدي إلى حدوث إصابة خطيرة.

تشغيل سيارة ذات بطارية ضعيفة بتوصيلها ببطارية أخرى

إذا كانت السيارة تحتوي على بطارية مفرغة الشحن، فيمكن تشغيلها بتوصيلها بسيارة أخرى باستخدام مجموعة من كابلات العبور وبطارية في سيارة أخرى أو باستخدام مجموعة البطارية المعززة المحمولة. يمكن أن يكون تشغيل سيارة ذات بطارية ضعيفة بتوصيلها بسيارة أخرى أمراً خطيراً إذا تم تنفيذه بشكل غير صحيح، لذا يرجى اتباع الإجراءات الواردة في هذا القسم بعناية.

تحذير!

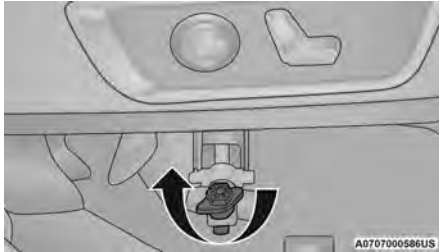
لا تحاول تشغيل السيارة ذات البطارية الضعيفة بتوصيلها بسيارة أخرى إذا كانت البطارية قد وصلت لدرجة حرارة التجمد. فقد تنمرق أو تنفجر وتؤدي إلى حدوث إصابات شخصية.

4. ضع الرافعة والأدوات في موضع التخزين مع الإمساك بالرافعة باستخدام برغي لف الرافعة، وأزح الرافعة والأدوات تحت المقعد بحيث تتصل الفتحة السفلية بال مثبت الموجود في الأرضية.

ملاحظة:

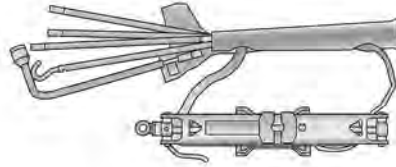
تأكد من إدخال الرافعة في موضع الإمساك للأسفل الأمامي.

5. أدر المسمار المجنح في اتجاه عقارب الساعة لإحكام تثبيته بأرضية السيارة. أعد تركيب الغطاء البلاستيكي.



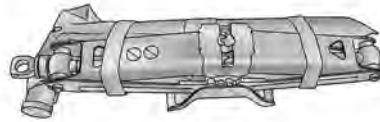
المسمار المجنح لتثبيت الرافعة

2. ضع الرافعة وحقيبة الأدوات. تأكد من وجود مفتاح ربط الصواميل تحت الرافعة بالقرب من مسمار لف الرافعة البرغي.

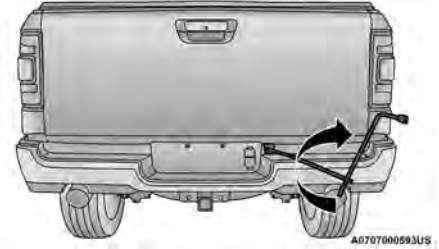


الرافعة وحقيبة الأدوات

3. أحكم ربط شرائط حقيبة الأدوات بالرافعة.



الرافعة والأدوات المربوطة معًا



تدوير مقبض مفتاح ربط الصواميل

ملاحظة:

قم بإصلاح الإطار المفرغ من الهواء أو استبدله على الفور.

تحذير!

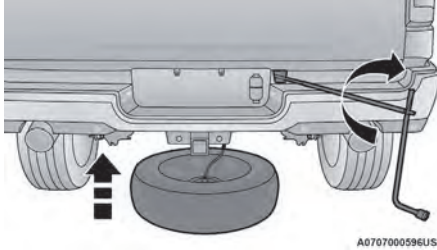
فقد يترتب على اندفاع الإطار أو الرافعة غير المثبت بإحكام داخل السيارة عند التعرض لحادث اصطدام أو بسبب التوقف المفاجئ، تعرض حياة الركاب الموجودين داخل السيارة للخطر. احرص دومًا على وضع أجزاء الرافعة والإطار الاحتياطي في الأماكن المخصصة لذلك. قم بإصلاح أو استبدال الإطار على الفور.

إعادة تركيب الرافعة والأدوات

1. أحكم تثبيت الرافعة تمامًا عن طريق إدارة مسمار لف الرافعة البرغي في عكس اتجاه الساعة حتى يتم إحكام تثبيت الرافعة.

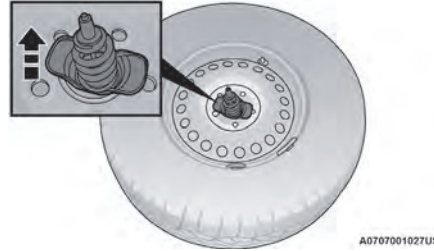
لتخزين الإطار المفرغ أو الاحتياطي

1. ارفع الإطار الاحتياطي بإحدى يديك للسماح بخلوص لإمالة المثبت في نهاية الكابل.
2. ضع العجلة خلف اللوحة الخلفية/المصد بحيث تتجه إلى الخارج. ادفع طرف كابل المرفاع والزنبرك الخاص به وكمه الفولاذي عبر الجزء الخلفي من عجلة الطريق. تأكد من أن ساق الصمام مواجهة للأرض عند تخزين العجلة.



إعادة تركيب الإطار المفرغ أو الاحتياطي

4. لف مقبض مفتاح الصواميل في اتجاه عقارب الساعة حتى يتم سحب العجلة إلى مكانها على الجانب السفلي للسيارة. استمر في اللف حتى تشعر بانزلاق آلية المرفاع أو يصدر عنها ثلاث أو أربع طقطقات. لا يمكن إحكام ربط الصامولة بطريقة زائدة عن الحد. اضغط على الإطار عدة مرات حتى تتأكد من تثبيته في مكانه بإحكام.



إعادة تركيب المثبت

3. أزل الوصلة باستخدام الخطاف وأعد توصيل الوصلة القصيرة رقم 5، صفحة ٣٤٠. ركب مفتاح ربط الصواميل بأنابيب الامتداد بحيث تتجه الزاوية المنحنية بعيداً عن السيارة. أدخل أنابيب الامتداد عبر فتحة الوصول بين باب المؤخرة السفلي والجزء العلوي من الواجبة/المصد وفي أنبوب آلية الونش.

متأكدًا من إحكام الربط الصحيح، فيمكنك التحقق باستخدام مفتاح ربط ذي قوة عزم بواسطة الوكيل المعتمد أو في محطة الصيانة.

تحذير!

فقد يترتب على اندفاع الإطار أو الرافعة غير المثبت بإحكام داخل السيارة عند التعرض لحادث تصادم أو بسبب التوقف المفاجئ، تعرض حياة الركاب الموجودين داخل السيارة للخطر. احرص دومًا على وضع أجزاء الرافعة والإطار الاحتياطي في الأماكن المخصصة لذلك.

8. إذا كانت السيارة مزودة بغطاء منتصف العجلة، فركب الغطاء وأزل حواجز العجلات. لا تقم بتركيب أغشية منتصف العجلة المصنوعة من الكروم أو الألمنيوم في العجلة الاحتياطية. فقد يتسبب ذلك في تلف الغطاء.
9. اخفض الرافعة إلى الوضع المغلق بالكامل. خزن الإطار المستبدل، وثبت الرافعة والأدوات في المكان الصحيح.
10. قم بضبط ضغط الإطار إذا أمكن ذلك.

تنبيه!

قبل رفع العجلة عن الأرض، تأكد من أن الرافعة لن تتلف أجزاء الشاحنة المحيطة واضبط موضع الرافعة كما هو مطلوب.

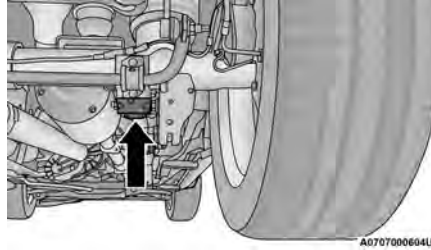
5. ارفع السيارة حتى تبتعد العجلة عن سطح الأرض بلف مفتاح ربط الصواميل في اتجاه دوران عقارب الساعة.

تحذير!

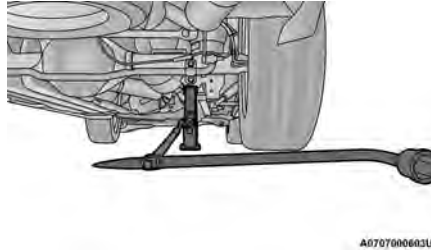
فقد يؤدي ارتفاع السيارة إلى مستوى أعلى من المطلوب إلى التأثير سلبياً على استقرار السيارة. فقد تنزلق السيارة من فوق الرافعة فجأة وتصيب من يقف بجوارها. ارفع السيارة بما يكفي فقط لفك الإطار.

6. قم بفك صواميل العجلة واسحب العجلة إلى الخارج. قم بتركيب العجلة الاحتياطية وصواميل العجلة مع توجيه الطرف المخروطي من صواميل العجل ناحية العجلة. اربط صواميل العجلة باليد والسيارة مرفوعة. لتجنب مخاطر انزلاق السيارة عن الرافعة، لا تحكم ربط صواميل العجلات تماماً حتى تخفض السيارة كلياً عن الرافعة.

7. اخفض السيارة إلى الأرض، وقم بإنهاء إحكام ربط صواميل العجلات. اضغط على مقبض مفتاح الربط للأسفل لزيادة فعالية قدرة الرفع. أحكم ربط صواميل العجلات على شكل نجمة بحيث يتم إحكام ربط كل صامولة عجلة مرتين. صفحة ٤٠٥. إذا لم تكن

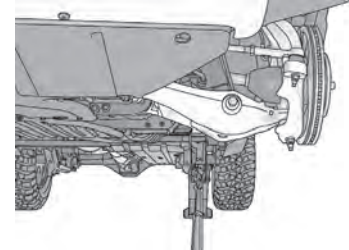


نقطة الرفع الخلفية



موقع الرفع الخلفي

قم بتوصيل وصلات التمديد الطويلة بمفتاح ربط الصواميل.

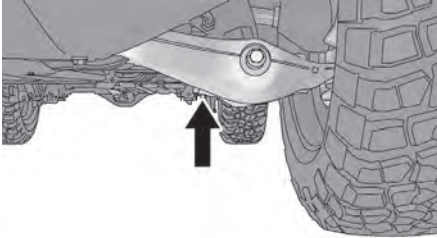


موقع الرافعة الأمامية - TRX فقط

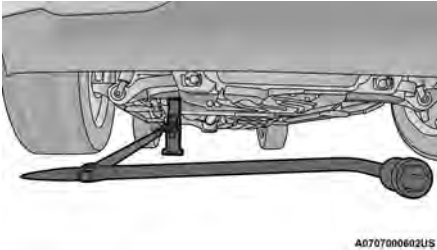
موقع الرفع الخلفي

قم بتشغيل الرافعة باستخدام وصلة التمديد مع خطاف الرافعة ومفتاح ربط الصواميل. يمكن استخدام أنابيب التمديد، ولكنها غير مطلوبة.

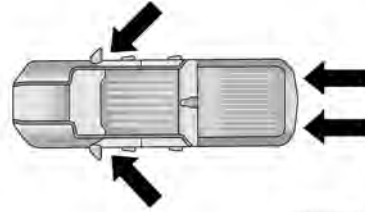
عند تغيير عجلة خلفية، قم بتجميع وصلة التمديد مع خطاف الرافعة في الرافعة وقم بتوصيل أنابيب التمديد. الوصول إلى مكان الرفع الخلفي من خلف الإطار الخلفي. ضع الرافعة أسفل نقطة الرفع بالرافعة الموجودة في كتيفة ذراع التحكم السفلي بالمحور الخلفي. ثم ضع الفتحة الموجودة في لوحة الرافعة في نقطة الرفع بالمحور الخلفي. صل وصلة التمديد بخطاف الرافعة للتمديد إلى خلف السيارة.



نقطة الرفع الأمامية - TRX فقط



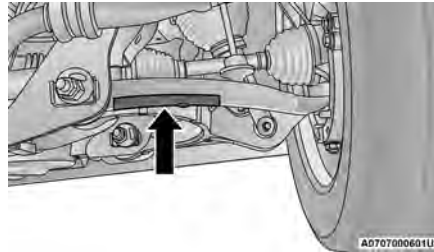
موقع الرفع الأمامي



وضع الرافعة / وصلات التمديد

موقع الرفع الأمامي

عند تغيير أي من العجلتين الأماميتين، ضع الرافعة المقصية تحت الجزء الخلفي من ذراع التحكم السفلي كما هو موضح. الوصول إلى مكان الرفع الأمامي من خلف الإطار الأمامي.

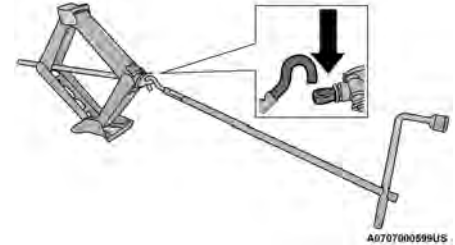


نقطة الرفع الأمامية

تنبيه!

لا تحاول رفع السيارة بوضع الرافعة في مواقع غير تلك الموضحة في تعليمات وضع الرافعة لهذه السيارة.

1. أخرج الإطار الاحتياطي والرافعة والأدوات من موضع التخزين.
2. باستخدام مفتاح ربط الصواميل، فك صواميل العجلة (ولكن دون إزالتها)، بتدويرها عكس اتجاه دوران عقارب الساعة بمقدار لفة واحدة والعجلة على الأرض.
3. قم بتركيب الرافعة وأدوات الرفع. قم بتوصيل موجه ذراع الرافعة بالملحق، ثم بمفتاح ربط الصواميل.

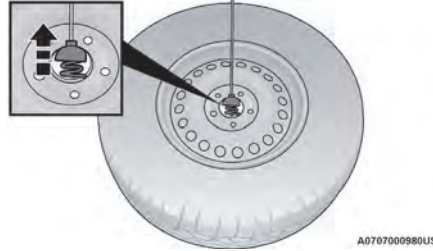


رافعة مجمعة والأدوات

4. ضبط موضع مواقع الرفع الأمامية والخلفية. راجع الصور التالية لمعرفة مواقع الرفع الصحيحة.

تحذير!

- لا تدخل تحت السيارة عندما تكون على رافعة. وإذا كنت مضطراً للدخول تحت سيارة مرفوعة، فخذ السيارة إلى مركز صيانة لرفعها على رافعة خاصة بذلك.
- استخدم الرافعة في المواضع المشار إليها فقط ولفرغ هذه السيارة أثناء تغيير إطار.
- عند العمل على طريق سيارات أو بالقرب منه، كن حذراً للغاية من السيارات المارة.
- للتأكد من تخزين الإطارات الاحتياطية المفردة أو المنتفخة بشكل محكم، يجب تخزين الإطارات الاحتياطية بحيث تتجه أسطوانة الصمام إلى الأرض.



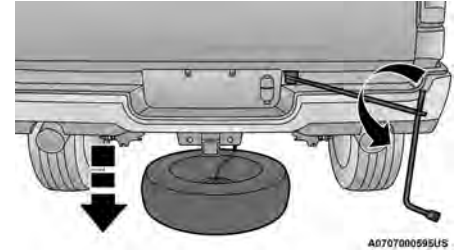
إلغاء تنشيط المثبت

تعليمات الرفع



تدوير مقبض مفتاح ربط الصواميل

5. اسحب الإطار الاحتياطي من الجزء السفلي للسيارة للوصول إلى مثبت الإطار الاحتياطي.



سحب الإطار الاحتياطي للخارج

6. ارفع الإطار الاحتياطي بإحدى يديك للسماح بخلوص لإمالة المثبت في نهاية الكابل.
7. اسحب المثبت عبر منتصف العجلة.

تحذير!

- اتبع تحذيرات تغيير الإطارات هذه للمساعدة في منع الإصابة البدنية أو تلف السيارة:
- قم دائماً بإيقاف السيارة على سطح مستو وصلب بعيداً عن حافة الطريق قدر الإمكان قبل رفع السيارة.
 - قم بتشغيل وامضات التحذير من الخطر.
 - استعمل فرامل التوقف وضع ناقل الحركة في وضع PARK (التوقف).
 - قم بوضع حاجز خلف العجلة المقابلة قطرياً للعجلة التي سيتم رفعها.
 - لا تقم بتشغيل السيارة أو تدوير المحرك أثناء وجود السيارة على الرافعة.
 - لا تدع أي شخص يجلس داخل السيارة عندما تكون على رافعة.

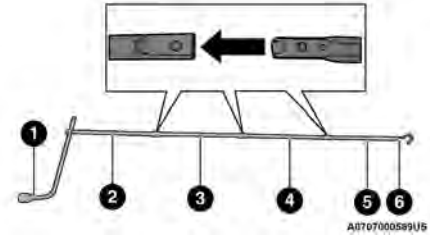
(تابع)



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ملصق تحذير الرافعة

التجميع لتشغيل الرافعة



التجميع لتشغيل الرافعة

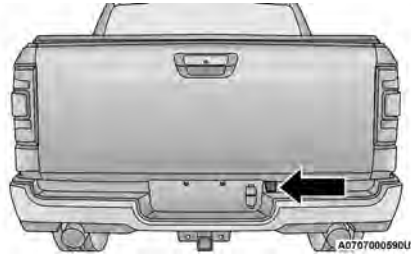
- 1 — مفتاح ربط الصواميل
- 2 — وصلة تمديد طويلة رقم 2
- 3 — وصلة تمديد طويلة رقم 3
- 4 — وصلة تمديد طويلة رقم 4
- 5 — وصلة تمديد قصيرة رقم 5
- 6 — وصلة تمديد مع خطاف

تحذير!

بعد استخدام الرافعة والأدوات، قم دائمًا بإعادة تركيبها في الحامل والموقع الأصلي. أثناء القيادة، قد تحدث توقفات مفاجئة أو زيادة في السرعة أو انعطافات حادة. قد تتحرك الرافعة غير محكمة التثبيت أو الأدوات أو السنادة أو الأشياء الأخرى الموجودة في السيارة بقوة مما يؤدي إلى حدوث إصابة خطيرة.

إخراج الإطار الاحتياطي

1. أخرج الإطار الاحتياطي قبل محاولة رفع الشاحنة. ركب مفتاح ربط الصواميل بأنابيب الامتداد بحيث تتجه الزاوية المنحنية بعيدًا عن السيارة.
2. قم بإزالة الغطاء الواقي الموجود فوق فتحة الوصول لآلية الونش عن طريق تحريك الغطاء لأعلى.

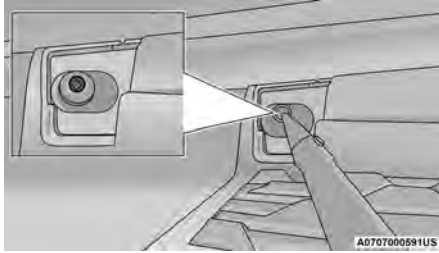


مكان غطاء فتحة الوصول

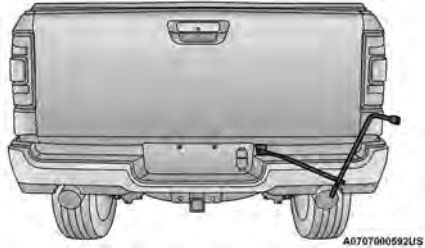
3. أدخل أنابيب الامتداد عبر فتحة الوصول بين باب المؤخرة السفلي والجزء العلوي من الواجهة/المصد وفي أنبوب آلية الونش.

تنبيه!

تم تصميم آلية المرافع للاستخدام مع أنابيب إطالة الرافعة فقط. ولا يجب استخدام مفتاح فك يعمل بضغط الهواء أو أي أدوات تعمل بالطاقة لأنها قد تتلف المرافع.



أنبوب آلية الونش



إدخال أنابيب الامتداد داخل فتحة الوصول

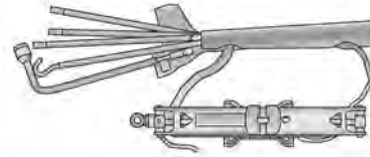
4. أدر مقبض مفتاح ربط الصواميل في عكس اتجاه عقارب الساعة حتى يصبح الإطار الاحتياطي على الأرض مع وجود ارتخاء كافٍ في السلك للسماح لك بإخراجه من تحت السيارة.

ملاحظة:

إذا كان الباب الخلفي منخفضًا، فستسمح إضافة وصلة التمديد الأقصر رقم 5 إلى وصلة التمديد الرافعة رقم 4 بخفض الإطار الاحتياطي دون الحاجة إلى رفع الباب الخلفي.

تنبيه!

- يمكن توصيل مفتاح ربط الصواميل بوصلة التمديد رقم 2 فقط.
- عند توصيل الأداة بالآلية المرفاع، تأكد من وضع فتحة الطرف الواسع الكبير على وصلة التمديد رقم 4 فوق صمولة ضبط آلية المرفاع بشكل صحيح.
- قد يحدث تلف بمفتاح ربط الصواميل، ووصلات التمديد، وآلية المرفاع بسبب التجميع غير الصحيح للأداة.

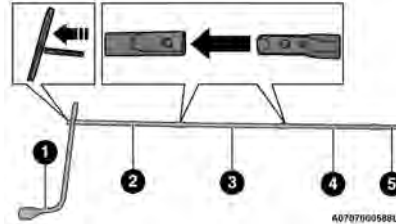


A0707000536US

الرافعة وحقيبة الأدوات

هناك طريقتان لتجميع الأدوات:

التجميع لخفض/رفع الإطار الاحتياطي



A0707000580US

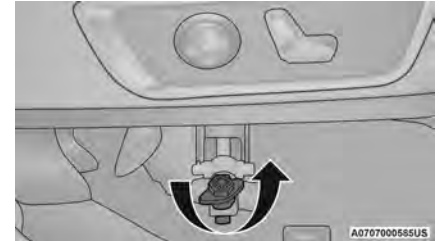
التجميع لخفض/رفع الإطار الاحتياطي

- 1 — مفتاح ربط الصواميل
- 2 — وصلة تمديد طويلة بدون مشبك نابضي رقم 2
- 3 — وصلة تمديد طويلة مع مشبك نابضي رقم 3
- 4 — وصلة تمديد طويلة مع مشبك نابضي رقم 4
- 5 — وصلة تمديد قصيرة رقم 5



اسحب غطاء الوصول من الأمام

قم بإزالة الرافعة والأدوات عن طريق لف المسمار المجنح عكس اتجاه عقارب الساعة. بعد فك مسمار المجنح، حرك المجموعة إلى الخارج من أسفل المقعد.



A0707000585US

الرافعة والأدوات

حرر أشرطة حقيبة الأداة من الرافعة وقم بإزالة الأدوات من الحقيبة.

رفع السيارة وتغيير الإطارات

تحذير!

- لا تحاول تغيير الإطار في الجانب القريب من حركة المرور. أوقف سيارتك بعيداً عن الطريق لكي تتفادى التعرض للدهس عند استعمالك للرافعة أو أثناء تغيير الإطار.
- يعد وجودك أسفل إحدى السيارات المرفوعة بواسطة رافعة شيئاً خطيراً حقاً. فقد تنزلق السيارة عن الرافعة وتسقط عليك. وقد تسحقك السيارة. لا تدخل أي جزء من جسمك تحت سيارة مرفوعة على رافعة. وإذا كنت مضطراً للدخول تحت سيارة مرفوعة، فخذ السيارة إلى مركز صيانة لرفعها على رافعة خاصة بذلك.
- لا تتشرع في تشغيل السيارة أو تدوير المحرك أثناء وجود السيارة على الرافعة.
- لقد تم تصميم الرافعة للاستخدام كأداة لتغيير الإطارات فقط. ويجب عدم استعمالها لرفع السيارة للقيام بخدمات الصيانة. يجب رفع السيارة على سطح ثابت ومستو. تجنب الأسطح المغطاة بالجليد أو الزلقة.

ملاحظة:

إذا كانت سيارتك مزودة بنظام التعليق الهوائي، فستوجد ميزة تتيح لك تعطيل ضبط المستوى الأوتوماتيكي للمساعدة في تغيير الإطار. يمكن تنشيط هذه الميزة من خلال نظام Uconnect الصفحة ٢٤٨.

التحضير لرفع السيارة

ملاحظة:

إذا كانت سيارتك مزودة بنظام التعليق الهوائي، فستحتاج إلى تمكين وضع رافعة الإطارات عبر نظام Uconnect قبل تغيير الإطار. الصفحة ١٦٠.

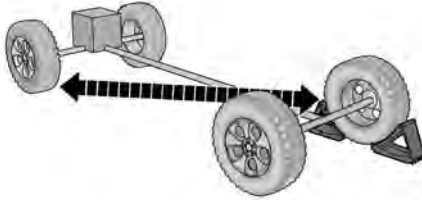
1. قم بإيقاف السيارة على سطح ثابت ومستو. تجنب الأسطح المغطاة بالجليد أو الزلقة.

تحذير!

لا تحاول تغيير الإطار في الجانب القريب من حركة المرور. أوقف سيارتك بعيداً عن الطريق لكي تتفادى التعرض للدهس عند استعمالك للرافعة أو أثناء تغيير العجلة.

2. قم بتشغيل وامضات التحذير من الخطر.
3. استعمل فرامل التوقف.
4. انقل ناقل الحركة إلى وضع التوقف (P).
5. أدر مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل).

6. ضع حواجز أمام كل من مقدمة ومؤخرة العجلة المقابلة لموضع الرفع. على سبيل المثال، عند تغيير العجلة الأمامية ناحية السائق، ضع حاجزاً خلف العجلة الخلفية ناحية الراكب.



A0707001133US

مثال على العجلة الموضوع أمامها حواجز

ملاحظة:

يجب خروج الراكب من السيارة قبل رفعها.

موقع الرافعة

يتم تخزين الرافعة والأدوات أسفل مقعد الراكب الأمامي.

إزالة الرافعة والأدوات

للوصول إلى الرافعة والأدوات، يجب عليك إزالة غطاء الوصول البلاستيكي الموجود على جانب مقعد الراكب الأمامي. وإزالة الغطاء، اسحب الجزء الأمامي منه (الأقرب إلى مقدمة المقعد) باتجاهك لتحرير لسان القفل. وبعد فك الجزء الأمامي من الغطاء، حرك الغطاء باتجاه مقدمة المقعد حتى يتحرر من إطار المقعد.

الأسئلة الشائعة:

ماذا يحدث إذا ضغطت على زر مكالمات الطوارئ SOS عن طريق الخطأ؟

- سيكون أمامك 10 ثوان بعد الضغط على زر مكالمات الطوارئ SOS لإلغاء المكالمات. لإلغاء المكالمات، اضغط على الزر مرة أخرى.

ما نوع المعلومات التي يتم إرسالها عند إجراء مكالمات طوارئ SOS من سيارتي؟

- يتم إرسال معلومات معينة عن السيارة، مثل رقم تعريف السيارة (VIN) إلى جانب آخر موقع GPS معروف. يُرجى الملاحظة أيضًا أنه يمكن لموظفي خدمة الطوارئ تسجيل المحادثات والأصوات في سيارتك بمجرد أن يتم الاتصال، وذلك باستخدام الخدمة التي وافقت عليها الخاصة بمشاركة هذه المعلومات.

متى يمكنني استخدام زر مكالمات الطوارئ SOS؟

- يمكنك استخدام زر مكالمات الطوارئ لإجراء مكالمات إذا كنت تحتاج أنت أو شخص آخر إلى المساعدة الطارئة فقط.



تحذير!

- تقوم وحدة التحكم في تثبيت الركاب (ORC) بإضاءة الضوء التحذيري بشأن الوسادة الهوائية بمجموعة أجهزة القياس في حالة اكتشاف عطل بأي جزء من نظام الوسادة الهوائية. في حالة إضاءة الضوء التحذيري بشأن الوسادة الهوائية، قد لا يعمل نظام الوسادة الهوائية بصورة صحيحة وقد لا يمكن نظام مكالمات الطوارئ SOS من إرسال إشارة إلى مشغل خدمة الطوارئ. إذا أضاء الضوء التحذيري بشأن الوسادة الهوائية، فاتصل بشبكة الخدمة لفحص نظام الوسائد الهوائية على الفور.
- تجاهل مؤشر LED في زر مكالمات الطوارئ SOS قد يعني عدم حصولك على خدمات مكالمات الطوارئ عند الحاجة إليها. إذا كان مؤشر LED في زر مكالمات الطوارئ SOS مضيئًا باللون الأحمر، فاتصل بشبكة الخدمة لفحص نظام مكالمات الطوارئ على الفور.
- إذا كان أي شخص داخل السيارة في خطر (مثل وجود حريق أو دخان أو ظروف طرق أو أماكن خطرة)، فلا تنتظر الاتصال الصوتي من مشغل خدمة الطوارئ. يجب أن يخرج جميع الركاب من السيارة على الفور وينتقلوا إلى موضع آمن.
- إن عدم الالتزام بتنفيذ الصيانة الدورية والقيام بالفحص الدوري للسيارة قد يتسبب في تلف السيارة أو وقوع حادث أو إصابة.

متطلبات النظام

- يجب أن تشمل السيارة على اتصال شبكة 3G أو 4G صالح للعمل.
- يجب تزويد السيارة بالطاقة من خلال نظام كهربائي يعمل بصورة صحيحة.
- يجب أن يكون مفتاح التشغيل في وضع RUN (الانطلاق) أو في وضع ACC (الملحقات).

تحذير!

- لا تضع أي شيء مطلقًا على هوائيات نظام تحديد المواقع العالمي (GPS) و3G بالسيارة أو بالقرب منها. فقد تمنع استقبال إشارة نظام تحديد المواقع العالمي (GPS) و3G، مما قد يمنع السيارة من إجراء مكالمات طوارئ. يلزم توفر اتصال شبكة الجيل الرابع (3G) الصالح للعمل وإشارة نظام تحديد المواقع العالمي (GPS) لكي يعمل نظام مكالمات الطوارئ SOS بطريقة صحيحة.
- لا تقم بإضافة أي معدة كهربية بديلة بالنظام الكهربائي للسيارة. قد يمنع هذا سيارتك من إرسال إشارة لبداية مكالمات طوارئ. لتجنب التداخل الذي قد يتسبب في تعطل نظام مكالمات الطوارئ SOS، لا تقم مطلقًا بإضافة معدة بديلة (على سبيل المثال، الراديو المحمول الثنائي أو راديو CB أو جهاز تسجيل البيانات أو ما شابه) إلى النظام الكهربائي بسيارتك ولا تعدل الهوائيات بالسيارة. إذا فقدت سيارتك طاقة البطارية لأي سبب كان (سواء كان ذلك أثناء وقوع حادث أو بعده)، فلن تعمل ميزات نظام MTC+ وتطبيقاته وخدماته إلى جانب أشياء أخرى.

(تابع)

يقوم نظام مكالمات الطوارئ SOS بإعادة توجيه المكالمات إلى خدمات الطوارئ بصورة أوتوماتيكية في حالة وقوع حادث مع تدخل الوسادة الهوائية، شريطة أن يكون جهاز الإشعال في وضع RUN (الانطلاق) وعمل الوسائد الهوائية. يؤدي الضغط على زر SOS الموجود على الكونسول العلوي إلى إضاءة الضوء الموجود في الزر. عند إجراء اتصال بين السيارة ومشغل السلامة العامة، ستقوم السيارة بنقل الموقع ومعلومات السيارة بصورة أوتوماتيكية إلى مشغل خدمة الطوارئ.

يمكن لمشغل السلامة العامة فقط إنهاء مكالمات الطوارئ SOS عن بُعد، والاتصال بالسيارة مرة أخرى من خلال نظام مكالمات الطوارئ عند الحاجة. بمجرد انتهاء المكالمة، يظل بإمكانك الاتصال بمشغل خدمة الطوارئ لتحديد معلومات إضافية عن طريق الضغط على الزر مرة أخرى.

لاستخدام مكالمات الطوارئ SOS

اضغط مع الاستمرار على زر مكالمات الطوارئ SOS لبضع ثوانٍ. سيومض مؤشر LED الموجود في زر SOS مرة واحدة ثم يظل مضيئاً للإشارة إلى إجراء المكالمة.

ملاحظة:

إذا تم الضغط على زر مكالمات الطوارئ SOS عن طريق الخطأ، فإنه تكون هناك فترة تأخير مدتها عشر ثوانٍ قبل إجراء المكالمة. سيصدر النظام إنذاراً منطوقاً بأن هناك مكالمة على وشك البدء. لإلغاء اتصال المكالمة، اضغط على زر مكالمات الطوارئ SOS مرة أخرى.

عقب إجراء اتصال بين السيارة وموظف خدمات الطوارئ، سيثبت نظام مكالمات الطوارئ SOS معلومات السيارة الهامة التالية إلى الموظف:

- إشارة إلى أن الراكب أجرى مكالمة طوارئ SOS.
- رقم تعريف السيارة (VIN).
- آخر إحدثيات GPS معروفة للسيارة.

ستكون قادراً بعد ذلك على التحدث إلى مشغل خدمة الطوارئ لتحديد ما إذا كانت هناك مساعدة إضافية مطلوبة.

تكون لمكالمات الطوارئ SOS الأولوية على مصادر الصوت الأخرى، والتي سيتم كتم صوتها. وإذا كان لديك هاتف متصل عبر تقنية Bluetooth®، فإنه يتم فصله وإعادة توصيله مرة أخرى عند انتهاء مكالمات الطوارئ SOS. ستوجهك المطالبات الصوتية أثناء مكالمة الطوارئ SOS. إذا تم إجراء اتصال بين موظف خدمة الطوارئ وسيارتك، فقد يسجل موظفو خدمة الطوارئ المحادثات والأصوات في سيارتك بمجرد أن يتم الاتصال، وذلك باستخدام الخدمة التي وافقت عليها الخاصة بمشاركة هذه المعلومات.

قيود نظام مكالمات الطوارئ SOS

عند تبديل مفتاح التشغيل إلى وضع RUN (الانطلاق)، سيعمل نظام مكالمات الطوارئ كفحص روتيني. أثناء هذا الفحص، سيضيء مؤشر باللون الأحمر لمدة ثلاث ثوانٍ تقريباً. يجب تمييز تلك الإشارة عن التحذير الخاص بوجود عطل. في حالة وجود عطل، سيظل المؤشر باللون الأحمر مضيئاً. إذا اكتشف نظام مكالمات الطوارئ وجود عطل، فقد يحدث أي مما يلي في حالة اكتشاف العطل:

- سيضيء مؤشر LED الموجود في زر SOS بصورة مستمرة باللون الأحمر.
- يتم تزويد نظام مكالمات الطوارئ ببطارية خاصة به غير قابلة لإعادة الشحن لضمان تشغيله، حتى عند نفاذ شحن بطارية السيارة أو فصلها. عند نفاذ شحن بطارية النظام، ستعرض شاشة عرض مجموعة أجهزة القياس رسالة خاصة مختلفة عن الرسائل الأخرى التي تشير إلى أنواع أخرى من الأعطال. في هذه الحالة، يعمل النظام إذا تم تزويده بالبطاقة من بطارية السيارة فقط.
- ستعرض مجموعة أجهزة القياس رسالة تنبهك بالاتصال بشبكة الخدمة إلى جانب ضوء تحذيري بوجود عطل.
- حتى إذا كان نظام مكالمات الطوارئ SOS يعمل بالكامل، فقد تتسبب بعض العوامل الخارجية الخارجة عن السيطرة في منع تشغيل مكالمات الطوارئ SOS أو إيقافها. وتشمل هذه العوامل، على سبيل المثال لا الحصر، العوامل التالية:
- مفتاح التشغيل في وضع OFF (إيقاف التشغيل).
- النظم الكهربائية في السيارة ليست سليمة.
- تلف برنامج و/أو جهاز نظام مكالمات الطوارئ SOS أثناء تصادم السيارة.
- وجود مشاكل في الشبكة قد تحد من تشغيل الخدمة أو تعيقها (مثل وجود خطأ من المشغل، أو انشغال الشبكة، أو الطقس السيء، إلخ).
- إذا فشل اتصال بطارية السيارة بسبب التصادم أو الحادث، فإنه يمكن أن يدعم النظام مكالمات الطوارئ SOS لفترة محدودة. إذا تم فصل البطارية لصيانتها، فسيتم إيقاف تشغيل النظام. في هذه الحالة، يمكن إجراء مكالمة الطوارئ SOS عند إعادة توصيل البطارية بالنظام الكهربائي للسيارة فقط.

في حالات الطوارئ

ملاحظة:

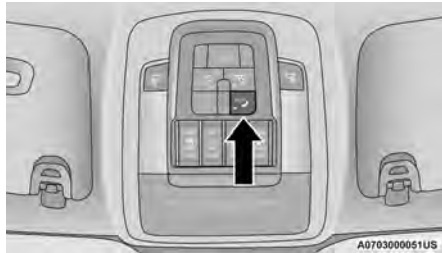
إن استخدام وامضات التحذير من الخطر لمدة طويلة قد يضعف البطارية.

مكالمة الطوارئ SOS — إذا كانت السيارة مزودة بذلك

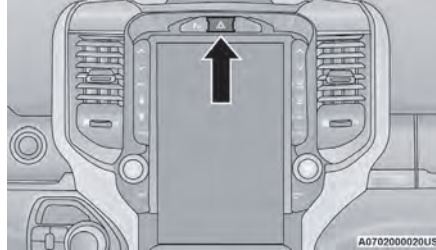
تشتمل سيارتك على ميزة المساعدة المدمجة المصممة لتوفير الدعم في حالة وقوع حادث و/أو حالة طوارئ. ويتم تنشيط هذه الميزة أوتوماتيكياً عن طريق تدخل الوسادة الهوائية أو يمكن تنشيطها يدوياً عن طريق الضغط على الزر الموجود على الكونسول العلوي.

ملاحظة:

ستعمل مكالمة الطوارئ مع مشغل شبكة ممكن فقط.



زر مكالمة الطوارئ SOS



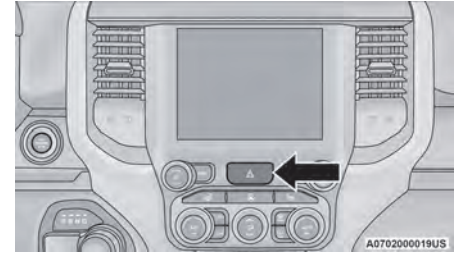
مفتاح Hazard Warning Flashers
(وامضات التحذير من الخطر) مع شاشة العرض
مقاس 12 بوصة

اضغط على الزر لتشغيل وامضات التحذير من الخطر. عند تنشيط الزر، ستومض كافة إشارات الانعطاف لتحذير السيارات القادمة من وجود حالة طارئة. اضغط على الزر مرة ثانية لإيقاف تشغيل وامض التحذير من الخطر. لا تستعمل هذه الإشارة الصوتية أثناء سير السيارة لأنها للتحذير في حالات الخطر. تُستخدم فقط عند تعطل السيارة أو صدور إشارات تحذير الخطر على سلامة سائقي السيارات الآخرين.

عند ترك السيارة لطلب المساعدة، فسوف تستمر وامضات التحذير من الخطر في العمل حتى بعد تحريك مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل).

وامضات التحذير من الخطر

يوجد زر وامضات التحذير من الخطر في مجموعة المفاتيح العلوية أسفل الراديو مباشرة.



زر وامضات التحذير من الخطر

ملاحظة:

إذا كانت سيارتك مزودة بشاشة عرض نظام Uconnect بحجم 12 بوصة، فسيكون زر وامضات التحذير من الخطر فوق شاشة العرض.

غاز العادم

للكسر أو التلف أو تم تركيبها في غير مواضعها. الشقوق أو التوصيلات غير المحكمة الغلق والتي قد تسمح لأدخنة العادم بالتسلل إلى داخل مقصورة الركاب. وبالإضافة إلى ذلك، افحص نظام العادم في كل مرة يتم فيها رفع السيارة بغرض التشحيم أو تغيير الزيت. استبدل نظام العادم إذا تطلب الأمر.

تحذيرات أول أكسيد الكربون

تحذير!

- يعتبر غاز أول أكسيد الكربون CO الموجود في غازات العادم مميتاً. اتبع الاحتياطات الموفرة لمنع التسمم بأول أكسيد الكربون:
- لا تقم باستنشاق غازات العادم. حيث تحتوي على أول أكسيد الكربون وهو غاز ليس له لون أو رائحة ويمكن أن يتسبب في الوفاة. لا تقم على الإطلاق بتشغيل المحرك في منطقة مغلقة مثل الكراج، ولا تجلس مطلقاً داخل سيارة متوقفة مع تشغيل المحرك لفترة زمنية طويلة. في حالة إيقاف السيارة في منطقة مفتوحة مع تشغيل المحرك لفترة طويلة، قم بضبط نظام التهوية لإدخال الهواء الجديد الخارجي داخل السيارة.
- قم بصيانة السيارة بشكل صحيح للوقاية من غاز أول أكسيد الكربون. قم بفحص نظام العادم في كل مرة يتم فيها رفع السيارة. قم بإصلاح أي خلل على الفور. وإلى أن يتم إصلاح الخلل، قم بالقيادة مع فتح جميع النوافذ الجانبية بالكامل.

تحذير!

- إن غازات العادم يمكن أن تسبب الأذى أو الوفاة. فهي تحتوي على أول أكسيد الكربون (CO) وهو عديم اللون والرائحة. وقد يتسبب في فقدان الوعي والتسمم إذا استنشقتة. ولتجنب استنشاق غاز أول أكسيد الكربون اتبع نصائح السلامة التالية:
- امتنع عن تشغيل المحرك في مرآب (كراج) مغلق أو أماكن مغلقة لمدة تزيد عما هو ضروري لإدخال أو إخراج سيارتك.
- إذا استدعت الضرورة قيادة السيارة وصندوق الأمتعة/باب المؤخرة/الأبواب الخلفية مفتوحة، فإنه يجب التأكد من أن جميع النوافذ مغلقة وأنه قد تم ضبط مفتاح مروحة التحكم في درجة الحرارة على سرعة عالية. ولا تستخدم وضع إعادة تدوير الهواء.
- إذا اضطرت إلى البقاء في سيارة متوقفة مع دوران المحرك تحكم بضوابط التدفئة أو التبريد لإدخال الهواء من الخارج إلى السيارة. وضع ضابط المروحة على سرعة عالية.

تعد أفضل وسيلة لحماية السيارة من تسرب غاز أول أكسيد الكربون إلى داخلها هو نظام عادم المحرك. فعند ملاحظة أي تغيير في صوت نظام العادم، أو عند الإحساس بتسرب أدخنة العادم داخل السيارة، أو عند تعرض الجزء الخلفي أو مؤخرة السيارة للتلف، فاطلب من الوكيل المعتمد فحص نظام العادم بالكامل والأجزاء الملاصقة له من البدن فقد تكون بعض الأجزاء تعرضت

تحذير!

- لتفادي التعرض لإصابة بالغة أو الوفاة عند استخدام الأجزاء والمعدات "الخاصة بالسباقات":
- لا تستخدم أي معدات "خاصة بالسباقات" على الطرق العامة. لا تفوض FCA US LLC باستخدام المعدة "الخاصة بالسباقات" على الطرق العامة.
- الغرض من الأجزاء "الخاصة بالسباقات" هو استخدامها في السيارات المستخدمة في حلبات السباق. للمساعدة على ضمان سلامة سائق السباقات، يجب أن يشرف المهندسون على تركيب الأجزاء "الخاصة بالسباقات".
- لا تفوض شركة FCA US LLC بتركيب أو استخدام أي جزء معروف بأنه "خاص بالسباقات" في أي سيارة جديدة قبل بيعها لأول مرة.

تحذير!

- لمنع حدوث الإصابات الخطيرة أو الوفاة:
- قم دائماً بإزالة أي معدات "خاصة بالسباقات" قبل القيادة على الطرق العامة.
- احرص دوماً على استخدام حزام الأمان ذي الثلاث نقاط بطريقة صحيحة عند القيادة على الطرق العامة.
- في حالة وقوع حادث اصطدام قد تتعرض أنت وركاب السيارة لإصابات بدنية خطيرة إذا لم يتم استعمال نظام ربط الحزام بصورة صحيحة. وربما ترتطم أنت بالجزء الداخلي من السيارة أو بالركاب الآخرين أو قد تقذف خارج السيارة.

فحوصات السلامة الدورية التي يجب إجراؤها خارج السيارة

الإطارات

افحص الإطارات لمعرفة ما إذا كان هناك أي تآكل زائد عن الحد في المدايس أو تآكل غير منتظم. تأكد من عدم وجود الحصى والمسامير والزجاج أو أي شيء آخر داخل المدايس أو الجدار الجانبي. افحص المدايس بحثاً عن قطوع وتشققات. افحص الجدران الجانبية بحثاً عن قطوع وتشققات ونقوءات. تحقق من إحكام ربط مسامير/صواميل العجلة. افحص الإطارات (بما في ذلك الإطار الاحتياطي) للتأكد من صحة ضغط الهواء البارد.

المصابيح

اطلب من أحد الأشخاص ملاحظة مصابيح الفرامل والمصابيح الخارجية عندما تقوم بتشغيل مفاتيحها. افحص إشارات الانعطاف ومؤشر الضوء العالي على لوحة أجهزة القياس (العدادات).

مزيج الباب

تأكد من صحة الإغلاق وآلية القفل والقفل.

تسرب السوائل

افحص المنطقة أسفل السيارة عند إيقافها لمدة طويلة وتأكد من عدم وجود أي وقود أو سائل تبريد أو زيت أو أي سوائل متسربة. وإذا لاحظت أيضاً وجود أدخنة بنزين أو كنت تشك في تسرب الوقود أو سائل الفرامل، فيجب التحري عن السبب وإصلاح الخلل فوراً.

تحذير!

- تأكد دائماً من عدم سقوط أشياء أو انزلاقها داخل منطقة أرضية جانب السائق أثناء تحرك السيارة. فقد تنحسر هذه الأشياء تحت دواسة الوقود أو دواسة الفرامل أو دواسة القابض مما يتسبب في فقدان التحكم في السيارة.
- لا تضع أي أشياء أسفل سجادة الأرضية (مثل المناشف، المفاتيح، إلخ). حيث إن هذه الأشياء قد تغير موضع سجادة الأرضية، وقد يؤدي هذا إلى حدوث معاوقة مع دواسة الوقود أو دواسة الفرامل أو دواسة القابض.
- إذا تمت إزالة سجادة السيارة ثم إعادة تثبيتها، فتأكد دائماً من ربط السجاد بالأرضية والتحقق من أن مثبتات سجادة الأرضية مثبتة بسجادة السيارة بشكل صحيح. اضغط بالكامل على كل دواسة للتحقق من عدم وجود معاوقة مع دواسة الوقود أو دواسة الفرامل أو دواسة القابض ثم أعد تثبيت سجادة الأرضية.
- يُنصح باستخدام صابون متعادل وماء فقط لتنظيف سجاد الأرضية. بعد التنظيف، تأكد دائماً من أن سجادة الأرضية قد تم تركيبها بشكل جيد وأنها مثبتة في السيارة باستخدام مثبتات سجادة الأرضية عن طريق سحب السجادة بلطف.

تحذير!



- احرص دائماً على إزالة سجادة الأرضية الموجودة من السيارة قبل تركيب أي سجادة أرضية أخرى. لا تقم مطلقاً بتركيب أو رص سجادة أرضية إضافية فوق سجادة أرضية موجودة.
- لا تتركب إلا سجادة الأرضية المصممة لملاءمة سيارتك. لا تتركب مطلقاً سجادة الأرضية التي لا يمكن ربطها وتثبيتها بشكل ملائم في سيارتك. إذا كانت سجادة الأرضية بحاجة للاستبدال، فلا تستخدم إلا سجادة الأرضية المعتمدة من FCA لماركة السيارة وطرزها وعام إنتاجها.
- لا تستخدم إلا سجادة الأرضية المخصصة لجانب السائق إلا مع منطقة أرضية جانب السائق. للتحقق من عدم وجود معاوقة، حينما تكون السيارة متوقفة بشكل صحيح أثناء توقف المحرك، اضغط بالكامل على دواسة الوقود ودواسة الفرامل ودواسة القابض (إذا كانت موجودة) للتحقق من عدم وجود معاوقة. إذا كانت سجادة الأرضية لديك تعوق عمل أي من الدواسات أو إذا لم تكن مثبتة جيداً بالأرضية، فأزل سجادة الأرضية من السيارة وضعها في صندوق السيارة.
- لا تستخدم سجادة الأرضية المخصصة لجانب الراكب إلا مع منطقة أرضية جانب الراكب.

(تابع)

نقل الحيوانات الأليفة

يمكن أن تسبب الوسائد الهوائية المنتفخة في المقعد الأمامي أذى للحيوانات الأليفة. وقد ينفذ الحيوان غير المقيد وقد يصاب بضرب أو يسبب الضرر للركاب أثناء التوقف المفاجئ أو في حالات الاصطدام.

لذلك يجب تثبيت الحيوانات الأليفة في المقعد الخلفي (إذا كانت السيارة مزودة بذلك) باستخدام أحزمة التثبيت أو الحاملات الخاصة بالحيوانات الأليفة التي يتم ربطها بأحزمة الأمان.

السيارات المتصلة

لا يمكن ضمان خصوصية أي اتصالات سلكية ولاسلكية. يمكن لأطراف خارجية اعتراض المعلومات والاتصالات الخاصة على نحو مخالف للقانون من دون موافقتك
 ➔ صفحة ١٣٠.

فحوص السلامة التي يجب إجراؤها داخل السيارة

أحزمة الأمان

افحص نظام أحزمة المقاعد بصورة دورية للتأكد من عدم وجود أجزاء مقطوعة أو ممزقة أو مرتخية. ويجب استبدال الأجزاء التالفة فوراً. لا تحاول فك الحزام أو إدخال التعديلات عليه.

إذا تعرضت سيارتك لحادث تصادم أو إذا كانت لديك أي أسئلة تتعلق بحزام الأمان أو ظروف آلية السحب، فتوجه بسيارتك إلى وكيل FCA معتمد لفحصها.

ضوء تحذيري بشأن الوسادة الهوائية

سيضيء ضوء تحذيري بشأن الوسادة الهوائية لمدة تتراوح ما بين أربع إلى ثماني ثوان كنوع من الفحص بالمصباح عند وضع مفتاح التشغيل



في وضع ON/RUN (التشغيل/الانطلاق)

لأول مرة. إذا لم يضيء هذا الضوء عند بدء التشغيل أو إذا استمر في الإضاءة أو إذا ظهر أثناء القيادة، فيجب فحص النظام لدى الوكيل المعتمد في أقرب وقت ممكن. بعد الفحص بالمصباح، سيضيء هذا المصباح مع صدور صافرة واحدة عند اكتشاف عطل بنظام الوسائد الهوائية. وسيظل مضاءً حتى يتم إصلاح العطل. في حالة إضاءة الضوء بشكل مقطوع أو بقاؤه مضاءً أثناء القيادة، اطلب من الوكيل المعتمد صيانة السيارة على الفور.
 راجع ➔ صفحة ٣٠٤ لمزيد من المعلومات.

مزيل الصقيع

افحص عمل النظام بتشغيل زر إزالة الصقيع ووضع المروحة على سرعة عالية. ويجب أن تشعر بالهواء الذي يتجه نحو الزجاج الأمامي. في حال وجود غطل في مزيل الصقيع، راجع الوكيل المعتمد لصيانتها.

معلومات الأمان الخاصة بسجادات أرضية السيارة

لا تتركب إلا سجادة الأرضية المصممة لملاءمة سيارتك دائماً. لا تستخدم إلا سجادة أرضية لا تؤثر على تشغيل دواسة الوقود أو دواسة الفرامل أو دواسة القابض. لا تستخدم إلا سجادة أرضية يمكن تثبيتها بإحكام تام باستخدام مثبتات سجادة الأرضية بحيث لا تنزلق عن موضعها وتتداخل مع دواسة الوقود أو دواسة الفرامل أو دواسة القابض أو تعيق التشغيل الآمن للسيارة بطرق أخرى.

تحذير!

في حالة عدم تثبيت سجادة الأرضية أو تلفها أو طيها أو تكديسها أو تلف مثبتات سجادة الأرضية، قد تتداخل سجادة الأرضية مع دواسة الوقود أو دواسة الفرامل أو دواسة القابض مما يتسبب في فقدان التحكم في السيارة. لمنع حدوث الإصابات الخطيرة أو الوفاة:

- تأكد دائماً من إحكام ربط سجادة الأرضية لديك باستخدام مثبتات سجادة الأرضية. لا تتركب سجادة الأرضية مقبولة ولا تطوها. اسحب بلطف لتأكيد إحكام تثبيت السجادة باستخدام مثبتات سجادة الأرضية بانتظام.



(تابع)

تحذير!

- الشريط المطول الذي لا يتم تثبيته بصورة صحيحة يمكن أن يزيد حركة رأس الطفل وإصابته. استخدم فقط الأوضاع المعينة لمثبت مقعد الطفل الموجودة مباشرة خلف مقعد الطفل لإحكام تثبيت شريط التطويل العلوي.
- إذا كانت السيارة مزودة بمقعد خلفي مقسم، فتأكد من عدم انزلاق شريط التطويل إلى الفتحة الموجودة بين ظهور المقاعد وقم بإزالة أي ارتخاء بالشريط.

نصائح السلامة

نقل الركاب

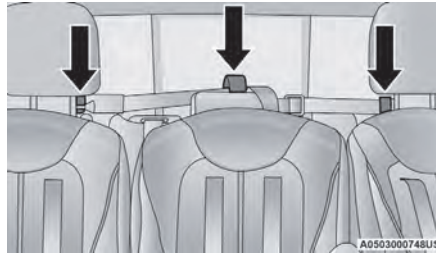
لا تقم بنقل الركاب مطلقاً في منطقة الحمولة.

تحذير!

- لا تترك الأطفال أو الحيوانات داخل السيارات المتوقفة في الطقس الحار. فقد يؤدي ارتفاع درجة الحرارة الداخلية إلى حدوث إصابات خطيرة أو الوفاة.
- يعتبر الجلوس في منطقة الحمولة في الداخل أو الخارج عند سير السيارة خطيراً جداً. ففي حالات الاصطدام من المحتمل جداً أن يتعرض الجالسون في هذه الأماكن إلى إصابات خطيرة أو مميتة.
- لا تسمح لأي شخص بالجلوس في أماكن لا تحتوي على أحزمة أمان أو مقاعد.
- تأكد من جلوس جميع الركاب في المقاعد واستعمالهم لأحزمة الأمان بصورة صحيحة.

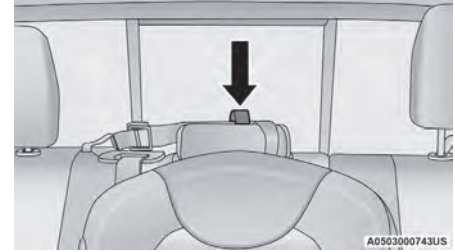
تركيب مثبتات الطفل الثلاثة:

1. ضع نظام تثبيت الأطفال على كلا من المقعدين الخلفيين الطرفين. مرر أشرطة التطويل مع مراعاة الإرشادات الخاصة بموضعي الجلوس الأيمن والأيسر الموضحة أعلاه.
2. ثبت الخطافين بحلقة شريط التطويل الوسطى ولكن لا تحكم ربط الأشرطة في هذه المرحلة.
3. ضع نظام تثبيت الأطفال على المقعد الخلفي الأوسط. مرر شريط التطويل مع مراعاة الإرشادات الخاصة بموضع الجلوس الأوسط الموضحة أعلاه.
4. ثبت الخطاف بحلقة شريط التثبيت الطرفية.



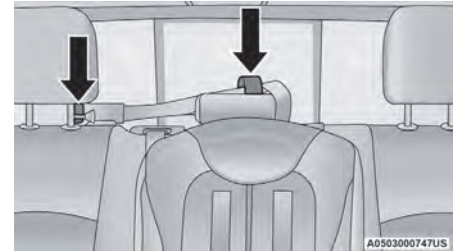
مواضع الجلوس الطرفية وفي المنتصف موضحة

5. أحكم ربط أشرطة التطويل تبعاً لإرشادات الجهة المصنعة لمقعد الأطفال وأحكم ربط أشرطة التطويل اليمنى واليسرى قبل شريط التطويل الأوسط.



شريط التطويل عبر حلقة شريط التطويل الوسطى

4. ثبت الخطاف بحلقة شريط التثبيت الطرفية (انظر الرسم التوضيحي). أحكم ربط شريط التطويل تبعاً لإرشادات الجهة المصنعة لمقعد الأطفال.



شريط التطويل عبر حلقة شريط التطويل الوسطى ومثبتة بحلقة شريط التطويل الطرفية



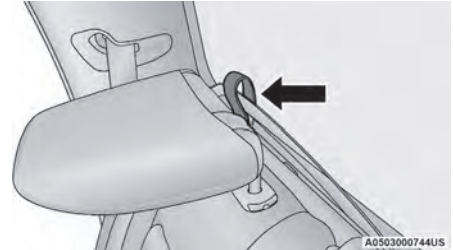
مثبتات شريط التطويل العلوية في هذه السيارة هي حلقات أشرطة التطويل الموجودة بين النافذة الخلفية وظهر المقعد الخلفي. وتوجد حلقة شريط مطوّل خلف كل موضع جلوس. اتبع الخطوات التالية لتركيب شريط التطويل لنظام تثبيت الأطفال.

المقاعد الخارجية اليمنى أو اليسرى:

1. قم بالوصول بين المقعد الخلفي والنافذة الخلفية للوصول إلى حلقة شريط التطويل.

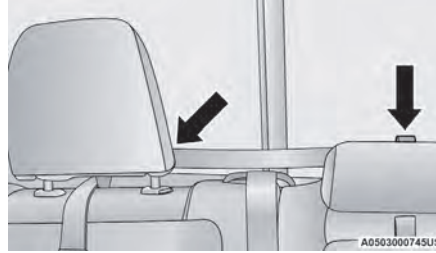
2. ضع نظام تثبيت الأطفال على المقعد واضبط شريط التطويل بحيث يصل فوق ظهر المقعد وعبر المسافة الموجودة بين مسند الرأس وظهر المقعد، من خلال حلقة شريط التطويل خلف المقعد وعبر حلقة شريط التطويل خلف المقعد الأوسط.

3. مرر خطاف شريط التطويل من خلال المسافة الموجودة بين مسند الرأس وظهر المقعد خلف مقعد الطفل، وعبر حلقة شريط التطويل خلف المقعد وفوق حلقة شريط التطويل الوسطى.



شريط التطويل عبر حلقة شريط التطويل

4. ثبت الخطاف بحلقة شريط التثبيت الوسطى (انظر الرسم التوضيحي). أحكم ربط شريط التطويل تبعاً لإرشادات الجهة المصنّعة لمقعد الأطفال.



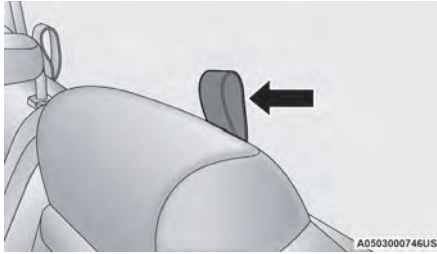
شريط التطويل عبر حلقة شريط التطويل الطرفية ومثبتة بحلقة شريط التطويل الوسطى

ملاحظة:

في حالة وجود مقاعد أطفال في كلتا مواضع الجلوس الطرفية (الجانب الأيمن والأيسر)، ينبغي توصيل خطاطيف شريط التطويل في كلا مقعدي الأطفال بحلقة شريط التطويل الوسطى. هذه هي الطريقة الصحيحة لتثبيت كلا مقعدي الأطفال الطرفيين.

المقعد الأوسط:

1. قم بالوصول بين المقعد الخلفي والنافذة الخلفية للوصول إلى حلقة شريط التطويل.



مكان حلقة شريط التطويل الوسطى

2. ضع نظام تثبيت الأطفال على المقعد واضبط شريط التطويل بحيث يصل إلى فوق ظهر المقعد ومسند الرأس، وعبر حلقة شريط التطويل خلف المقعد وفوق حلقة شريط التطويل خلف أي من المقعد الطرفي الأيمن أو الأيسر.

3. مرر خطاف شريط التطويل فوق مسند الرأس خلف مقعد الطفل، وعبر حلقة شريط التطويل خلف المقعد وفوق حلقة شريط التطويل الطرفي الأيمن أو الأيسر.

تركيب أنظمة تثبيت الأطفال باستخدام مثبتات أشرطة التطويل العلوية

تحذير!

لا تصل شريط تطويل خاص بمقعد السيارة المتجه للخلف بأي موقع في المقعد الأمامي من السيارة، بما في ذلك إطار المقعد أو مثبت شريط التطويل. قم فقط بتوصيل شريط التطويل الخاص بمقعد السيارة المتجه للخلف بـ مثبت شريط التطويل المعتمد لموضع الجلوس هذا، والموجود خلف الجزء العلوي من مقعد السيارة. لمعرفة موقع مثبتات شريط التطويل المعتمدة في السيارة، راجع ➡ صفحة ٣٢٦.



تحذير!

لا تضع نظام تثبيت الأطفال المتجه للخلف أمام وسادة هوائية مطلقاً. حيث قد يتسبب انتفاخ الوسادة الهوائية الأمامية للراكب في وفاة طفل يبلغ 12 عاماً أو أصغر، بما في ذلك الطفل الموجود في نظام تثبيت الأطفال المتجه للخلف، أو إصابته بإصابة بالغة.

4. اسحب السير لإحكام شد جزء الحوض حول مقعد الطفل.

5. لقلل حزام الأمان، اسحب جزء حزام الكتف حتى تقوم بسحب سير حزام الأمان كله خارج آلية السحب. ثم، اترك سير الحزام ينضم مرة أخرى داخل آلية السحب. أثناء انسحاب الحزام، ستسمع صوت قرقرة. وهذا يعني أن حزام الأمان قد أصبح في وضع القفل الأوتوماتيكي.

6. جرب سحب سير الحزام خارج آلية السحب. إذا كانت مقفلة، فلن تكون قادراً على سحب أي جزء من السير. إما إذا كانت آلية السحب غير مقفلة، فكرر الخطوة 5.

7. وأخيراً، قم بسحب أي جزء زائد من السير لإحكام ربط جزء الحوض حول نظام تثبيت الأطفال أثناء دفع نظام تثبيت الطفل نحو الخلف وللأسفل في مقعد السيارة.

8. إذا كان نظام تثبيت الأطفال يحتوي على شريط تطويل علوي وموضع الجلوس يحتوي على مثبت شريط تطويل علوي، فقم بتوصيل شريط التطويل بالمثبت وأحكم ربط شريط التطويل ➡ صفحة ٣٣١.

9. قم باختبار أنه تم تركيب نظام تثبيت الأطفال بشكل محكم عن طريق جذب للخلف وللأمام بمقعد الطفل في مسار الحزام. حيث ينبغي ألا يتحرك لأكثر من 25.4 مم (1 بوصة) في أي اتجاه.

ترتخي جميع أنظمة أحزمة المقاعد بمرور الوقت ولذلك قم بفحص الحزام من فترة إلى أخرى وقم بشده إذا دعت الحاجة.

تركيب نظام تثبيت الأطفال المزود بآلية سحب القفل الأوتوماتيكي (ALR) القابلة للتحويل:

لقد تم تصميم أنظمة تثبيت الأطفال ليتم إحكام تثبيتها في مقاعد السيارة بواسطة أحزمة الحوض أو جزء حزام الحوض في حزام الحوض/الكتف.

تحذير!

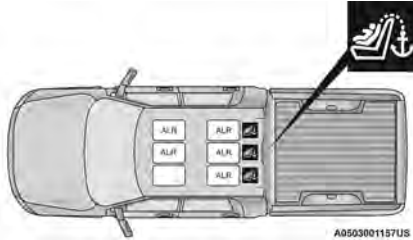
- قد يؤدي التركيب غير الصحيح أو عدم إحكام تثبيت نظام تثبيت الأطفال بطريقة صحيحة إلى تعطل نظام التثبيت. وقد يصاب الطفل بإصابات جسيمة أو مميتة.
- اتبع تعليمات الجهة المُصنِّعة لنظام تثبيت الأطفال بدقة عند تركيب نظام تثبيت الرضع أو الأطفال.

1. ضع مقعد الطفل في موضع الجلوس الأوسط. وإذا كان بالإمكان إمالة مقعد الصف الثاني، يمكنك إمالة المقعد و/أو رفع مسند الرأس (إذا كان قابلاً للضبط) للحصول على وضعية أكثر ملائمة. إذا كان من الممكن تحريك المقعد الخلفي للأمام وللخلف في السيارة، فقد ترغب في تحريكه لأقصى وضع للخلف لتترك مساحة لمقعد الطفل. كما يمكنك تحريك المقعد الأمامي إلى الأمام لتوفير مساحة أكبر لمقعد الطفل.

2. اسحب سير حزام الأمان من آلية السحب لتحريره خلال مسار نظام تثبيت الأطفال. لا تقم بلف سير الحزام في مسار الحزام.

3. أزل لوح المزلاج داخل حلقة التثبيت حتى تسمع صوت "طقطة".

أنظمة حزام الكتف/الحوض لتركييب أنظمة تثبيت الأطفال في هذه السيارة



مواقع آلية سحب القفل الأوتوماتيكي (ALR) — (جميع الطرز)

ALR - آلية سحب القفل الأوتوماتيكي القابلة للتحويل
 رمز مثبت شريط التطويل العلوي

تم تزويد أحزمة الأمان في مواضع جلوس الراكب بآلية سحب القفل الأوتوماتيكي (ALR) القابلة للتحويل والمصممة للحفاظ على جزء الحوض من حزام الأمان مشدوداً حول نظام تثبيت الطفل بحيث يمكن الاستغناء عن استعمال مشبك قفل. يمكن "تحويل" آلية سحب القفل الأوتوماتيكي (ALR) إلى وضع القفل عن طريق سحب سير الحزام بالكامل خارج آلية السحب، ثم تركه يعود مرة أخرى إلى داخل آلية السحب. إذا كانت مقفلة، فسوف تصدر آلية سحب القفل الأوتوماتيكي (ALR) صوت طقطقة عندما يتم سحب سير الحزام مرة أخرى داخل آلية السحب.

راجع وصف "وضع القفل الأوتوماتيكي" > صفحة ٣٠٩ لمعلومات إضافية حول آلية سحب القفل الأوتوماتيكي (ALR).

يُرجى مراجعة الجدول الموضح أدناه والأقسام التالية للتعرف على مزيد من المعلومات.

تركييب أنظمة تثبيت الأطفال باستخدام حزام أمان مقعد السيارة

لقد تم تصميم أنظمة تثبيت الأطفال ليتم إحكام تثبيتها في مقاعد السيارة بواسطة أحزمة الحوض أو جزء حزام الحوض في حزام الحوض/الكتف.

تحذير!

- قد يؤدي التركيب غير الصحيح أو عدم إحكام تثبيت نظام تثبيت الأطفال بطريقة صحيحة إلى تعطل نظام التثبيت. وقد يصاب الطفل بإصابات جسيمة أو مميتة.
- اتبع تعليمات الجهة المُصنِّعة لنظام تثبيت الأطفال بدقة عند تركيب نظام تثبيت الرضع أو الأطفال.

الأسئلة الشائعة حول تركيب أنظمة تثبيت الأطفال باستخدام أحزمة الأمان		
ما حد الوزن (وزن الطفل + وزن نظام تثبيت الأطفال) لاستخدام مثبت شريط التطويل مع حزام الأمان لتركييب نظام تثبيت الأطفال المتجه للأمام؟	حد الوزن لنظام تثبيت الأطفال	استخدم دوماً مثبت شريط التطويل عند استخدام حزام الأمان لتركييب نظام تثبيت الأطفال المتجه للأمام، حتى يصل إلى حد الوزن المُوصى به لنظام تثبيت الأطفال.
هل يمكن أن يتلامس نظام تثبيت الأطفال المتجه نحو الخلف مع ظهر مقعد الراكب الأمامي؟	نعم	يُسمح بالتلامس بين مقعد الراكب الأمامي ونظام تثبيت الأطفال، إذا كانت الجهة المُصنِّعة لنظام تثبيت الأطفال تسمح بمثل هذا التلامس.
هل يمكن إزالة مساند الرأس الخلفية؟	No (لا)	قد يتعذر إزالة مساند الرأس.
هل يمكن لف عمود الإبزيم لإحكام حزام الأمان في مقابلة مسار الحزام لنظام تثبيت الأطفال؟	No (لا)	لا تقم بلف عمود الإبزيم في موضع الجلوس مع استخدام آلية سحب القفل الأوتوماتيكي (ALR).

تثبيت الأطفال ثم اربطه. لا تقم بفتح حزام الأمان. قم بتذكير جميع الأطفال المتواجدين في السيارة أن أحزمة المقاعد ليست لعبة وأنهم يجب عليهم عدم اللعب بها.

تحذير!

- قد يؤدي سوء تركيب نظام تثبيت الطفل بنظام المثبتات السفلية وشرط التطويل للأطفال (LATCH) إلى عدم تثبيت نظام التثبيت بصورة صحيحة. وقد يصاب الطفل بإصابات جسيمة أو مميتة. اتبع تعليمات الجهة المصنعة لنظام تثبيت الأطفال بدقة عند تركيب نظام تثبيت الرضع أو الأطفال.
- لقد تم تصميم مثبتات نظام تثبيت الأطفال بحيث تتحمل الأحمال الخاصة بأنظمة تثبيت الأطفال المركبة بشكل صحيح فقط. ولا يجب تحت أي ظرف استخدامها مع أحزمة أو أجهزة الركاب البالغين أو لتثبيت عناصر أو معدات أخرى بالسيارة.

3. قم بربط الخطاطيف السفلية أو الموصلات لنظام تثبيت الأطفال بالمثبتات السفلية في موضع الجلوس المحدد.

4. إذا كان نظام تثبيت الأطفال يحتوي على شريط تطويل، فقم بتوصيل شريط التطويل العلوي بالمثبت. راجع صفحة ٣٣١ للتعرف على توجيهات تركيب مثبت شريط التطويل.

5. قم بشد هذه الأشرطة كلها أثناء دفع نظام تثبيت الطفل نحو الخلف وللأسفل في المقعد. تخلص من الارتخاء في الأشرطة وفقا لتعليمات الجهة المصنعة لنظام تثبيت الأطفال.

6. قم باختبار أنه تم تركيب نظام تثبيت الأطفال بشكل محكم عن طريق جذبته للخلف وللأمام بمقعد الطفل في مسار الحزام. حيث ينبغي ألا يتحرك لأكثر من 25.4 مم (1 بوصة) في أي اتجاه.

كيفية تخزين حزام الأمان غير المستخدم المزود بألية سحب القفل الأوتوماتيكي (ALR) القابلة للتبديل:

عند استخدام نظام التثبيت LATCH لتركيب نظام تثبيت الأطفال، قم بتخزين أحزمة الأمان المزودة بألية سحب القفل الأوتوماتيكي (ALR) بالكامل والتي لم يتم أحد الركاب باستخدامها أو يتم استخدامها لتأمين نظام تثبيت الأطفال. يمكن أن يتسبب الحزام غير المستخدم في إصابة الأطفال إذا قاموا باللعب به وتم قفل آلية سحب حزام الأمان دون قصد. قبل تركيب نظام تثبيت الأطفال باستخدام نظام LATCH، قم بربط إيزيم حزام الأمان خلف نظام تثبيت الأطفال وبعيدا عن متناول الأطفال. إذا تداخل حزام الأمان المربوط مع تركيب نظام تثبيت الأطفال، فبدلا من إدخال حزام الأمان خلف نظام تثبيت الأطفال، قم بتمرير حزام الأمان من خلال ممر حزام نظام

تحذير!

لا تستخدم نفس المثبت السفلي لتثبيت أكثر من نظام تثبيت أطفال واحد. صفحة ٣٢٨.

اتبع دوماً تعليمات الجهة المصنعة لنظام تثبيت الأطفال عند تركيبه. ولا تطبق تعليمات التركيب الواردة هنا على جميع أنظمة تثبيت الأطفال.

لتركيب نظام تثبيت الأطفال المتوافق مع نظام LATCH

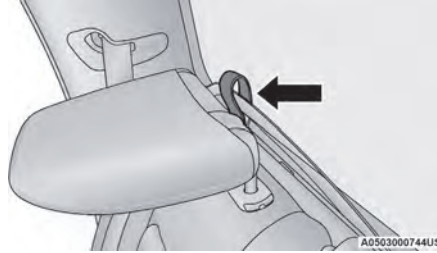
إذا كان موضع الجلوس المحدد به حزام أمان مزود بألية سحب القفل الأوتوماتيكي (ALR) القابلة للتحويل، فحزن حزام الأمان واتباع الإرشادات الموضحة أدناه. راجع صفحة ٣٣٠ للتحقق من نوع حزام الأمان المتوفر في كل موضع جلوس.

1. قم بإرخاء وصلة ضبط مقعد الطفل الموجودة على الأشرطة السفلية وعلى شريط التطويل كي تسهل ربط الخطاطيف أو الموصلات بمثبتات السيارة.
2. ضع مقعد الطفل بين المثبتات السفلية لموضع الجلوس هذا. وإذا كان بالإمكان إمالة مقعد الصف الثاني، يمكنك إمالة المقعد و/أو رفع مسند الرأس (إذا كان قابلا للضبط) للحصول على وضعية أكثر ملائمة. إذا كان من الممكن تحريك المقعد الخلفي للأمام وللخلف في السيارة، فقد ترغب في تحريكه لأقصى وضع للخلف لتترك مساحة لمقعد الطفل. كما يمكنك تحريك المقعد الأمامي إلى الأمام لتوفير مساحة أكبر لمقعد الطفل.

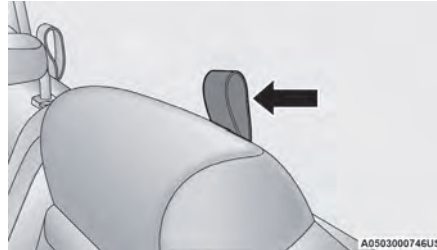
تثبيت الأطفال المتجهة للخلف مزودة بشريط تطويل.
سيحتوي شريط التطويل على خطاف في طرفه ليتم تركيبه
بمثبت شريط التطويل العلوي ويكون طريقة لإحكام ربط
الشريط بعد تركيبه بالمثبت.

نظام المثبتات السفلية وشريط التطويل للأطفال (LATCH) للمقعد الأوسط

جميع طرز **Quad Cabs** أو **Crew Cab** المزودة
بمقعد خلفي طويل: لا تتوفر مثبتات المزالج السفلية
المركزية



مثبت شريط التطويل الطرقي



تحذير!

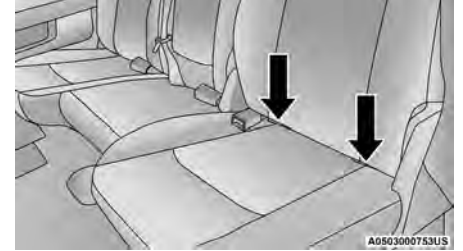
- لا تقم بتركيب نظام تثبيت الأطفال في الموضع الأوسط باستخدام نظام LATCH. هذا الوضع غير معتمد لتركيب مقاعد الأطفال باستخدام مثبتات LATCH. ينبغي عليك استخدام حزام الأمان ومثبت شريط التطويل لتركيب مقعد الطفل في موضع الجلوس الأوسط.
- لا تستخدم نفس المثبت السفلي لتثبيت أكثر من نظام تثبيت أطفال واحد ➡ صفحة ٣٢٩.

الطراز **Crew Cab** المزود بقعد خلفي طويل مُقسّم:
تتوفر مثبتات المزالج المركزية

إذا كان نظام تثبيت الأطفال المثبت في الموضع الأوسط يحجب سير حزام الأمان أو الإبزيم الخاص بالموضع الطرقي، فلا تستخدم هذا الموضع الطرقي. إذا كان مقعد الطفل في الموضع الأوسط يحجب مثبتات نظام LATCH الطرقي أو حزام الأمان، فلا تقم بتركيب مقعد الطفل في هذا الموضع الطرقي.

تحديد مكان مثبتات نظام المثبتات السفلية وشريط التطويل للأطفال (LATCH)

تكون المثبتات السفلية عبارة عن قضبان دائرية توجد بالجزء الخلفي من وسادة المقعد حيث تتلقي مع ظهر المقعد، وهي موجودة أسفل رموز المثبتات بظهر المقعد. وتكون مرئية فقط عندما تميل على المقعد الخلفي لتركيب نظام تثبيت الأطفال. وسوف تشعر بها بسهولة عند تحريك إصبعك بطول الفجوة بين سطحي ظهر المقعد ووسادته.



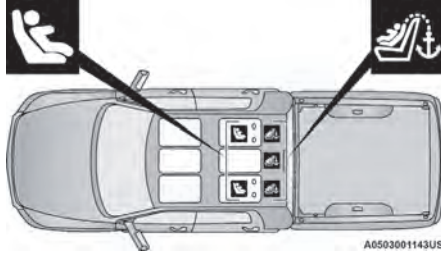
المقاعد الخلفية الطرقيّة بجانب السائق (مثال موضح)

تحديد موقع مثبتات شريط التطويل العلوي

توجد مثبتات شريط الربط خلف كل مقعد من المقاعد الخلفية.



الأسئلة المتداولة حول تركيب أنظمة تثبيت الأطفال بواسطة نظام المثبتات السفلية وشريط التطويل للأطفال (LATCH)		
ما حد الوزن (وزن الطفل + وزن نظام تثبيت الأطفال) لاستخدام نظام مثبتات LATCH لتركيب نظام تثبيت الأطفال؟	29.5 كجم (65 رطلاً)	استخدم نظام مثبتات LATCH عندما يكون مجموع وزن الطفل ونظام تثبيت الأطفال 29.5 كجم (65 رطلاً). استخدم حزام الأمان ومثبت شريط التطويل بدلاً من نظام LATCH بمجرد أن يكون مجموع الوزن أكثر من 29.5 كجم (65 رطلاً).
هل يمكن استخدام مثبتات LATCH وحزام الأمان معاً لتركيب نظام تثبيت الأطفال المتجه نحو الخلف أو المتجه نحو الأمام؟	No (لا)	لا تقم باستخدام حزام الأمان عند استخدام نظام مثبتات LATCH لتركيب نظام تثبيت الأطفال المتجه نحو الخلف أو المتجه نحو الأمام. يمكن تركيب مقاعد الرفع بنظام المثبتات السفلية وشريط التطويل للأطفال (LATCH) إذا كان مسموحاً به بواسطة الجهة المصنعة لمقعد الرفع. انظر دليل مالك مقعد الرفع للحصول على مزيد من المعلومات.
هل يمكن تركيب مقعد الطفل في الموضع الأوسط باستخدام المثبتات السفلية الداخلية لنظام المثبتات السفلية وشريط التطويل للأطفال (LATCH) من مواضع الجلوس الخارجية؟	No (لا)	الطرازان Quad Cab أو Crew Cab المزودان بمقعد خلفي طويل كامل: استخدم حزام الأمان ومثبت شريط التطويل لتركيب مقعد الطفل في موضع الجلوس الأوسط.
هل يمكن تركيب نظامين من أنظمة تثبيت الأطفال باستخدام مثبت LATCH السفلي المشترك؟	No (لا)	لا تقم مطلقاً "بمشاركة" استخدام مثبت LATCH لاثنتين أو أكثر من أنظمة تثبيت الأطفال. إذا لم يحتوي الموضع الأوسط على مثبتات LATCH السفلية المخصصة، فاستخدم حزام الأمان لتثبيت مقعد الطفل في الموضع الأوسط بجوار مقعد الطفل باستخدام مثبتات LATCH في الموضع الخارجي.
هل يمكن أن يتلامس نظام تثبيت الأطفال المتجه نحو الخلف مع ظهر مقعد الراكب الأمامي؟	نعم	قد يتلامس مقعد الطفل مع ظهر مقعد الراكب الأمامي إذا كانت الجهة المصنعة لنظام تثبيت الأطفال تسمح بمثل هذا التلامس. راجع دليل مالك نظام تثبيت الأطفال للتعرف على مزيد من المعلومات.
هل يمكن إزالة مساند الرأس الخلفية؟	No (لا)	قد يتعذر إزالة مساند الرأس.

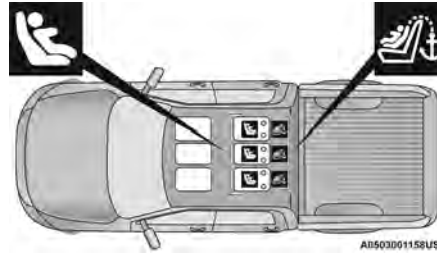


طراز **Crew Cab** المزود بمقعد طويل كامل، وطراز **Quad Cab** المزود بمقعد طويل كامل وطراز **Quad Cab** المزود بمقعد طويل مقسوم بنسبة **60/40** ومواقع نظام المثبتات السفلية وشريط التطويل للأطفال **(LATCH)**

رمز مثبت شريط التطويل العلوي
رمز المثبتات السفلية (مُثبتان لكل موضع جلوس)

مثل مواضع الجلوس تلك، يجب استخدام حزام الأمان مع مثبت شريط التطويل لتركيب نظام تثبيت الأطفال. يُرجى مراجعة الجدول التالي للتعرف على مزيد من المعلومات.

مواقع نظام **LATCH** لتركيب أنظمة تثبيت الأطفال في هذه السيارة



أوضاع نظام المثبتات السفلية وشريط التطويل للأطفال **(LATCH)** بالمقعد الطويل المُقسّم **60/40** في طراز **Crew Cab**

رمز مثبت شريط التطويل العلوي
رمز المثبتات السفلية (مُثبتان لكل موضع جلوس)

نظام المثبتات السفلية وشريط التطويل للأطفال **(LATCH)**



022668173

ملصق نظام المثبتات السفلية وشريط التطويل للأطفال **(LATCH)**

إن سيارتك مزودة بنظام المثبتات السفلية وشريط التطويل للأطفال لنظام تثبيت الأطفال يدعى **LATCH**. يضم نظام **LATCH** ثلاث نقاط تثبيت بالسيارة من أجل تركيب مقاعد الأطفال المزودة بنظام **LATCH**. يوجد مُثبتان سفليان في ظهر وسادة المقعد حيث تلتقي الوسادة بظهر المقعد ويوجد مثبت شريط التطويل العلوي خلف موضع الجلوس. تستخدم هذه المثبتات لتركيب مقاعد الأطفال المزودة بنظام **LATCH** من دون استخدام أحزمة أمان السيارة. قد تحتوي بعض مواضع الجلوس على مثبت شريط تطويل علوي ولا تحتوي على مثبتات سفلية. في

تحذير!

ولا تسمح للطفل أبدًا بوضع حزام الكتف خلف ظهره أو تحت ذراعه. في حالة التصادم، لن يحمي حزام الكتف الطفل بالكامل، مما قد ينتج عنه إصابة بالغة أو الوفاة. يجب أن يرتدي الطفل دائمًا جزئي حزام الحوض والكتف من حزام أمان المقعد بشكل صحيح.

إذا كانت الإجابة على أي من هذه الأسئلة هو "لا"، فهذا يعني أن الطفل لا يزال بحاجة إلى استخدام مقعد الرفع بهذه السيارة. إذا كان الطفل يستخدم حزام الكتف/الحوض، فافحص مدى إحكام ربط حزام الأمان بشكل دوري وتأكد من ربط حزام أمان المقعد. فقد يؤدي تلوي الطفل في المقعد أو تدليه منه إلى إزاحة الحزام من مكانه. إذا لامس حزام الكتف وجه الطفل أو رقبته، فحرك الطفل قليلًا إلى وسط السيارة أو استخدم مقعد معزز لوضع حزام أمان المقعد على الطفل بشكل صحيح.

توصيات لتركيبة أنظمة تثبيت الأطفال

استخدم أي طريقة تركيب موضحة بعلامة "X" أدناه				نوع نظام التثبيت	الوزن المجمع للطفل + نظام تثبيت الأطفال
حزام الأمان + مثبت شريط التطويل العلوي	نظام LATCH - المثبتات السفلية + مثبت شريط التطويل العلوي	حزام الأمان فقط	نظام LATCH - المثبتات السفلية فقط		
		X	X	نظام تثبيت الأطفال المتجه للخلف	حتى 29.5 كجم (65 رطلاً)
		X		نظام تثبيت الأطفال المتجه للخلف	أكثر من 29.5 كجم (65 رطلاً)
X	X			نظام تثبيت الأطفال المتجه للأمام	حتى 29.5 كجم (65 رطلاً)
X				نظام تثبيت الأطفال المتجه للأمام	أكثر من 29.5 كجم (65 رطلاً)

تحذير!

لا تَقم بتركيب مقعد سيارة متجه للخلف باستخدام قدم الدعم الخلفية في هذه السيارة. الأرضية في هذه السيارة غير مصممة لإدارة تأثيرات الاصطدام لهذا النوع من مقاعد السيارة. عند وقوع تصادم، قد لا تعمل قدم الدعم كما هو مصمم من قبل الجهة المُصنِّعة لمقاعد السيارة، ونتيجة لذلك قد يتعرض الطفل للإصابة البالغة.

**أنظمة تثبيت الأطفال الكبار والأطفال**

يمكن للأطفال ممن تجاوزوا العامين أو ممن أصبح مقعد الطفل القابل للتحويل غير مناسب لهم أن يستخدموا المقاعد الممتجة للخلف في السيارة. مقاعد الأطفال الممتجة نحو الأمام ومقاعد الأطفال القابلة للتحويل المستعملة نحو الأمام مخصصة للأطفال ممن تجاوزوا العامين أو من تجاوزوا حد

الطول أو الوزن الخاص بمقعد الطفل القابل للتحويل المتجه للخلف. ينبغي أن يظل الأطفال في المقعد المتجه للأمام باستخدام مجموعة الربط لأطول فترة ممكنة حتى يصلوا إلى أعلى وزن أو طول مسموح به لمقعد الأطفال. ينبغي استخدام كرسي رفع يُضبط بواسطة حزام لجميع الأطفال الذين تجاوزت أوزانهم أو أطوالهم حد مقعد الطفل المتجه للخلف حتى تصبح أحزمة أمان السيارة محكمة وملائمة للارتداء. إذا لم يكن في مقدور الطفل أن يجلس مع ثني الركبة على وسادة مقعد السيارة وظهره مقابلًا لظهر المقعد، فإنه يجب استخدام مقعد رفع مزود بإمكانية تغيير وضع الحزام. ويتم تثبيت الطفل ومقعد الرفع المزود بإمكانية تغيير وضع الحزام بواسطة حزام الأمان.

تحذير!

- سوء التركيب يمكن أن يؤدي إلى عدم أداء نظام تثبيت الرضيع أو الطفل وظيفته بصورة صحيحة. ومن الممكن أن يفصل نظام تثبيت الرضيع أو الطفل من مكانه. وقد يصاب الطفل بإصابات جسيمة أو مميتة. اتبع تعليمات الجهة المُصنِّعة لنظام تثبيت الأطفال بدقة عند تركيب نظام تثبيت الرضيع أو الأطفال.
- بعد تركيب نظام تثبيت الأطفال في السيارة، لا تقم بتحريك مقعد السيارة للأمام أو الخلف نظرًا لأنه يمكن أن يترخي تركيب ملحقات نظام تثبيت الأطفال. قم بإزالة نظام تثبيت الأطفال قبل ضبط موضع مقعد السيارة. وبعد ضبط موضع مقعد السيارة، أعد تثبيت نظام تثبيت الأطفال.

(تابع)

تحذير!

- عند عدم استخدام نظام تثبيت الأطفال، فاربطه بطريقة مأمونة بحزام الأمان أو نظام LATCH أو أخرجه من السيارة. ولا تتركه حُرًا داخل السيارة. ففي حالات توقف السيارة المفاجئ أو الاصطدام، قد يرتطم بالركاب أو ظهر المقعد مسببًا إصابات بدنية خطيرة.

الصغار الذين يزيد حجمهم عن مقاعد الرفع

إن الأطفال الذين يسمح لهم بحجمهم بربط حزام الكتف بصورة مريحة والذين تكون سيقانهم طويلة بما فيه الكفاية لأن تنطوي حول مقدمة المقعد عندما يكون ظهرهم منتصبًا وملائمًا لظهر المقعد يجب عليهم استخدام حزام الأمان الموجود في المقعد الخلفي. استخدم اختبار الخطوة 5 البسيط لتقرر ما إذا كان الطفل قادرًا على استخدام حزام أمان السيارة بمفرده:

1. هل يمكن للطفل الجلوس بالكامل مع وضع ظهره منتصبًا على ظهر مقعد السيارة؟
2. هل تنتهي ركبتي الطفل بصورة مريحة حول مقدمة مقعد السيارة أثناء جلوسه مع الرجوع إلى الخلف بالكامل؟
3. هل يمر حزام الكتف عبر كتف الطفل بين الرقبة والذراع؟
4. هل جزء الحوض من الحزام منخفض بقدر الإمكان مما يجعله يلامس فخذي الطفل وليس معدته؟
5. هل يمكن أن يظل الطفل جالس على هذه الصورة حتى نهاية الرحلة؟

ملخص للتوصيات الخاصة بتركيب أنظمة تثبيت الأطفال في السيارات

النوع الموصى به من أنظمة تثبيت الأطفال	حجم الطفل أو طوله أو وزنه أو عمره	الأطفال والرضع
إما حامل الأطفال أو نظام تثبيت الأطفال القابل للتحويل، بحيث يتجه للخلف في أحد المقاعد الخلفية بالسيارة	الأطفال ممن يبلغون عامين أو أقل ومن لم يبلغوا حدود الطول أو الوزن الخاصة بنظام تثبيت الأطفال الخاص بهم	الأطفال الصغار
نظام تثبيت الأطفال المتجه للأمام المزود بخمس نقاط تثبيت مع توجيه النظام للأمام في المقعد الخلفي بالسيارة	الأطفال ممن تبلغ أعمارهم عامين على الأقل أو الذين زاد طولهم أو وزنهم عن الحد الخاص بنظام تثبيت الأطفال المتجه للخلف	الأطفال الأكبر
مقعد الرفع المزود بإمكانية تغيير وضع الحزام وحزام الأمان بالسيارة مع الجلوس في المقعد الخلفي بالسيارة	الأطفال الذين كبروا على نظام تثبيت الأطفال المتجه للأمام ولكنهم ما زالوا صغارًا للغاية ليناسبهم حزام الأمان بالسيارة	الأطفال الكبار على أنظمة تثبيت الأطفال
حزام الأمان بالسيارة مع الجلوس في المقعد الخلفي بالسيارة	الأطفال ممن تبلغ أعمارهم 12 عامًا أو أقل، الذين زاد طولهم أو وزنهم عن الحد الخاص بمقعد الرفع	

أنظمة تثبيت الرضع والأطفال

يُوصي خبراء السلامة بوضع الأطفال في مقعد الأمان متجهين إلى الخلف حتى بلوغ العامين، أو حتى يصلوا إلى حد الطول أو الوزن الخاص بأنظمة تثبيت الأطفال المتجهة إلى الخلف. ويمكن استخدام نوعين من أنظمة التثبيت للأطفال المتجهة إلى الخلف وهما: حاملات الأطفال الرضع ومقاعد الأطفال القابلة للتحويل.

يمكن استخدام حامل الأطفال فقط بحيث يتجه نحو الخلف في السيارة. يُوصى باستخدامه للأطفال حديثي الولادة حتى يصلوا إلى حد الطول أو الوزن المناسب لحامل الأطفال. ويمكن استخدام مقاعد الأطفال القابلة للتحويل المتجهة نحو الأمام أو نحو الخلف في السيارة. غالبًا ما تزيد حدود الأوزان بالنسبة إلى مقاعد الأطفال القابلة للتحويل عند استخدامها متجهة إلى الخلف عن حدود حاملات الأطفال، لذا يمكن استخدامها متجهة نحو الخلف مع الأطفال الذين لم يعد حامل الأطفال مناسبًا لهم وما زالوا أقل من عامين.

حيث يجب المداومة على وضع الأطفال في المقاعد المتجهة إلى الخلف إلى أن يصلوا إلى أعلى وزن أو طول مسموح به في مقعد الأطفال القابل للتحويل.

تحذير!

- لا تضع نظام تثبيت الأطفال المتجه للخلف أمام وسادة هوائية مطلقًا. حيث قد يتسبب انفخاخ الوسادة الهوائية الأمامية للراكب في وفاة طفل يبلغ 12 عامًا أو أصغر، بما في ذلك الطفل الموجود في نظام تثبيت الأطفال المتجه للخلف، أو إصابته بإصابة بالغة.
- لا تتركب نظام تثبيت الأطفال المتجه للخلف في المقعد الأمامي في السيارة مطلقًا. استخدم نظام تثبيت الأطفال المتجه للخلف في المقعد الخلفي فقط. إذا كانت السيارة لا تشتمل على مقعد خلفي، فلا تحمل معك نظام تثبيت أطفال متجهًا للخلف في هذه السيارة.

ملاحظة:

لا تقوم السيارة بتسجيل بيانات جهاز تسجيل الحوادث (EDR) إلا في حالة حدوث تصادم كبير، ولا يتم تسجيل أي بيانات في جهاز EDR في ظروف القيادة العادية ولا يتم تسجيل بيانات شخصية (مثل الاسم والنوع والعمر وموقع التصادم). إلا أنه بإمكان الأطراف، مثل من لهم سلطة قانونية ضم بيانات جهاز تسجيل بيانات الحوادث (EDR) مع نوع من بيانات التعريف الشخصية المطلوبة بشكل روتيني أثناء التحقيق في الحادث.

يلزم وجود جهاز معين لقراءة البيانات التي قام جهاز تسجيل بيانات الحوادث (EDR) بتسجيلها، كما يلزم الوصول إلى السيارة وإلى جهاز تسجيل بيانات الحوادث (EDR). بالإضافة إلى الشركة المصنعة للسيارة، فإن الأطراف الآخرين مثل الجهات التي لها السلطة القانونية والتي لديها مثل هذا الجهاز، بإمكانها قراءة المعلومات إذا كان بإمكانهم الوصول للسيارة أو جهاز تسجيل بيانات الحوادث (EDR).

أنظمة تثبيت الأطفال

يجب ربط الحزام لكل ركاب سيارتك بمن فيهم الأطفال الرضع والصغار طوال الوقت.

يجب ربط الأطفال ممن تبلغ أعمارهم 12 عاماً أو الأكبر بأحزمة الأمان في مقعد خلفي، إذا توفر ذلك. وتشير إحصائيات التصادمات إلى أن تثبيت الأطفال في المقاعد الخلفية بشكل صحيح أكثر أماناً من تثبيتهم في المقاعد الأمامية.

**ملصق التحذير على واقي الشمس للراكب الأمامي****تحذير!**

- لا تستخدم مطلقاً نظام تثبيت أطفال متجهًا إلى الخلف على مقعد محمي بواسطة وسادة هوائية نشطة أمامه، إذ قد تحدث وفاة أو إصابة بالغة للطفل.
- لا تركيب نظام تثبيت الأطفال المتجه للخلف في المقعد الأمامي في السيارة مطلقاً. استخدم نظام تثبيت الأطفال المتجه للخلف في المقعد الخلفي فقط. إذا كانت السيارة لا تشتمل على مقعد خلفي، فلا تحمل معك نظام تثبيت أطفال متجهًا للخلف في هذه السيارة.
- حيث قد يتسبب انتفاخ الوسادة الهوائية الأمامية للراكب في وفاة طفل يبلغ 12 عاماً أو أصغر، بما في ذلك الطفل الموجود في نظام تثبيت الأطفال المتجه للخلف، أو إصابته بإصابة بالغة.

(تابع)

تحذير!

- في حالة التصادم، يمكن أن يصبح الطفل غير المثبت قذيفة داخل السيارة. وقد تصبح القوة المطلوبة للإمساك حتى بطفل رضيع في حضنك كبيرة للغاية بحيث لا يمكنك الإمساك بالطفل مهما بلغت قوتك. وقد يصاب الأطفال والآخرين بإصابة بالغة جدًا أو يتعرضون للوفاة. لذا يجب أن يتم تثبيت كل طفل في سيارتك بطريقة تتناسب مع حجمه.

هناك أحجام وأنواع مختلفة من أنظمة ربط أحزمة الأطفال بدءًا من المولودين حديثًا وحتى الأطفال الأكبر حجمًا والذين قد يكونوا بحجم يسمح لهم باستعمال حزام أمان الكبار. راجع دائمًا دليل مالك مقعد الطفل للتأكد من أن لديك النوع الصحيح من المقاعد لطولك. يُرجى قراءة جميع الإرشادات والتحذيرات الواردة في دليل مالك نظام تثبيت الأطفال والموجودة في جميع الملصقات المثبتة بنظام تثبيت الأطفال واتباعها.

قبل شراء أي نظام تثبيت تأكد من احتوائه على ملصق يؤكد مطابقته لكافة معايير السلامة. ينبغي أيضًا التأكد من إمكانية تركيبه في السيارة التي ستستخدمه فيها.

جهاز تسجيل بيانات الحوادث (EDR)

هذه السيارة مزودة بجهاز تسجيل بيانات الحوادث (EDR). الهدف الرئيسي من جهاز تسجيل بيانات الحوادث (EDR) في حالات وقوع التصادم والمواقف المشابهة هو تسجيل حالة انفتاح الوسائد الهوائية أو الاصطدام بعائق في الطريق؛ وسوف تساعد هذه البيانات في فهم كيفية عمل أنظمة السيارة. تم تصميم جهاز تسجيل بيانات الحوادث (EDR) لتسجيل البيانات المتعلقة بالأنظمة الديناميكية وأنظمة السلامة بالسيارة لفترة قصيرة من الوقت، وهي بشكل نموذجي 30 ثانية أو أقل. تم تصميم جهاز تسجيل بيانات الحوادث (EDR) بهذه السيارة لتسجيل بيانات مثل:

- كيفية عمل العديد من الأنظمة في السيارة؛
- إذا كان السائق والركاب قد قاموا بتهيئة/إغلاق أحزمة المقاعد أم لا؛
- مقدار ضغط السائق (إذا كان قد ضغط) على دواسرة البنزين و/أو الفرامل؛
- معدل سرعة السيارة.

يمكن أن تساعد هذه البيانات على توفير فهم أفضل للظروف التي وقعت فيها حوادث التصادم والإصابات.

صيانة نظام الوسائد الهوائية

تحذير!

- قد تؤدي أي تعديلات لأي جزء من نظام الوسائد الهوائية إلى تعطيله عند الحاجة إليه. وقد تتعرض لإصابة بدنية نتيجة لعدم وجود نظام وسادة هوائية لحمايتك. لا تقم بإدخال أي تعديلات على المكونات أو الأسلاك الكهربائية، بما في ذلك إضافة أي مصلقات على غطاء كسوة محور عجلة القيادة أو جانب الراكب العلوي من لوحة أجهزة القياس. لا تقم بتعديل المصدر/الواجهة في الأمام أو هيكل جسم السيارة ولا تقم بإضافة درج جانبي أو دواسات أبواب بديلة.
- من الخطر محاولة إصلاح أي جزء من نظام الوسائد الهوائية بنفسك. تأكد من إخبار أي شخص يعمل في سيارتك بأن بها نظام وسائد هوائية.
- لا تحاول تعديل أي جزء من نظام الوسائد الهوائية. فقد تنتفخ الوسادة الهوائية دون قصد أو قد لا تعمل بشكل صحيح في حالة إجراء تعديلات عليها. وتوجه بسيارتك إلى وكيل معتمد لإجراء أي عمليات صيانة مطلوبة لنظام الوسائد الهوائية. إذا احتاج المقعد إلى الصيانة بأي شكل من الأشكال بما في ذلك غطاء الكسوة ووسادة المقعد (ويشمل ذلك إزالة أو فك/إحكام ربط مسامير تثبيت المقعد)، فتوجه بالسيارة إلى الوكيل المعتمد. يمكن استخدام ملحقات المقاعد المعتمدة من الشركة المصنعة فقط. إذا لزم الأمر تعديل نظام الوسائد الهوائية للأشخاص المعاقين، فاتصل بالوكيل المعتمد.

ملاحظة:

بعد وقوع حادث، تذكر تدوير مفتاح التشغيل إلى وضع STOP (الإيقاف) OFF (إيقاف التشغيل)/LOCK (قف) وفك المفتاح من مفتاح التشغيل لتجنب تصرف البطارية. افحص السيارة بعناية بحثاً عن تسرب الوقود في غرفة المحرك وعلى الأرض بالقرب من غرفة المحرك وخزان الوقود قبل إعادة ضبط النظام وبدء تشغيل المحرك. إذا لم يكن هناك تسرب للوقود أو تلف بالأجهزة الكهربائية بالسيارة (مثل المصابيح الأمامية) بعد وقوع حادث، فأعد ضبط النظام باتباع الإجراء الوارد وصفه أدناه. في حال وجود أي شك، اتصل بالوكيل المعتمد.

إجراء إعادة ضبط نظام الاستجابة للحوادث المحسن

من أجل إعادة ضبط وظائف نظام الاستجابة للحوادث المحسن بعد وقوع حادث، يجب أن يتم تغيير مفتاح التشغيل من وضع START (بدء التشغيل) أو وضع ON/RUN (التشغيل/الانطلاق) إلى وضع OFF (إيقاف التشغيل). افحص السيارة بعناية بحثاً عن تسرب الوقود في غرفة المحرك وعلى الأرض بالقرب من غرفة المحرك وخزان الوقود قبل إعادة ضبط النظام وبدء تشغيل المحرك.

بعد وقوع حادث، إذا كانت السيارة لن تعمل بعد تنفيذ إجراء إعادة الضبط، فيجب سحب السيارة إلى وكيل معتمد ليتم فحصها وإعادة ضبط نظام الاستجابة للحوادث المحسن.

- آليات شد حزام الأمان
- مستشعرات وضع مسار المقعد
- نظام تصنيف الركاب

في حالة انتفاخ الوسائد الهوائية

تم تصميم الوسائد الهوائية الأمامية بحيث يزول انتفاخها على الفور بعد إتمام انتفاخها.

ملاحظة:

لن تنتفخ الوسائد الهوائية الأمامية و/أو الجانبية في كل حالات الاصطدام. وهذا لا يعني وجود خلل في نظام الوسائد الهوائية.

وإذا وقع حادث اصطدام يؤدي إلى انتفاخ الوسائد الهوائية تحدث أي من الحالات التالية أو جميعها:

- قد تسبب المواد المصنوعة منها الوسائد الهوائية كشط الجلد و/أو احمرار جلد الركاب وذلك عند انتفاخها وتحررها من موضعها. وحالات الكشط هذه مشابهة لآثار الاحتكاك بالجلد أو الانزلاق على سجادة أو على أرض صلبة الألعاب الرياضية. وهي لا تنجم عن ملامسة مواد كيميائية. وهي ليست دائمة وعموماً تشفى بسرعة. وإذا طالت فترة الشفاء لأكثر من بضعة أيام، أو إذا لاحظت فقاعات على الجلد، فراجع الطبيب فوراً.

- عندما يزول انتفاخ الوسادة الهوائية قد ترى جزيئات أشبه بالدخان. تعتبر هذه الجزيئات أمراً طبيعياً يتشكل أثناء عملية توليد الغاز غير السام الذي يستعمل لنفخ الوسادة الهوائية. وقد تسبب هذه الجزيئات التي يحملها الهواء حساسية للجلد أو العينين أو الأنف أو الحنجرة. وإذا أصبت بحساسية في جلدك أو في العينين، اغسلها بالماء البارد. وإذا أصبت بحساسية الأنف أو الحنجرة،

فعليك باستنشاق الهواء الطلق. وفي حالة استمرار الحساسية عليك أن تراجع الطبيب. إذا عقلت هذه الجزيئات بملابسك، فاغسلها حسب إرشادات الجهة المُصنِّعة.

لا تقم بقيادة السيارة بعد انتفاخ الوسائد الهوائية. لأنه إذا وقع تصادم آخر لك، فلن تكون الوسائد الهوائية بمكانها لتسمح بمساعتك.

تحذير!

الوسائد الهوائية التي انتفخت مسبقاً وشدادات أحزمة الأمان لا توفر الحماية في حالة وقوع اصطدام آخر. استبدل الوسائد الهوائية وآليات شد أحزمة الأمان ومجموعات الآليات سحب أحزمة الأمان بواسطة وكيل معتمد في أسرع وقت ممكن. قم أيضاً بصيانة نظام وحدة التحكم في تثبيت الركاب.

ملاحظة:

- قد لا تكون أغطية الوسائد الهوائية واضحة في الكسوة الداخلية، لكنها سوف تنتفخ أثناء انتفاخ الوسائد الهوائية.

- بعد وقوع أي تصادم، يجب اصطحاب السيارة على الفور إلى الوكيل المعتمد.

نظام الاستجابة للحوادث المحسن

في حالة الصدمات، إذا لم يحدث تلف في شبكة الاتصالات والطاقة، فستقوم وحدة التحكم في تثبيت الركاب (ORC)، حسب طبيعة الحادث، بتحديد ما إذا كان ينبغي أن يقوم نظام الاستجابة للحوادث المحسن بالوظائف التالية:

- قطع إمداد الوقود عن المحرك (إذا كانت السيارة مزودة بذلك)
- قطع طاقة البطارية عن الموتور الكهربائي (إذا كانت السيارة مزودة بذلك)
- وميض أضواء الخطر ما دامت البطارية تشتمل على طاقة
- تشغيل المصابيح الداخلية التي تظل مضاءة طالما توفرت الطاقة من البطارية لمدة 15 دقيقة من بداية تدخل نظام الاستجابة للحوادث المحسن
- إلغاء قفل أقفال الأبواب العاملة بالطاقة
- قد تكون سيارتك مصممة أيضاً لتنفيذ أي من تلك الوظائف الأخرى استجابة لنظام الاستجابة للحوادث المحسن:
- إيقاف تشغيل جهاز تدفئة فلتز الوقود، وإيقاف تشغيل محرك مروحة نظام التدفئة والتهوية والتكييف، وإغلاق باب إعادة تدوير الهواء لنظام التدفئة والتهوية والتكييف
- قطع إمداد طاقة البطارية إلى:
 - المحرك
 - الموتور الكهربائي (إذا كانت السيارة مزودة بذلك)
 - التوجيه المعزز كهربياً
 - معزز الفرامل
 - فرامل التوقف الكهربائية
 - محدد التروس بنقل الحركة الأوتوماتيكي
 - آلة التنبيه
 - المساحة الأمامية

لن تنتفخ الوسائد الهوائية الجانبية ولن تعمل أليات شد أحزمة الأمان في كل حوادث الانقلاب. يحدد نظام استشعار الانقلاب إذا ما كانت حالة الانقلاب مستمرة، وإذا ما كان الانتفاخ مناسباً أم لا. إذا تعرضت السيارة لحادث انقلاب أو حادث أوشكت فيه على الانقلاب، وكان انتفاخ الوسادة الهوائية مناسباً، فسيقوم نظام استشعار الانقلاب بنفخ الوسائد الهوائية الجانبية وأليات شد أحزمة الأمان على كلا جانبي السيارة.

قد تساعد الستائر القابلة للانتفاخ للوسائد الهوائية الجانبية الإضافية (SABIC) في تقليل مخاطر التعرض للانقلاب الجزئي أو الكلي لركاب السيارة عبر النوافذ الجانبية في بعض حوادث الانقلاب أو الصدمات الجانبية.

مكونات نظام الوسادة الهوائية

ملاحظة:

تراقب وحدة التحكم في تثبيت الركاب (ORC) الدوائر الداخلية ومجموعة الأسلاك المترابطة والمتصلة بمكونات نظام الوسائد الهوائية الكهربائية المدرجة أدناه:

- وحدة التحكم في تثبيت الركاب (ORC)
- ضوء تحذيري بشأن الوسادة الهوائية
- عمود وعجلة قيادة
- لوحة أجهزة القياس
- الوسائد الهوائية للركبة
- الوسائد الهوائية للسائق والراكب الأمامي
- مفتاح إبريزم حزام الأمان
- الوسائد الهوائية الجانبية الإضافية
- مستشعرات الصدمة الأمامية والجانبية

تحذير!

- تحتاج الوسائد الهوائية الجانبية إلى مساحة كافية لتنتفخ. لا تتكئ على الباب أو النافذة. اجلس منتصباً في وسط المقعد.
- قد يؤدي الاقتراب أكثر من اللازم من الوسائد الهوائية الجانبية أثناء الانتفاخ إلى تعرضك لإصابة جسيمة أو للوفاة.
- الاعتماد على الوسائد الهوائية الجانبية بمفردها قد يؤدي إلى إصابة بالغة عند التصادم. فالوسائد الهوائية الجانبية بالإضافة إلى حزام الأمان تعمل على إبقائك في مكانك بصورة صحيحة. وفي بعض حوادث التصادمات، قد لا تنتفخ الوسائد الهوائية الجانبية على الإطلاق. ارتد دوماً حزام الأمان حتى ولو كانت السيارة مزودة بوسائد هوائية جانبية.

ملاحظة:

قد لا تكون أغطية الوسائد الهوائية واضحة في الكسوة الداخلية، لكنها سوف تنتفخ أثناء انتفاخ الوسائد الهوائية.

حوادث انقلاب السيارة

تم تصميم وسائد الهواء الجانبية وأليات شد أحزمة الأمان ليتم تنشيطها في بعض حوادث انقلاب السيارة. تحدد وحدة التحكم في تثبيت الركاب (ORC) ما إذا كان الانتفاخ عند حدوث صدمة معينة أمراً مناسباً، وذلك حسب شدة التصادم ونوعه. لا يعد تلف السيارة بحد ذاته مؤشراً مناسباً لما إذا كانت الوسائد الهوائية ستنفخ وأليات شد أحزمة الأمان ستعمل أم لا.

مقصورة الركاب. قد تنتفخ الوسائد الهوائية الجانبية أثناء التصادمات الأمامية ذات الزاوية أو ذات الإزاحة حيث تنتفخ الوسائد الهوائية الأمامية.

الوسائد الهوائية ملحقة بنظام تثبيت حزام الأمان. تنتفخ الوسائد الهوائية في وقت أقل مما تستغرقه لتغض عينيك.

تحذير!

- يمكن أن يتعرض الركاب، بما فيهم الأطفال الواقفين أمام الوسائد الهوائية أو القريبين جداً منها، للإصابة البالغة أو الوفاة. يجب ألا يتكئ الركاب، بما في ذلك الأطفال، أو يناموا على الباب أو النوافذ الجانبية أو المنطقة التي تنتفخ فيها الوسائد الهوائية الجانبية، حتى لو كانوا داخل أنظمة تثبيت الرضع أو الأطفال.
- تعد أحزمة الأمان (أنظمة تثبيت الأطفال عند الاقتضاء) ضرورية لحمايتك في كل حالات التصادمات. كما تساعد أيضاً على المحافظة على وجودك في موضعك بعيداً عن الوسادة الهوائية الجانبية المنفخة. للحصول على أفضل حماية من الوسائد الهوائية، يجب على الركاب ارتداء أحزمة الأمان بطريقة صحيحة مع الجلوس في الوضع المستقيم معد وجود ظهور الركاب في مواجهة ظهور المقاعد. يجب تثبيت الأطفال بصورة صحيحة في مقعد الرفع أو نظام تثبيت الأطفال الذي يتناسب مع حجم الطفل.

تحذير!

- لتعمل الستائر القابلة للانفخاخ للوسائد الهوائية الجانبية الإضافية (SABIC) كما يجب، فلا تقم بتركيب أي مواد ملحقه في السيارة قد تعمل على تغيير السقف. لا تقم بإضافة سقف متحرك بديل إلى سيارتك. لا تضيف حمالة السقف التي تتطلب إضافات دائمة (مسامير أو براغي) لتثبيتها في سقف السيارة. لا تحفر في سقف السيارة لأي سبب.

الصدّامات الجانبية

تم تصميم الوسائد الهوائية الجانبية ليتم تنشيطها في بعض الصدّامات الجانبية. تحدد وحدة التحكم في تثبيت الركاب (ORC) ما إذا كان انفخاخ الوسائد الهوائية الجانبية في حادث تصادم معين أمراً مناسباً، استناداً إلى شدة التصادم ونوعه. مستشعرات الصدّامات الجانبية تساعد وحدة التحكم في تثبيت الركاب (ORC) في تحديد الاستجابة المناسبة لحوادث التصادم. تمت معايرة النظام لنفخ الوسائد الهوائية الجانبية على جانب السيارة الذي حدث به التصادم أثناء التصادمات التي تتطلب حماية الركاب بالوسائد الهوائية الجانبية. في حالات التصادم الجانبي، تنتفخ الوسائد الهوائية بشكل منفصل؛ بحيث يؤدي التصادم من الجانب الأيسر إلى انتفاخ الوسائد الهوائية اليسرى فقط، ويؤدي التصادم من الجانب الأيمن إلى انتفاخ الوسائد الهوائية اليمنى فقط. لا يعد تلف السيارة بحد ذاته مؤشر مناسب لما إذا كانت الوسائد الهوائية ستنفخ أم لا.

لن تنتفخ الوسائد الهوائية الجانبية في جميع التصادمات الجانبية، بما في ذلك بعض الحوادث بزاوية معينة أو بعض التصادمات الجانبية التي لا تؤثر على منطقة

قد تساعد الستائر القابلة للانفخاخ للوسائد الهوائية الجانبية الإضافية (SABIC) على تقليل مخاطر إصابات الرأس والإصابات أخرى لركاب المقاعد الأمامية والخلفية جهة الخارج في بعض الصدّامات الجانبية، بالإضافة إلى تقليل الإصابة المحتملة التي قدّمها أحزمة الأمان وهيكّل الجسم. تنتفخ الستائر القابلة للانفخاخ للوسائد الهوائية الجانبية الإضافية (SABIC) إلى الأسفل، بحيث تغطي النوافذ الجانبية. تدفع الستائر القابلة للانفخاخ للوسائد الهوائية الجانبية الإضافية (SABIC) الحافة الخارجية للكسوة بعيداً عن مسار الانفخاخ وتغطي النافذة. يتم نفخ الستائر القابلة للانفخاخ للوسائد الهوائية الجانبية الإضافية (SABIC) بالهواء بقوة تكفي لإصابة الركاب إذا لم يكونوا يستخدمون حزام الأمان ويجلسون بصورة صحيحة، أو في حالة وجود متعلقات في المنطقة التي تنتفخ فيها الستائر القابلة للانفخاخ للوسائد الهوائية الجانبية الإضافية (SABIC). يكون الأطفال عرضة للإصابة بشكل أكبر بسبب انتفاخ الوسادة الهوائية.

قد تساعد الستائر القابلة للانفخاخ للوسائد الهوائية الجانبية الإضافية (SABIC) في تقليل مخاطر التعرض للانفخاخ الجزئي أو الكلي لركاب السيارة عبر النوافذ الجانبية في بعض حوادث الصدّامات الجانبية.

تحذير!

- لا تتركب معدات، ولا تضع أمتعة أو أشياء أخرى بارتفاع يعوق انتفاخ الستائر القابلة للانفخاخ للوسائد الهوائية الجانبية (SABIC). ينبغي أن تظل الكسوة التي تغطي النوافذ الجانبية حيث الستائر القابلة للانفخاخ للوسائد الهوائية الجانبية (SABIC) ومسار انتفاخها خالياً من أي عوائق.

(تابع)

تحذير!

لا تستخدم أغطية المقاعد الملحقة، ولا تضع أي أشياء بينك وبين الوسائد الهوائية الجانبية، حيث قد يتأثر أداء هذه الوسائد بشدة و/أو قد تنتفخ هذه الأشياء بقوة تجاهك؛ مما قد يؤدي إلى حدوث إصابة بالغة.

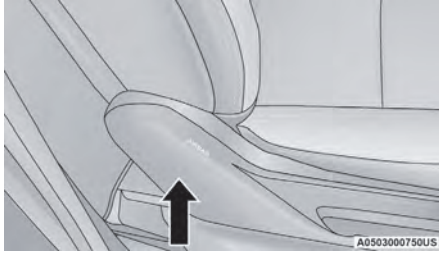
الستائر القابلة للانفخاخ للوسائد الهوائية الجانبية الإضافية (SABIC)

هذه السيارة مزوّدة بنظام الستائر القابلة للانفخاخ للوسائد الهوائية الجانبية الإضافية (SABIC).

تقع الستائر القابلة للانفخاخ للوسائد الهوائية الجانبية الإضافية (SABIC): فوق النوافذ الجانبية. يتم تمييز الكسوة التي تغطي الستائر القابلة للانفخاخ للوسائد الهوائية الجانبية الإضافية (SABIC) بعبارة "SRS" "AIRBAG" أو "AIRBAG".



موقع ملصق الستائر القابلة للانفخاخ للوسائد الهوائية الجانبية الإضافية (SABIC)



ملصق الوسادة الهوائية الجانبية الإضافية المركبة في المقعد

عندما تنتفخ الوسائد الهوائية الجانبية الإضافية المركبة في المقعد (SAB)، فإنها تفتح خط الالتحام على الجانب الخارجي من غطاء كسوة ظهر المقعد. وتخرج الوسائد الهوائية الجانبية الإضافية المركبة بالمقعد (SAB) عند انتفاخها من شق المقعد إلى الحيز الموجود بين الراكب والباب. تتحرك الوسائد الهوائية الجانبية (SAB) بسرعة عالية للغاية وبقوة عيفة قد تؤدي إلى إصابة الراكب إن لم يكونوا جالسين بصورة صحيحة، أو إذا كانت هناك حاجيات في الحيز الذي تنتفخ فيه الوسائد الهوائية الجانبية (SAB). يكون الأطفال عرضة للإصابة بشكل أكبر بسبب انتفاخ الوسادة الهوائية.

تحذير!

- لا تحفر أو تقطع أو تعبث في وسائد حماية الركبة من الصدمات بأي شكل.
- لا تضع أي ملحقات عند الوسائد الهوائية للركبة مثل أضواء الإنذار أو أجهزة الاستيريو أو أجهزة راديو موجات المواطنين، وما إلى ذلك.

الوسائد الهوائية الجانبية الإضافية

الوسائد الهوائية الجانبية الإضافية المركبة في المقعد (SAB)

هذه السيارة مزودة بوسائد هوائية جانبية إضافية مركبة بالمقعد (SAB).

توجد الوسائد الهوائية الإضافية الجانبية المركبة في المقعد (SAB): في الجانب الطرقي من المقاعد الأمامية. تشمل الوسائد الهوائية الإضافية الجانبية على ملصق "SRS AIRBAG" أو "AIRBAG" على الجانب الطرقي من كسوة المقاعد.

قد تساعد الوسائد الهوائية الجانبية الإضافية المركبة في المقعد (SAB) في تقليل خطر حدوث إصابة أثناء حدوث بعض الصدمات الجانبية، بالإضافة إلى تقليل الإصابة المحتملة التي توفرها أحزمة الأمان وهيكّل الجسم.

- عدم إضافة غطاء مقعد أو سجادة ثانوية.

ينبغي عدم تعديل أي مكوّن لنظام التثبيت الإضافي (SRS) أو أي مكوّن أو مثبت متعلق بنظام التثبيت الإضافي (SRS) أو استبداله مطلقاً في أي وقت بأي جزء باستثناء الأجزاء المعتمدة من قبل شركة FCA.

تحذير!

- قد تُغيّر التعديلات أو إجراءات الصيانة غير المعتمدة لمجموعة مقعد الراكب والمكونات المتعلقة بها أو غطاء المقعد أو الوسادة طريقة انتفاخ الوسادة الهوائية من دون قصد في حالة وقوع تصادم أمامي. وقد يتسبب ذلك في الوفاة أو في إصابة بالغة للراكب الأمامي إذا تعرضت السيارة لتصادم. وقد لا تتوافق السيارة المعدلة مع معايير سلامة السيارات الفيدرالية (FMVSS) و/أو معايير سلامة السيارات الكندية (CMVSS).
- إذا لزم الأمر تعديل نظام الوسائد الهوائية للأشخاص المعاقين، فاتصل بالوكيل المعتمد.

الوسائد الهوائية للركبة

تساعد وسائد حماية الركبة من الصدمات على حماية ركبتي السائق والراكب الأمامي وتضع ركب المقعد الأمامي في أفضل وضع للتفاعل مع الوسائد الهوائية الأمامية.

سيتم تشغيل الضوء التحذيري للوسادة الهوائية في لوحة أجهزة القياس عندما يتعذر على نظام تصنيف الركاب (OCS) تصنيف حالة مقعد الركاب الأمامي. قد يؤثر تعطل نظام تصنيف الركاب (OCS) على تشغيل نظام الوسائد الهوائية.

إذا لم يُضئ الضوء التحذيري بشأن الوسادة الهوائية أو إذا استمر في الإضاءة بعد تشغيل السيارة أو إذا أضاء أثناء قيادة السيارة، فيجب أخذ السيارة إلى وكيل معتمد للصيانة فوراً.

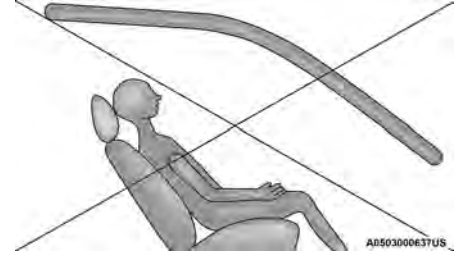
تحتوي مجموعة مقعد الركاب على مكونات نظام تصنيف الركاب (OCS) الهامة والتي يمكن أن تؤثر على انتفاخ الوسادة الهوائية المتقدمة للأمامية للراكب. حتى يتمكن نظام تصنيف الركاب (OCS) من تصنيف راكب المقعد الأمامي بشكل صحيح، يجب أن تعمل مكونات نظام تصنيف الركاب (OCS) كما تم تصميمها. لا تقم بإجراء أي تعديلات على مكونات مقعد الركاب الأمامي أو مجموعة المقعد أو غطاء المقعد. إذا كان المقعد أو غطاء الكسوة أو الوسادة بحاجة للصيانة لأي سبب، فخذ السيارة إلى الوكيل المعتمد. يمكن استخدام ملحقات المقاعد المعتمدة من شركة FCA فقط.

يجب اتباع المتطلبات التالية بدقة:

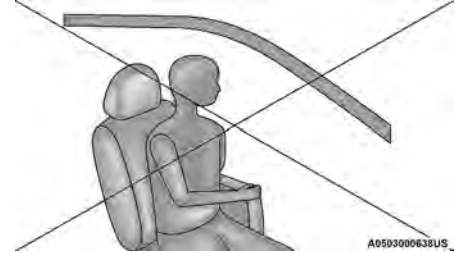
- عدم تعديل مجموعة مقعد الركاب الأمامي أو مكوناتها بأي شكل من الأشكال.
- عدم استخدام أعطية مقاعد أو وسائد من طراز سنة سابقة أو سنة تالية غير مُصممة من قبل شركة FCA للطراز المحدد الذي يجري إصلاحه. استخدام غطاء المقعد والوسادة الصحيحين المحددين للسيارة دائماً.
- عدم استبدال غطاء المقعد أو الوسادة بغطاء مقعد أو وسادة بديلة.

تحذير!

- إذا كان هناك نظام تثبيت أطفال أو طفل أو مراهق صغير أو بالغ يجلس في مقعد الركاب الأمامي بشكل غير صحيح، فقد يعطي الركاب إشارة خرج إلى نظام تصنيف الركاب (OCS) مختلفة عن إدخال وزن الركاب الجالس بشكل صحيح. وقد يسفر ذلك عن وقوع إصابة بالغة أو الوفاة في حالة وقوع تصادم.
- ارتد حزام الأمان واجلس بشكل صحيح دائماً، مع وضع ظهر المقعد في وضع منتصب ووضع ظهرك على ظهر المقعد والجلوس منتصباً والمواجهة للأمام في منتصف المقعد مع وضع قدميك على الأرض أو بالقرب منها بشكل مريح.
- لا تحمل أية أشياء أو تمسك بها (مثل، حقيبة الظهر أو الصناديق، إلخ) أثناء الجلوس في مقعد الركاب الأمامي. قد يوفر الإمساك بشيء ما إشارة خرج إلى نظام تصنيف الركاب (OCS) مختلفة عن إدخال وزن الركاب الجالس بصورة صحيحة، مما قد يؤدي إلى حدوث إصابة بالغة أو الوفاة في حالة وقوع تصادم.
- قد يؤدي وضع شيء ما على الأرضية أسفل مقعد الركاب الأمامي إلى منع نظام تصنيف الركاب (OCS) من العمل بشكل صحيح، وهو ما قد يتسبب في حدوث إصابة بالغة أو الوفاة في حالة وقوع تصادم. لا تضع أية أشياء على الأرضية أسفل مقعد الركاب الأمامي.



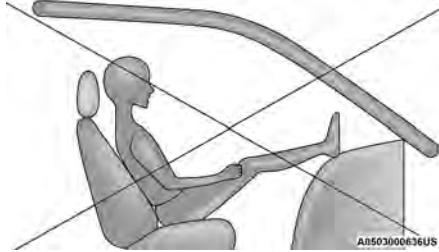
عدم الجلوس بشكل صحيح



عدم الجلوس بشكل صحيح



عدم الجلوس بشكل صحيح



عدم الجلوس بشكل صحيح

إلى انتفاخ منخفض الطاقة للوسادة الهوائية الأمامية المتقدمة للراكب. قد تؤدي زيادة وزن الراكب الجالس في مقعد الراكب الأمامي إلى انتفاخ كامل الطاقة للوسادة الهوائية الأمامية المتقدمة للراكب. تشمل الأمثلة على الجلوس غير الصحيح للراكب الأمامي ما يلي:

- نقل وزن الراكب الأمامي إلى جزء آخر من السيارة (مثل الباب أو مسند الذراعين أو لوحة أجهزة القياس).
- ميل الراكب الأمامي نحو الأمام، أو إلى الجانب أو استدارته ليوافق الجزء الخلفي للسيارة.
- عدم وجود ظهر مقعد الراكب الأمامي في وضع الاستقامة الكاملة.
- إمساك الراكب الأمامي بشيء ما أثناء جلوسه (مثل، حقيبة الظهر أو الصندوق، إلخ).
- الأشياء الموضوعة أسفل مقعد الراكب الأمامي.
- الأشياء الموضوعة بين مقعد الراكب الأمامي والكونسول المركزي.
- الملحقات التي قد تغير من وزن الراكب الجالس في مقعد الراكب الأمامي ومثبتة بمقعد الراكب الأمامي.
- أي شيء قد يتسبب في تقليل أو زيادة وزن الراكب الجالس في المقعد الأمامي.

يقوم نظام تصنيف الراكب (OCS) بتحديد التصنيف الأكثر احتمالاً للراكب الذي يشغل مقعد الراكب الأمامي. إذا كان الراكب يجلس في مقعد الراكب الأمامي بشكل غير صحيح، فقد يوفر الراكب إشارة خرج إلى نظام تصنيف الراكب (OCS) الذي يختلف عن إدخال وزن الراكب الجالس بشكل صحيح، على سبيل المثال:



يجلسون بشكل صحيح

الراكب خفيفي الوزن (بما في ذلك البالغون صغار الحجم)

عند جلوس راكب خفيف الوزن، بما في ذلك البالغين الصغار، في مقعد الراكب الأمامي، قد يقلل نظام تصنيف الراكب (OCS) معدل انتفاخ الوسادة الهوائية الأمامية المتقدمة للراكب. وهذا لا يعني أن نظام تصنيف الراكب (OCS) لا يعمل بشكل صحيح.

لا تقم بتقليل أو زيادة وزن الراكب الجالس في مقعد الراكب الأمامي

يجب ضبط وزن الراكب الجالس في المقعد الأمامي بشكل صحيح في مقعد الراكب الأمامي. حيث قد يؤدي عدم مراعاة ذلك إلى وقوع إصابة بالغة أو الوفاة. يحدد نظام تصنيف الراكب (OCS) التصنيف الأكثر مناسبة للراكب الذي قام باكتشافه. يقوم نظام تصنيف الراكب (OCS) باكتشاف الزيادة أو النقصان في وزن الراكب الأمامي، مما قد يتسبب في ضبط معدل انتفاخ الوسادة الهوائية الأمامية المتقدمة للراكب في حالة حدوث تصادم. وهذا لا يعني أن نظام تصنيف الراكب (OCS) لا يعمل بشكل صحيح. قد يؤدي تقليل وزن الراكب الجالس في مقعد الراكب الأمامي

لن يمنع نظام تصنيف الركاب (OCS) انتفاخ الوسادة الهوائية الأمامية المتقدمة للراكب. قد يقلل نظام تصنيف الركاب (OCS) معدل انتفاخ الوسادة الهوائية الأمامية المتقدمة للراكب إذا قدر نظام تصنيف الركاب (OCS) أن:

- مقعد الراكب الأمامي غير مشغول أو به أشياء خفيفة جدًا؛ أو
- يشغل مقعد الراكب الأمامي راكبًا صغيرًا، بما في ذلك الطفل؛ أو
- يشغل مقعد الراكب الأمامي نظام تثبيت الأطفال المتجه للخلف؛ أو

- أن الراكب الأمامي يجلس بوضع غير صحيح أو أن وزنه غير موجود بالمقعد لفترة من الوقت.

حالة ركاب مقعد الراكب الأمامي	خرج الوسادة الهوائية للراكب الأمامي
نظام تثبيت الأطفال المتجه للخلف	الانتفاخ منخفض الطاقة
الطفل، بما في ذلك الطفل في أنظمة تثبيت الأطفال المواجهة للأمام أو مقعد الرفع*	الانتفاخ المنخفض الطاقة أو الانتفاخ الكامل الطاقة
البالغ الجالس بوضع صحيح	الانتفاخ كامل الطاقة أو الانتفاخ منخفض الطاقة
المقعد غير المشغول	الانتفاخ منخفض الطاقة

* يمكن تصنيف طفل على أنه بالغ، مما يؤدي إلى انتفاخ الوسادة الهوائية الأمامية المتقدمة بطاقة كاملة. لا تسمح للأطفال بالركوب في مقعد الراكب الأمامي مطلقًا ولا تتركب نظام تثبيت الأطفال، بما في ذلك نظام تثبيت الأطفال للخلف، في مقعد الراكب الأمامي مطلقًا.

التحكم في تثبيت الركاب (ORC). تستخدم وحدة التحكم في تثبيت الركاب (ORC) التصنيف لتحديد كيف يجب تعديل معدل انتفاخ الوسادة الهوائية الأمامية المتقدمة. لتشغيل نظام تصنيف الركاب (OCS) حسب تصميمه، يجب أن يجلس الراكب الأمامي بشكل صحيح ويرتدي حزام الأمان بشكل صحيح. الركاب الذين يجلسون بشكل صحيح:

- يجلسون منتصبين
- مواجهين للأمام
- يجلسون في منتصف المقعد مع وضع أقدامهم على الأرض أو بالقرب منها بشكل مريح
- يجلسون مع وضع ظهورهم على ظهر المقعد وظهر المقعد في وضع منتصب

تحذير!
<ul style="list-style-type: none"> • حيث قد يتسبب انتفاخ الوسادة الهوائية الأمامية للراكب في وفاة طفل يبلغ 12 عامًا أو أصغر، بما في ذلك الطفل الموجود في نظام تثبيت الأطفال المتجه للخلف، أو إصابته بإصابة بالغة. • يجب تثبيت إبريم حزام الأمان دائمًا للأطفال الذين تبلغ أعمارهم 12 عامًا أو أقل في المقعد الخلفي في السيارة المزودة بمقعد خلفي.

يقوم نظام تصنيف الركاب (OCS) بتحديد التصنيف الأكثر احتمالًا للراكب الذي يشغل مقعد الراكب الأمامي. يُقدر نظام تصنيف الركاب (OCS) الوزن في مقعد الراكب الأمامي وأين يقع هذا الوزن. يتواصل نظام تصنيف الركاب (OCS) مع حالة التصنيف في وحدة

تحذير!
<ul style="list-style-type: none"> • لا تستخدم مطلقًا نظام تثبيت أطفال متجهًا إلى الخلف على مقعد محمي بواسطة وسادة هوائية نشطة أمامه، إذ قد تحدث وفاة أو إصابة بالغة للطفل. • لا تتركب نظام تثبيت الأطفال المتجه للخلف في المقعد الأمامي في السيارة مطلقًا. استخدم نظام تثبيت الأطفال المتجه للخلف في المقعد الخلفي فقط. إذا كانت السيارة لا تشتمل على مقعد خلفي، فلا تحمل معك نظام تثبيت أطفال متجهًا للخلف في هذه السيارة.

(تابع)

الوسائد الهوائية الأمامية بالكامل في وقت أقل مما تستغرقه لتغض عينيك. بعد ذلك يزول انتفاخ الوسائد الهوائية الأمامية بسرعة بحيث يحمي السائق والراكب الأمامي.

نظام تصنيف الركاب (OCS) - مقعد الركاب الأمامي

يعتبر نظام تصنيف الركاب OCS جزءاً من نظام أمان خاضع للوائح تنظيمية فيدرالية لهذه السيارة. فهو مصمم لتوفير مخرجات الوسادة الهوائية الأمامية المتقدمة مناسبة على لو زن الركاب الجالس، كما هو محدد بواسطة نظام تصنيف الركاب (OCS).

ويتألف نظام تصنيف الركاب (OCS) مما يلي:

- وحدة التحكم في تثبيت الركاب (ORC)
- توجد وحدة تصنيف الركاب (OCM) والمستشعر في مقعد الركاب الأمامي
- ضوء تحذيري بشأن الوسادة الهوائية
- وحدة تصنيف الركاب (OCM) والمستشعر

توجد وحدة تصنيف الركاب (OCM) أسفل مقعد الركاب الأمامي. يوجد المستشعر خلف قوم وسادة مقعد الركاب. سيقيم المستشعر باستشعار أي وزن موجود على المقعد. تستخدم وحدة تحكم تصنيف الركاب (OCM) الإخراج الصادر عن المستشعر لتحديد التصنيف الأكثر احتمالاً للراكب الذي يشغل مقعد الركاب الأمامي. تقوم وحدة تصنيف الركاب (OCM) بتوصيل هذه المعلومات إلى وحدة التحكم في تثبيت الركاب (ORC). قد تقوم وحدة التحكم في تثبيت الركاب (ORC) بتقليل معدل انتفاخ الوسادة الهوائية الأمامية المتقدمة للراكب في بناءً على تصنيف الركاب. لتشغيل نظام تصنيف الركاب (OCS) حسب تصميمه، يجب أن يجلس الركاب الأمامي بشكل صحيح ويرتدي حزام الأمان بشكل صحيح.

تشغيل الوسائد الهوائية الأمامية

صُممت الوسائد الهوائية الأمامية لتوفير حماية إضافية عن طريق إكمال عمل أحزمة الأمان. وليس متوقعاً للوسائد الهوائية الأمامية أن تقلل من مخاطر الإصابة التي تنتج عن حالات التصادم الخلفية والجانبية أو حوادث انقلاب السيارة. لن تنتفخ الوسائد الهوائية الأمامية في كل حالات الاصطدامات الأمامية، التي تتضمن بعض الحالات التي قد ينجم عنها تلف كبير بالسيارة - على سبيل المثال، بعض الاصطدامات في الأعمدة واصطدامات السيارة بالشاحنات واصطدامات الإزاحة بزواوية.

على الجانب الآخر، وتبعاً لنوع الاصطدام ومكانه، قد تنتفخ الوسائد الهوائية الأمامية في حالة الصدمات التي ينجم عنها تلف بسيط في الطرف الأمامي للسيارة غير أنها تسبب خفصاً حاداً للسرعة في البداية.

ونظراً لأن مستشعرات الوسائد الهوائية تقيس خفض سرعة السيارة مع مرور الوقت، فإن سرعة السيارة والتلف الذي يصيبها لا يعتبران في حد ذاتهما مؤشرات جيدة لضرورة انتفاخ الوسادة الهوائية أم لا.

لا غنى عن أحزمة الأمان لحمايتك في كل حالات الاصطدام، وهي لازمة أيضاً لمساعدتك على المحافظة على وضعك بعيداً عن الوسادة الهوائية في حال انتفاخها.

عندما تكتشف وحدة التحكم في تثبيت الركاب (ORC) حدوث تصادم يستلزم استخدام الوسائد الهوائية الأمامية، فإنها تصدر إشارات إلى وحدات نفخ الوسائد الهوائية. يتم توليد كمية كبيرة من الغاز غير السام لنفخ الوسائد الهوائية الأمامية.

ينفصل كل من غطاء كسوة محور عجلة القيادة والجزء العلوي بجانب الركاب من لوحة أجهزة القياس ويتم طيها بعيداً عن حيز الانتفاخ الكامل للوسائد الهوائية. تنتفخ

قد تكون السيارة مزودة بمستشعرات وضع مسار مقعد السائق و/أو الركاب الأمامي والتي قد تقوم بضبط معدل انتفاخ الوسادة الهوائية الأمامية المتقدمة وفقاً لموضع المقعد.

هذه السيارة مزودة بنظام تصنيف الركاب (OCS) للراكب الأمامي الأيمن تم تصميمه لتوفير خرج للوسادة الهوائية الأمامية المتقدمة الخاصة بالراكب تناسب إدخال وزن الركاب الجالس بصورة صحيحة، كما هو محدد بواسطة نظام تصنيف الركاب (OCS).

تحذير!

- يجب عدم وضع أي حاجيات فوق الوسادة الهوائية أو بالقرب منها على لوحة أجهزة القياس أو عجلة القيادة، نظراً لأن هذه الحاجيات قد تؤدي إلى حدوث ضرر إذا تعرضت السيارة لحدث تصادم عنيف بما يكفي لنفخ الوسادة الهوائية.
- لا تضع أي شيء على أغطية الوسادة الهوائية أو حولها ولا تحاول فتحها يدوياً. فقد يتسبب ذلك في تلف الوسائد الهوائية وقد يعرضك للإصابة لأن الوسائد الهوائية قد لا تعمل بعد ذلك. صممت الأغطية الواقية للوسائد الهوائية لكي تفتح عند انتفاخ الوسائد الهوائية فقط.
- الاعتماد على الوسائد الهوائية بمفردها قد يؤدي إلى إصابات خطيرة عند التصادم. فالوسائد الهوائية بالإضافة إلى حزام الأمان تعمل على إبقائك في مكانك بصورة صحيحة. وفي بعض حوادث التصادمات لا تنتفخ الوسائد الهوائية على الإطلاق. ارتدي دوماً حزام الأمان حتى ولو كانت السيارة مزودة بوسائد هوائية.

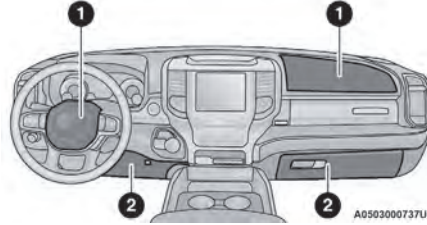
الضوء التحذيري المتكرر بشأن الوسادة الهوائية



في حالة اكتشاف عطل في الضوء التحذيري بشأن الوسادة الهوائية، الذي يمكن أن يؤثر على نظام التثبيت الإضافي (SRS)، يضيء الضوء التحذيري بشأن الوسادة الهوائية بشكل متكرر على لوحة أجهزة القياس. سيظل الضوء التحذيري المتكرر بشأن الوسادة الهوائية قيد التشغيل حتى تتم إزالة العطل. بالإضافة إلى ذلك، يصدر تنبيهًا صوتيًا لتنبيهك بوجود ضوء تحذير متكرر بشأن الوسادة الهوائية وباكتشاف وجود عطل. إذا كان الضوء التحذيري المتكرر بشأن الوسادة الهوائية يضيء بشكل متقطع أو يظل مضاءً أثناء القيادة، فاطلب من الوكيل المعتمد صيانة السيارة على الفور. [صفحة ١٢٠](#).

الوسائد الهوائية الأمامية

تحتوي هذه السيارة على وسائد هوائية أمامية وأحزمة أمان الحوض/الكف لكل من السائق والراكب الأمامي. الوسائد الهوائية الأمامية ملحقة بأنظمة تثبيت حزام الأمان. الوسادة الهوائية الأمامية للسائق مثبتة في منتصف عجلة القيادة. أما الوسادة الهوائية الأمامية للراكب فهي مثبتة في لوحة أجهزة القياس فوق صندوق القفازات. وسنجد عبارة "SRS AIRBAG" أو "AIRBAG" مكتوبتين على أغطية الوسادة الهوائية.



أماكن الوسائد الهوائية الأمامية/وسادة الركبة

- 1 — الوسائد الهوائية الأمامية للسائق والراكب
- 2 — وسائد حماية الركبة من الصدمات للسائق والراكب

تحذير!

- إن جلوسك قريبًا جدًا من عجلة القيادة أو لوحة أجهزة القياس أثناء انتفاخ الوسادة الهوائية الأمامية قد يسبب لك إصابة بالغة، قد تصل إلى الوفاة. فالوسائد الهوائية تحتاج إلى حيز كافٍ لتنتفخ. اجلس مسترخيًا إلى الوراء ومد ذراعيك بشكل مريح للتحكم بعجلة القيادة أو الوصول إلى لوحة أجهزة القياس.
- لا تستخدم مطلقًا نظام تثبيت أطفال متجهًا إلى الخلف على مقعد محمي بواسطة وسادة هوائية نشطة أمامه، إذ قد تحدث وفاة أو إصابة بالغة للطفل.

(تابع)

تحذير!

- لا تركيب نظام تثبيت الأطفال المتجه للخلف في المقعد الأمامي في السيارة مطلقًا. استخدم نظام تثبيت الأطفال المتجه للخلف في المقعد الخلفي فقط. إذا كانت السيارة لا تشتمل على مقعد خلفي، فلا تحمل معك نظام تثبيت أطفال متجهًا للخلف في هذه السيارة.
- حيث قد يتسبب انتفاخ الوسادة الهوائية الأمامية للراكب في وفاة طفل يبلغ 12 عامًا أو أصغر، بما في ذلك الطفل الموجود في نظام تثبيت الأطفال المتجه للخلف، أو إصابته بإصابة بالغة.

مميزات الوسائد الهوائية الأمامية للسائق والراكب

يحتوي نظام الوسادة الهوائية الأمامية المتقدمة على وسائد هوائية متعددة المراحل للسائق والراكب الأمامي. يوفر هذا النظام مخرجات مناسبة لشدة التصادم ونوعه كما تحددها وحدة التحكم في تثبيت الركاب (ORC)، والتي قد تستقبل معلومات من مستشعرات التصادم (إذا كانت السيارة مزودة بذلك) أو مكونات النظام الأخرى.

يتم إطلاق وحدة نفخ المرحلة الأولى فورًا خلال الاصطدام الذي يتطلب انتفاخ الوسادة الهوائية. ويستخدم إخراج الطاقة المنخفض هذا في حالات التصادم الأقل شدة. بينما يستخدم إخراج الطاقة الأعلى في حالات التصادم الأكثر شدة.

قد تكون السيارة مزودة بمفتاح إيزيم حزام أمان السائق و/أو الراكب الأمامي الذي يكتشف ما إذا كان حزام أمان السائق أو الراكب الأمامي مربوطًا أم لا. يمكن أن يضبط مفتاح ربط حزام الأمان معدل نفخ الوسادة الهوائية الأمامية المتقدمة.

- استمرار إضاءة ضوء تحذير الوسادة الهوائية بعد مرور المهلة التي تتراوح ما بين أربع إلى ثمان ثوان.
- يضيء ضوء تحذير الوسادة الهوائية بصورة متقطعة أو يظل مضاءً أثناء قيادة السيارة.

ملاحظة:

إذا كان عداد المسافة أو التاكوميتر أو أي أجهزة قياس خاصة بالمحرك لا تعمل، فقد يتم تعطيل وحدة التحكم في تثبيت الركاب. في هذه الحالة، قد لا تكون الوسائد الهوائية جاهزة للانفخاح لحمايتك. اطلب من الوكيل المعتمد صيانة نظام الوسائد الهوائية فوراً.

تحذير!

إن تجاهل الضوء التحذيري بشأن الوسادة الهوائية المعروض في لوحة أجهزة القياس قد يعني أنك لن تحصل على الحماية المطلوبة من نظام الوسائد الهوائية في حالة وقوع تصادم. فإذا لم يظهر الضوء كفحص بمصباح عند أول تشغيل للإشعال، أو إذا استمر في الظهور بعد تشغيل المحرك أو إذا ظهر خلال قيادة السيارة، فيجب فحص نظام الوسائد الهوائية فوراً عند وكيل معتمد.

ON/RUN (التشغيل/الانطلاق). أما إذا كان مفتاح التشغيل في وضع OFF (إيقاف التشغيل) أو وضع ACC (الملحقات)، فلن يعمل نظام الوسائد الهوائية ولن تنتفخ الوسائد الهوائية.

تحتوي وحدة التحكم في تثبيت الركاب (ORC) على نظام تزويد طاقة احتياطي قد يعمل على نفخ الوسادة الهوائية حتى إذا فقدت البطارية الطاقة أو تم فصلها قبل الانفتاح.

تقوم وحدة التحكم في تثبيت الركاب (ORC) بإضاءة الضوء التحذيري بشأن الوسادة الهوائية في لوحة أجهزة القياس لمدة تتراوح بين أربع وثمانين ثوان لإجراء فحص ذاتي عند إدارة مفتاح التشغيل إلى وضع ON/RUN

(التشغيل/الانطلاق) لأول مرة. بعد الفحص الذاتي، ينطفئ "ضوء تحذير الوسادة الهوائية". وإذا اكتشفت وحدة التحكم في تثبيت الركاب (ORC) عطلاً في أي جزء من النظام، فإنها تعمل على تشغيل ضوء تحذير الوسادة الهوائية لفترة قصيرة أو بشكل مستمر. سيصدر صوت تنبيه واحد لتنبيهك إذا أضاء المصباح مرة أخرى بعد التشغيل الأولي.

تحتوي وحدة التحكم في تثبيت الركاب (ORC) أيضاً على نظام تشخيصي يضيء ضوء تحذيري بشأن الوسادة الهوائية في لوحة أجهزة القياس في حالة اكتشاف خلل قد يؤثر على نظام الوسائد الهوائية. ويقوم النظام التشخيصي أيضاً بتسجيل طبيعة الخلل. لقد تم تصميم نظام الوسائد الهوائية بطريقة تغنيه عن الحاجة إلى الصيانة، إلا إنه عند حدوث أي من الحالات التالية، اطلب من الوكيل المعتمد صيانة نظام الوسائد الهوائية فوراً.

- عدم إضاءة الضوء التحذيري بشأن الوسادة الهوائية لمدة تتراوح بين أربع إلى ثمانين ثوان عند إدارة مفتاح التشغيل إلى وضع ON/RUN (التشغيل/الانطلاق) لأول مرة.

يجب أن يكون نظام الوسائد الهوائية جاهزاً لحمايتك في حالة وقوع تصادم. تراقب وحدة التحكم في تثبيت الركاب (ORC) الدوائر الداخلية ومجموعة الأسلاك المترابطة والمتصلة بمكونات نظام الوسائد الهوائية الكهربائية. قد تكون السيارة مزودة بمكونات نظام الوسائد الهوائية التالية:

مكونات نظام الوسادة الهوائية

- وحدة التحكم في تثبيت الركاب (ORC)
- ضوء تحذيري بشأن الوسادة الهوائية
- عمود وعجلة قيادة
- لوحة أجهزة القياس
- الوسائد الهوائية للركبة
- الوسائد الهوائية للسائق والراكب الأمامي
- مفتاح إبزيم حزام الأمان
- الوسائد الهوائية الجانبية الإضافية
- مستشعرات الصدمة الأمامية والجانبية
- آليات شد حزام الأمان
- مستشعرات وضع مسار المقعد
- نظام تصنيف الركاب

ضوء تحذيري بشأن الوسادة الهوائية

تراقب وحدة التحكم في تثبيت الركاب (ORC) استعداد الأجزاء الإلكترونية لنظام الوسائد الهوائية عندما يكون مفتاح التشغيل في وضع START (بدء التشغيل) أو وضع



كيفية إيقاف تشغيل وضع القفل الأوتوماتيكي

قم بفك مجموعة حزام الحوض والكثف واتركه يترجع بالكامل لإبطال عمل وضع القفل الأوتوماتيكي وقم بتنشيط وضع القفل الحساس للسيارة (الطارئ).

تحذير!

- يجب أن يتم استبدال مجموعة حزام الأمان في حالة ما إذا كانت ميزة آلية سحب القفل الأوتوماتيكي القابلة للتحويل (ALR) أو أي وظيفة أخرى لحزام الأمان لا تعمل بطريقة صحيحة عند فحصها تبعاً للإجراءات المتبعة في دليل الخدمة.
- يؤدي عدم استبدال مجموعة حزام الأمان إلى زيادة مخاطر الإصابة عند وقوع التصادمات.
- لا تستخدم وضع القفل الأوتوماتيكي لتثبيت الركاب ممن يرتدون حزام الأمان أو الأطفال الذين يستخدمون مقاعد الرفع. يستخدم وضع القفل فقط لتركيب أنظمة تثبيت الأطفال المتجهة للأمام أو للخلف والتي تحتوي على مجموعة أسلاك لتثبيت الطفل.

أنظمة التثبيت الإضافية (SRS)

قد تمثل بعض ميزات الأمان الموضحة في هذا القسم معدات قياسية في بعض الطرز، أو قد تكون معدات اختيارية في البعض الآخر. إذا كنت غير متأكد، فاسأل الوكيل المعتمد.

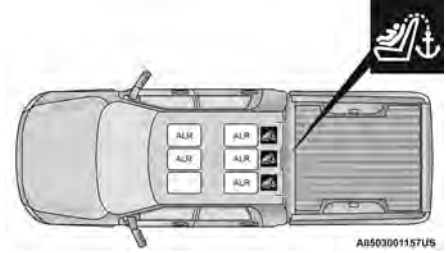
الأطفال في موضع جلوس به حزام أمان مزود بهذه الميزة. يجب تثبيت الأطفال الذين تبلغ أعمارهم 12 عامًا وأقل بطريقة صحيحة دائمًا في المقعد الخلفي للسيارة باستخدام مقعد خلفي.

تحذير!

- لا تستخدم مطلقًا نظام تثبيت أطفال متجهًا إلى الخلف على مقعد محمي بواسطة وسادة هوائية نشطة أمامه، إذ قد تحدث وفاة أو إصابة بالغة للطفل.
- لا تركيب نظام تثبيت الأطفال المتجه للخلف في المقعد الأمامي في السيارة مطلقًا. استخدم نظام تثبيت الأطفال المتجه للخلف في المقعد الخلفي فقط. إذا كانت السيارة لا تشتمل على مقعد خلفي، فلا تحمل معك نظام تثبيت أطفال متجهًا للخلف في هذه السيارة.
- حيث قد يتسبب انفثاخ الوسادة الهوائية الأمامية للراكب في وفاة طفل يبلغ 12 عامًا أو أصغر، بما في ذلك الطفل الموجود في نظام تثبيت الأطفال المتجه للخلف، أو إصابته بإصابة بالغة.

كيفية تشغيل وضع القفل الأوتوماتيكي

1. اربط الحزام الموحد للحوض والكثف.
2. أمسك الجزء الخاص بالكثف واسحبه لأسفل إلى أن تشد حزام الأمان بأكمله.
3. اسمح لحزام الأمان بالانسحاب. بينما ينسحب حزام الأمان، ستسمع صوت طقطقة. وهو ما يشير إلى أن حزام الأمان قد أضحي في وضع القفل الأوتوماتيكي.



مواقع آلية سحب القفل الأوتوماتيكي (ALR) — (جميع الطرز)

إذا كان موضع جلوس الراكب مزودًا بآلية سحب القفل الأوتوماتيكي (ALR) ويتم استخدامه بشكل عادي، اسحب سير حزام الأمان فقط لمسافة تكفي لفه بشكل مريح حول الجزء الأوسط من جسم الراكب بحيث لا يتم تنشيط آلية سحب القفل الأوتوماتيكي (ALR). في حالة تنشيط آلية سحب القفل الأوتوماتيكي (ALR) ستسمع صوت تعشيق عند انسحاب حزام الأمان. اسمح للحزام بالانسحاب تمامًا في هذه الحالة ثم قم بسحب جزء سير الحزام الضروري بعناية، بحيث يتم لفه بشكل مريح حول الجزء الأوسط من جسم الراكب. أزح لوح المزلاج داخل حلقة التثبيت حتى تسمع طقطقة.

في وضع القفل الأوتوماتيكي، يتم قفل حزام الكثف أوتوماتيكيًا بشكل مسبق. وستستمر إمكانية انسحاب حزام الأمان لإزالة أي ارتخاء في حزام الكثف. استخدم وضع القفل الأوتوماتيكي في أي وقت يتم فيه تركيب نظام تثبيت

ملاحظة:


إن آليات الشد ليست بديلة لربط حزام الأمان بصورة صحيحة من قبل الراكب. فلا بد من ربط حزام الأمان بإحكام وفي الوضع الصحيح.

يتم تشغيل آليات الشد بواسطة وحدة التحكم في تثبيت الركاب ORC. وكما هو الحال مع الوسائد الهوائية فإن الشدادات مصممة للاستعمال مرة واحدة فقط. يجب استبدال الوسادة الهوائية أو آلية الشد التي انتفخت على الفور.

ميزة إدارة الطاقة

تم تزويد نظام حزام الأمان الأمامي الطرفي بميزة إدارة الطاقة التي قد تساعد في تقليل خطر التعرض لإصابة في حالة التصادم. ويشتمل نظام أحزمة الأمان على مجموعة آلية سحب تم تصميمها لتحرير الحزام بشكل يمكن التحكم فيه.

آليات سحب القفل الأوتوماتيكي (ALR) القابلة للتحويل

قد تكون أحزمة الأمان في مواضع جلوس الركاب مزودة بآلية سحب القفل الأوتوماتيكي (ALR) القابلة للتحويل والتي تُستخدم لتأمين نظام تثبيت الأطفال  صفحة ٣٣٠. يوضح الشكل أدناه ميزة القفل لكل موضع من مواضع الجلوس.

أحزمة الأمان والنساء الحوامل**أحزمة الأمان والنساء الحوامل**

يجب على جميع الركاب ارتداء أحزمة الأمان، بما في ذلك النساء الحوامل: يتم تقليل خطر التعرض للإصابات في حالة وقوع حادث للام والجنين إذا قامت السيدة الحامل بارتداء حزام الأمان.

ضعي حزام الحوض بإحكام واخفضيه أسفل البطن وعبر العظام القوية للفخذين. ضع حزام الكتف عبر الصدر وبعيداً عن الرقبة. لا تضعي مطلقاً حزام الكتف خلف الظهر أو تحت الذراع.

آلية شد حزام الأمان

تم تزويد نظام حزام أمان المقعد الأمامي الطرفي بأجهزة شد مصممة لإزالة أي ارتخاء من نظام حزام الأمان في حالة وقوع تصادم. قد تقوم هذه الأجهزة بتحسين أداء حزام الأمان من خلال إزالة الارتخاء من حزام الأمان في وقت مبكر في حالة وقوع تصادم. تتكيف آليات الشد مع حجم أي راكب، بما في ذلك الأطفال الذين يوضعون في نظام تثبيت الأطفال.

وكقاعدة أساسية، إذا كنت أقصر من المتوسط فستفضل مثبت حزام الكتف في موضع أكثر انخفاضاً، وإذا كنت أطول من المتوسط فستفضل مثبت حزام الكتف في موضع أعلى. وبعد تحرير زر المثبت حاول تحريكه لأعلى أو لأسفل للتأكد من قفله في موضعه.

ملاحظة:

يتم تزويد مثبت حزام الكتف القابل للضبط بميزة التحريك لأعلى. تسمح هذه الميزة بضبط مثبت حزام الكتف في الوضع العلوي من دون الضغط على زر التحرير أو كبسه. للتحقق من قفل مثبت حزام الكتف، اسحب مثبت حزام الكتف إلى الأسفل حتى يتم قفله في موضعه.

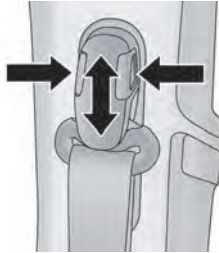
تحذير!

- يمكن أن يزيد ارتداء حزام الأمان بشكل غير صحيح من شدة الإصابات عند وقوع تصادم. وقد تتعرض لإصابات داخلية أو قد تنزلق من تحت حزام الأمان. اتبع هذه التعليمات لوضع حزام الأمان بصورة آمنة للمحافظة على سلامتك وسلامة ركاب السيارة أيضاً.
- ضع حزام الكتف بين الكتف والصدر مع الحد الأدنى، وفي حالة وجود أي ارتخاء بحيث يكون مريحاً وغير مستقر حول رقبتك. وستسحب آلية سحب الحزام أي ارتخاء في حزام الكتف.
- قد يتسبب سوء ضبط حزام الأمان في تقليل فعالية سلامة حزام الأمان في حالة وقوع تصادم.
- احرص دوماً على تنفيذ إجراءات ضبط ارتفاع حزام الأمان أثناء توقف السيارة.

2. من نقطة تبعد من 15 سم إلى 30 سم (من 6 إلى 12 بوصة) تقريباً فوق لوح المزلاج، أمسك سير حزام الأمان ولفه بزاوية 180 درجة لإحداث طية تبدأ فوق لوح المزلاج مباشرة.
3. اسحب لوح المزلاج إلى الأعلى إلى نقطة تتجاوز الطية الموجودة على الحزام. ويجب توخي الحذر عند البدء بهذه العملية لضمان دخول الطية في الفتحة في أعلى لوح المزلاج.
4. استمر بسحب لوح المزلاج إلى الأعلى حتى تتجاوز الطية الموجودة على حزام الأمان ويصبح حزام الأمان غير ملتويًا.

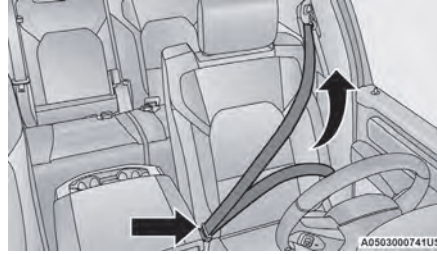
مثبت حزام الكتف العلوي القابل للضبط

في مقعد السائق ومقعد الراكب الأمامي الطرقي، يمكن ضبط الجزء العلوي من حزام الكتف سواء لأعلى أو لأسفل لوضع حزام الأمان بعيداً عن رقبتك. اضغط على زر المثبت أو اضغط عليه مطولاً لتحرير المثبت، ثم قم بتحريكه لأعلى أو لأسفل إلى الوضع الذي يناسبك.



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المثبت القابل للضبط



A0503000741US

وضع حزام الحوض

5. ضع حزام الكتف بين الكتف والصدر مع الحد الأدنى، وفي حالة وجود أي ارتخاء بحيث يكون مريحاً وغير مستقر حول رقبتك. وستسحب آلية سحب الحزام أي ارتخاء في حزام الكتف.
6. لفك حزام المقعد، اضغط على الزر الأحمر على الإبزيم. وسينسحب حزام الأمان أوتوماتيكياً إلى وضعه الأصلي. اسحب لوح المزلاج إلى أسفل سير الحزام لكي تضمن الانسحاب الكامل لحزام الأمان، إذا كان ذلك ضرورياً.

إجراء تعديل حزام أمان الحوض/الكتف الملتف

اتبع الخطوات التالية لتعديل حزام الحوض والكتف لحزام الأمان في حالة التفافه.

1. ضع لوح المزلاج في أقرب مكان ممكن من نقطة التثبيت.

3. وعندما يكون طول حزام الأمان مناسباً، أدخل لوح المزلاج في الإبزيم حتى تسمع الصوت الذي يدل على ربطه.



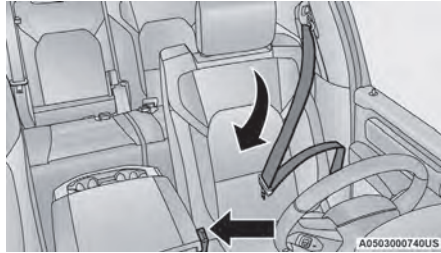
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إدخال لوح المزلاج في الإبزيم

4. ضع حزام الحوض حتى يتم إحكام تثبيته بحيث يستقر حول الفخذين، أسفل بطنك. للتخلص من ارتخاء حزام الحوض اسحب جزء الحزام الملتف حول الكتف قليلاً. ولتخفيف إحكام الحزام الملتف حول الحوض قم بإمالة لوح المزلاج واسحب حزام الحوض. حزام الأمان المحكم يقلل من خطر الانزلاق تحت حزام الأمان عند التصادم.

تعليمات استخدام حزام الحوض/الكتف

1. ادخل السيارة وأغلق الباب. ثم اجلس مسترخياً واضبط المقعد.
2. يوجد لوح مزلاج لحزام الأمان أعلى ظهر المقعد الأمامي، بجانب ذراعك في المقعد الخلفي (السيارات المزودة بالمقعد الخلفي). أمسك لوح المزلاج واسحب حزام الأمان. ثم اسحب لوح المزلاج لأعلى سير الحزام حسب الحاجة حتى يلتف حزام الأمان حول حوضك.



سحب لوح المزلاج

تحذير!

- إن حزام الأمان المربوط في إبزيم غير صحيح لا يحميك بالطريقة السليمة. ومن الممكن أن يرتفع جزء الحزام الذي يلتف حول حوضك إلى أعلى جسمك مما يسبب إصابات داخلية. تأكد دائماً من إدخال حزام الأمان في الإبزيم المخصص لك والقريب منك.
- إن حزام الأمان المرتخي للغاية لن يحميك بالطريقة السليمة. فعند التوقف المفاجئ قد تتحرك كثيراً إلى الأمام مما يزيد من احتمال الإصابة. تأكد من ربط الحزام بإحكام.
- حزام الأمان المربوط تحت ذراعك يشكل خطورة كبيرة. فقد يرتطم جسمك بداخل السيارة عند الاصطدام مما يزيد من إصابة الرأس والرقبة. كما يسبب حزام الأمان المربوط تحت الذراع إصابات داخلية. إن عظام الضلوع أضعف من عظام الكتف. اربط حزام الأمان حول كتفك كي تصد العظام القوية قوة التصادم.
- الحزام المربوط خلفك لن يحميك من الإصابات أثناء وقوع حادث. فقد يرتطم رأسك عند وقوع الحادث إذا لم تربط حزام الكتف. فالغرض من أحزمة الكتف والحوض هو استخدامها سوياً.
- قد ينقطع حزام الأمان البالي أو الممزق عند التصادم وتصبح من دون حماية. افحص نظام أحزمة الأمان بصورة دورية للتأكد من عدم وجود أجزاء مقطوعة أو ممزقة أو بالية. ويجب استبدال الأجزاء التالفة فوراً. لا تحاول فك نظام حزام الأمان أو إدخال التعديلات عليه. إذا تعرّضت سيارتك لحادث تصادم أو إذا كانت لديك أي أسئلة تتعلق بحزام الأمان أو ظروف الية السحب، فتوجه بسيارتك إلى وكيل FCA معتمد لفحصها.

تحذير!

- يمكن أن يزيد ارتداء حزام الأمان بشكل غير صحيح من شدة الإصابات عند وقوع تصادم. وقد تتعرض لإصابات داخلية أو قد تنزلق من تحت حزام الأمان. اتبع هذه التعليمات لوضع حزام الأمان بصورة آمنة للمحافظة على سلامتك وسلامة ركاب السيارة أيضاً.
- يجب عدم ربط شخصين بحزام واحد بتاتاً. فقد يرتطم هذان الشخصان ببعضهما البعض في حالة وقوع حادث، الأمر الذي يسبب الأذى لكل منهما. امتنع عن استخدام حزام الحوض/الكتف أو حزام الحوض لأكثر من شخص بغض النظر عن أحجامهم.

تحذير!

- إن ربط حزام الحوض في جزء مرتفع من جسمك يمكن أن يزيد من الإصابات الداخلية عند الاصطدام. وذلك لعدم تأثير قوى حزام الأمان على العظام القوية للورك والحوض بل على البطن. قم دائماً بارتداء جزء حزام الحوض في أدنى مستوى ممكن مع إحكام ربط حزام الأمان.
- حزام الأمان الملفوف لن يحميك بصورة صحيحة. ففي حالة وقوع حادث اصطدام من الممكن أن يدخل في جسمك مسبباً لك الأذى. تأكد من أن وضع حزام الأمان بشكل مسطح في مواجهة جسمك، دون وجود الالتفافات. إذا لم تستطع تعديل أحد أحزمة الأمان إلى الوضع المستقيم في سيارتك، فتوجه على الفور إلى الوكيل المعتمد لإصلاحه.

(تابع)

تسلسل التحذير لميزة BeltAlert

يتم تنشيط تسلسل تحذير BeltAlert عندما تتحرك السيارة بسرعة أعلى من نطاق سرعة السيارة المحددة وعندما لا يقوم السائق أو الراكب في المقعد الأمامي الخارجي بربط الحزام (إذا كانت السيارة مزودة بميزة BeltAlert لمقعد الراكب الأمامي الخارجي) (لا تكون ميزة BeltAlert الخاصة بمقعد الراكب الأمامي الخارجي نشطة عند عدم وجود راكب في المقعد الأمامي الخارجي). يبدأ تسلسل التحذير BeltAlert من خلال وميض ضوء التنكير بربط حزام الأمان وإصدار إشارة صوتية متقطعة. بمجرد اكتمال تسلسل التحذير BeltAlert، سيظل ضوء التنكير بربط حزام الأمان مضاءً حتى يتم ربط أحزمة الأمان. قد يتكرر تسلسل التحذير لميزة BeltAlert بناءً على سرعة السيارة حتى يتم ربط أحزمة أمان السائق والراكب في المقعد الأمامي الخارجي. يجب أن يطلب السائق من جميع الركاب ربط أحزمة الأمان.

تغيير الحالة

إذا قام السائق أو الراكب في المقعد الأمامي (إذا كانت السيارة مزودة بميزة BeltAlert لمقعد الراكب الأمامي الخارجي) بفك أحزمة الأمان الخاصة بهم أثناء تحرك السيارة، فسيبدأ تسلسل التحذير BeltAlert حتى يتم ربط أحزمة الأمان مرة أخرى.

لا تكون ميزة BeltAlert الخاصة بمقعد الراكب الأمامي الخارجي نشطة عند عدم وجود راكب في المقعد الأمامي الخارجي. قد يتم تشغيل ميزة BeltAlert عند وجود حيوان أو أشياء أخرى فوق مقعد الراكب الأمامي الخارجي أو عند طي المقعد بشكل مسطح (إذا كانت

السيارة مزودة بذلك). يُوصى بتثبيت الحيوانات في المقعد الخلفي (إذا كانت السيارة مزودة بذلك) في حاملات الحيوانات الأليفة التي يتم ربطها بأحزمة الأمان، وتخزين الحمولة بشكل سليم.

يمكن تنشيط ميزة BeltAlert أو إلغاء تنشيطها من قبل الوكيل المعتمد. لا يُوصى شركة FCA بالغاء تنشيط ميزة BeltAlert.

ملاحظة:

إذا تم إلغاء تنشيط ميزة BeltAlert وقام السائق أو الراكب في المقعد الأمامي الخارجي (إذا كانت السيارة مزودة بميزة BeltAlert لمقعد الراكب الأمامي الخارجي) بفك أحزمة الأمان، فسيضيء ضوء التنكير بربط حزام الأمان ويبقى مضاءً حتى يتم يقوم السائق والراكب في المقعد الأمامي الخارجي بربط الأحزمة.

أحزمة الحوض/الكتف

إن جميع أماكن الجلوس في سيارتك مزودة بأحزمة أمان الحوض/الكتف.

لا يتم قفل آلية سحب سير حزام الأمان إلا في حالات التوقف المفاجئ للغاية أو التصادمات. وتسمح هذه الميزة بالحركة التامة لجزء الكتف من حزام الأمان مع حركتك في الظروف العادية. ولكن عند وقوع تصادم يتم قفل حزام الأمان، وهو ما يؤدي إلى التقليل من خطورة ارتطامك بالجزء الداخلي من السيارة أو الانفذاف خارجها.

تحذير!

- الاعتماد على الوسائد الهوائية بمفردها قد يؤدي إلى إصابات خطيرة عند التصادم. فالوسائد الهوائية بالإضافة إلى حزام الأمان تعمل على إبقائك في مكانك بصورة صحيحة. وفي بعض الحوادث لا تنتفخ الوسادة الهوائية. ارتدي دوماً حزام الأمان حتى ولو كانت السيارة مزودة بوسائد هوائية.
- في حالة وقوع حادث اصطدام قد تتعرض أنت وركاب السيارة لإصابات بدنية خطيرة إذا لم يتم استعمال نظام ربط الحزام بصورة صحيحة. وربما ترتطم أنت بالجزء الداخلي من السيارة أو بالركاب الآخرين أو قد تُقذف خارج السيارة. تأكد دائماً من ربط الحزام حولك وحول الركاب بصورة صحيحة.
- يعتبر الجلوس في منطقة الحمولة في الداخل أو الخارج عند سير السيارة خطيراً جداً. ففي حالات الاصطدام من المحتمل جداً أن يتعرض الجالسون في هذه الأماكن إلى إصابات خطيرة أو مميتة.
- لا تسمح لأي شخص بالجلوس في أماكن لا تحتوي على أحزمة أمان أو مقاعد.
- تأكد من جلوس جميع الركاب في المقاعد واستعمالهم لأحزمة الأمان بصورة صحيحة. ينبغي على الركاب، بمن فيهم السائق، دوماً وضع حزام أمان المقعد سواء توافرت أو لم تتوافر وسادة هوائية في وضع الجلوس للتقليل من خطر وقوع إصابة بالغة أو الوفاة في حالة حدوث تصادم.

(تابع)

نظام التذكير بربط حزام أمان المقعد المحسن (BeltAlert)

ميزة BeltAlert للسائق والراكب - إذا كانت السيارة مزودة بذلك

تعد BeltAlert ميزة مخصصة لتذكير السائق والراكب في المقعد الأمامي الخارجي (إذا كانت السيارة مزودة بميزة BeltAlert لمقعد الراكب الأمامي الخارجي) لربط أحزمة الأمان الخاصة بهم. وتنشط ميزة BeltAlert عندما يكون مفتاح التشغيل في وضع START (بدء التشغيل) أو وضع ON/RUN (التشغيل/الانطلاق).



الإشارة المبدئية

إذا لم يتم السائق بربط الحزام عند إدارة مفتاح التشغيل إلى وضع START (بدء التشغيل) أو وضع ON/RUN (التشغيل/الانطلاق) لأول مرة، فستصدر صافرة لعدة ثوان. إذا لم يتم السائق أو الراكب في المقعد الأمامي الخارجي (إذا كانت السيارة مزودة بميزة BeltAlert لمقعد الراكب الأمامي الخارجي) بربط الحزام عند إدارة مفتاح التشغيل إلى وضع START (بدء التشغيل) أو وضع ON/RUN (التشغيل/الانطلاق) لأول مرة، فسيضيء ضوء التذكير بربط حزام الأمان ويبقى مضاءً حتى يتم ربط كل من أحزمة أمان المقاعد الأمامية الخارجية. لا تكون ميزة BeltAlert لمقعد الراكب الأمامي الخارجي نشطة عند عدم وجود راكب في المقعد الأمامي الخارجي.

تحذير!

- لا تستخدم مطلقاً نظام تثبيت أطفال متجهًا إلى الخلف على مقعد محمي بواسطة وسادة هوائية نشطة أمامه، إذ قد تحدث وفاة أو إصابة بالغة للطفل.
- لا تترك نظام تثبيت الأطفال المتجه للخلف في المقعد الأمامي في السيارة مطلقاً. استخدم نظام تثبيت الأطفال المتجه للخلف في المقعد الخلفي فقط. إذا كانت السيارة لا تشتمل على مقعد خلفي، فلا تحمل معك نظام تثبيت أطفال متجهًا للخلف في هذه السيارة.
- حيث قد يتسبب انفجار الوسادة الهوائية الأمامية للراكب في وفاة طفل يبلغ 12 عاماً أو أصغر، بما في ذلك الطفل الموجود في نظام تثبيت الأطفال المتجه للخلف، أو إصابته بإصابة بالغة.

أنظمة أحزمة الأمان

اربط حزام الأمان حتى لو كنت سائقاً ماهراً، حتى عند القيادة لمسافات قصيرة. فقد تواجه من لا يتقن القيادة وقد يعرضك لحادث تصادم. وقد يحدث هذا بعيداً عن المنزل أو في الشارع الذي تقيم فيه.

وقد أثبتت البحوث أن أحزمة الأمان تنقذ الأرواح وتقلل من خطورة الإصابات في حوادث التصادم. وتحدث أسوأ الإصابات عند انقذاف الأشخاص خارج السيارة. وتقيد أحزمة المقاعد من ذلك، وتقلل خطورة الإصابات الناجمة عن الارتطام بالسيارة من الداخل. من الضروري ربط الأحزمة لكل الأشخاص داخل السيارة في جميع الأوقات.

3. إذا كان من الضروري أن يجلس الأطفال الذين تتراوح أعمارهم من سنتين إلى 12 سنة (ليس في نظام تثبيت الأطفال المتجه للخلف) في مقعد الراكب الأمامي، فحرك المقعد إلى أقصى الخلف واستخدم نظام تثبيت الأطفال المناسب. صفحة ٣٢٢

4. لا تدع الأطفال يضعون حزام الكف خلفهم أو تحت ذراعهم أبداً.

5. ينبغي قراءة التعليمات المتوفرة مع نظام تثبيت الأطفال للتأكد من استعمال المقعد بصورة صحيحة.

6. ينبغي على كافة الركاب ربط أحزمة الأمان دوماً بصورة صحيحة.

7. يجب دفع مقعدي السائق والراكب الأمامي إلى أبعد مسافة ممكنة للخلف من أجل توفير مسافة كافية للوسائد الهوائية الأمامية في حالة انفجارها.

8. لا تتكى على الباب أو النافذة. إذا كانت السيارة مزودة بوسائد هوائية جانبية، وحدث انفاج لها، فستنفخ الوسائد الهوائية الجانبية بقوة في الفراغ الذي يكون بين الركاب وبين الباب وقد تتسبب في حدوث إصابة للركاب.

9. إذا كانت هناك حاجة لتعديل نظام الوسادة الهوائية الموجود في هذه السيارة لاستيعاب شخص من ذوي الهمم، فراجع لمعرفة معلومات التواصل مع خدمة العملاء. صفحة ٤١١

احتياطات السلامة الهامة

الرجاء الانتباه للمعلومات الواردة في هذا الجزء من الدليل. إنها تبين لك كيفية استعمال نظام ربط الأحزمة بصورة صحيحة للحفاظ على سلامتك وسلامة الركاب بأقصى قدر ممكن.

وفيما يلي بعض الخطوات البسيطة التي بإمكانك اتباعها لتقليل خطورة الإصابات من الوسادة الهوائية المنتفخة إلى أدنى حد ممكن:

1. يجب تثبيت إبريزم حزام الأمان دائماً للأطفال الذين تبلغ أعمارهم 12 عاماً وأقل في المقعد الخلفي في السيارة المزودة بمقعد خلفي.



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ملصق التحذير على وافي الشمس للراكب الأمامي

2. الطفل صغير الحجم الذي لا يمكنه ارتداء حزام الأمان الخاص بالسيارة بشكل صحيح، ينبغي تثبيته باستخدام نظام تثبيت أطفال مناسب أو مقعد الرفع المزود بإمكانية تغيير وضع الحزام في وضع جلوس إلى الخلف ٣٢٢.

لا تتوافق مستشعرات المقطورة المكتشفة مع المقطورة المستخدمة

سيتم عرض الرسالة "Trailer Sensors Detected Do Not Match Active Trailer" (لا تتوافق

مستشعرات المقطورة التي تم اكتشافها مع المقطورة المستخدمة) في مجموعة أجهزة القياس في حال عدم توافق مستشعرات المقطورة التي تم استبدالها بواسطة وحدة مراقبة ضغط هواء إطارات المقطورة (TTPMS) مع مستشعرات المقطورة المقترنة برقم المقطورة المحدد حالياً. كما سيتم عرض هذه الرسالة عند توافق المستشعرات التي تم استبدالها بالكامل مع المستشعرات المقترنة برقم مقطورة أخرى تم تكوينها في وحدة مراقبة ضغط هواء إطارات المقطورة (TTPMS).

لتصحيح هذه الحالة، يجب اختيار رقم المقطورة الصحيح في الراديو ٢٢٩.

أنظمة تثبيت الركاب

من أهم مميزات السلامة الموجودة في سيارتك أنظمة التثبيت والتي تتضمن:

مميزات أنظمة تثبيت الركاب

- أنظمة أحزمة الأمان
- أنظمة التثبيت الإضافي (SRS) - الوسائد الهوائية
- أنظمة تثبيت الأطفال

قد تمثل بعض مميزات الأمان الموضحة في هذا القسم معدات قياسية في بعض الطرز، أو قد تكون معدات اختيارية في البعض الآخر. إذا كنت غير متأكد، فاسأل الوكيل المعتمد.

مجموعة أجهزة القياس، بإعادته إلى لونه الأصلي. قد يلزم قيادة السيارة لمدة تصل إلى عشر دقائق بسرعة أعلى من 24 كم/ساعة (15 ميلاً/ساعة) لكي يتلقى نظام مراقبة ضغط هواء إطارات المقطورة المعلومات المحدثة.

تحذير صيانة وحدة التحكم في السرعة الثابتة المهيأة (TTPMS)

في حالة اكتشاف عطل بالنظام، ستعرض مجموعة أجهزة القياس الرسالة "Trailer Tire Pressure System Service Required" (نظام مراقبة ضغط هواء إطارات المقطورة بحاجة للصيانة) لمدة خمس ثوانٍ بعد أدنى.

بمجرد إصلاح العطل بالنظام ستختفي الرسالة "Trailer Tire Pressure System Service Required" (نظام مراقبة ضغط هواء إطارات المقطورة بحاجة للصيانة). قد يلزم قيادة السيارة لمدة تصل إلى عشر دقائق بسرعة أعلى من 24 كم/ساعة (15 ميلاً/ساعة) لكي يتلقى نظام مراقبة ضغط هواء إطارات المقطورة (TTPMS) معلومات ضغط هواء إطارات المقطورة.

لم تتم تهيئة نظام ضغط هواء إطارات المقطورة

سنتظهر الرسالة "Trailer Tire Pressure System Not Configured" (لم يتم تكوين نظام ضغط هواء إطارات المقطورة) على رسم نظام مراقبة ضغط هواء إطارات المقطورة (TTPMS) في مجموعة أجهزة القياس عند تحديد رقم مقطورة لم يتم إقران مستشعرات ضغط هواء إطارات المقطورة الخاصة بها. لتصحيح هذه الحالة، راجع ٢٢٩.

(إعادة المحاولة) إلا في حالة فشل عملية الإعداد. يجب إقران كل إطار بنجاح خلال عملية إقران واحدة حتى تظهر شاشة نجاح عملية الإقران.

ملاحظة:

إذا انتهت مهلة عملية الإقران بعد ثلاث دقائق من عدم الاتصال مع مستشعر، فستصدر صافرة تنبيه مزدوجة تشير إلى فشل عملية الإقران وستظهر رسالة على شاشة العرض في الراديو تشير إلى أن العملية لم تنجح. في ظروف معينة، قد تستمر صافرة التنبيه المزدوجة في الانطلاق كل ثلاث دقائق للإشارة إلى فشل الإقران. وإذا حدث هذا، يمكن إلغاء صوت آلة التنبيه بتدوير مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل) ثم إعادته إلى وضع RUN (الانطلاق).

تحذيرات انخفاض الضغط في نظام مراقبة ضغط هواء الإطارات

عند اكتشاف انخفاض ضغط الهواء في واحد أو أكثر من إطارات الطريق النشطة، ستعرض مجموعة أجهزة القياس رسالة تقول "Trailer Tire Pressure Low" (ضغط هواء إطار المقطورة منخفض). وستعرض مجموعة أجهزة القياس رسماً لنظام مراقبة ضغط هواء إطارات المقطورة (TTPMS) يوضح قيم ضغط كل إطار مع عرض قيم ضغط هواء الإطارات المنخفضة بلون مختلف. في حالة حدوث ذلك، يجب عليك التوقف بأسرع ما يمكن ونفخ الإطارات منخفضة الضغط (التي تظهر بلون مختلف في الرسم المعروض في مجموعة أجهزة القياس) إلى قيمة ضغط الإطار المستهدفة التي حددها العميل كما هو موضح أعلى رسم نظام مراقبة ضغط هواء إطارات المقطورة (TTPMS) في مجموعة أجهزة القياس. وبمجرد نفخ الإطارات، سيقوم النظام أوتوماتيكياً بتحديث الرسم في



إقران ضغط هواء إطارات المقطورة

اتبع الرسائل التي تظهر على الشاشة لاختيار عدد محاور الدوران (1-3)، وعدد إطارات المقطورة (2 أو 4 أو 6 أو 8 أو 12)، واضبط ضغط هواء إطارات المقطورة. والنطاق قابل للتحديد في أي مكان بين القيم 862-172 كيلو باسكال (25-125 رطلاً/بوصة مربعة).

بمجرد برمجة وحدة كيلو باسكال (رطل/بوصة مربعة)، تظهر شاشة الإقران. ويجب إقران مستشعر الإطارات بالترتيب الموضح. بدءاً بالإطار 1، أفرغ الإطار من الهواء بمقدار 34 كيلو باسكال (5 أرطال/بوصة مربعة) وانتظر حتى سماع صافرة آلة التنبيه. قد يستغرق الأمر حتى ثلاث دقائق حتى تسمع صوت الصافرة التي تشير إلى اكتمال إقران المستشعر. كرر العملية مع كل إطار، بالترتيب، حتى تكملها جميعاً. ولا تخرج من شاشة الإقران حتى تكتمل العملية. إذا لم ينجح الإقران، فستصدر آلة التنبيه صافرة مزدوجة وستظهر رسالة على شاشة اللمس تسمح لك بإعادة الإجراء؛ ولن تظهر الرسالة "Retry"

بعد تركيب المستشعرات ووجود المقطورة بالقرب من شاحنة Ram أو وهي متصلة بالشاحنة، ابدأ إجراء الإقران بالدخول إلى قائمة Settings (الإعدادات) في الراديو واختيار Trailer (المقطورة). اختر نموذج المقطورة المطلوب لإقرانها، وافتح قائمة "Tire Pressure" (ضغط الإطارات)، واضغط على "Setup All Tires" (إعداد جميع الإطارات) صفحة ٢٢٩.

ملاحظة:

قد لا يمكن قيادة السيارة حتى تكتمل عملية الإقران.



إعدادات ضغط هواء إطارات المقطورة

إنذار ملء الإطارات

تعمل هذه الميزة على إخطار المستخدم عند الوصول إلى قيمة ضغط هواء الإطار الواردة على الملصق أثناء نفخ الإطار أو إفراغه من الهواء.

يمكنك أن تختار تعطيل ميزة إنذار ملء الإطارات أو تمكينها من خلال استخدام إعدادات Uconnect في الراديو.

ملاحظة:

- يمكن ملء إطار واحد فقط في كل مرة باستخدام نظام إنذار ملء الإطار.
- لا يمكن الدخول إلى ميزة إنذار ملء الإطارات في حالة وجود عطل "نشط" في نظام مراقبة ضغط هواء الإطارات (TPMS) أو إذا كان النظام في وضع إلغاء التنشيط (إذا كانت السيارة مزودة بذلك).

سيتم تنشيط النظام عند اكتشاف زيادة إيجابية في ضغط هواء الإطار بواسطة نظام مراقبة ضغط هواء الإطارات (TPMS) في أثناء نفخ الإطار. يجب أن يكون مفتاح التشغيل في وضع RUN (الانطلاق) مع وجود ناقل الحركة في وضع PARK (التوقف).

ملاحظة:

لا يلزم تشغيل المحرك للدخول إلى وضع إنذار ملء الإطار.

ستومض مصابيح الخطر للتأكيد على أن السيارة في وضع إنذار ملء الإطار.

عند الدخول إلى وضع إنذار ملء الإطارات، سيتم عرض شاشة عرض قيمة ضغط هواء الإطار في مجموعة أجهزة القياس.

إذا لم تعمل مصابيح الخطر في أثناء نفخ الإطار، فقد يكون مستشعر نظام مراقبة ضغط هواء الإطارات (TPMS) خارج النطاق ما يمنع استقبال إشارة مستشعر نظام مراقبة ضغط هواء الإطارات (TPMS). وفي هذه الحالة، قد يلزم تحريك السيارة للأمام أو للخلف قليلاً للخروج من ذلك المكان.

التشغيل:

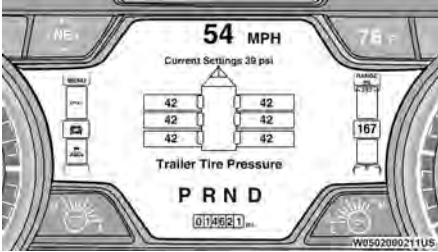
- ستصدر آلة التنبيه صوت صافرة مرة واحدة لإعلام المستخدم بوقت إيقاف ملء الإطار عندما يصل إلى قيمة الضغط الموصى بها.
- ستصدر آلة التنبيه صوت صافرة ثلاث مرات إذا تم ملء الإطار بصورة زائدة، وسيستمر صدور الصافرة كل خمس ثوان إذا استمر المستخدم في نفخ الإطار.
- ستصدر آلة التنبيه صوت صافرة مرة أخرى عند إخراج الهواء الكافي للوصول إلى مستوى النفخ الصحيح.
- كما ستصدر آلة التنبيه صوت صافرة ثلاث مرات إذا تم تفريغ هواء الإطار بصورة زائدة، وسيستمر صدور الصافرة كل خمس ثوان إذا استمر المستخدم في إفراغ هواء الإطار.

نظام مراقبة ضغط هواء إطارات المقطورة

(TTPMS) — إذا كانت السيارة مزودة بذلك

إن نظام مراقبة ضغط هواء إطارات المقطورة (TTPMS) هو ميزة تعرض قيم ضغط هواء إطارات المقطورة وتحذر السائق من انخفاض ضغط هواء إطارات المقطورة، بناءً على قيمة ضغط هواء الإطارات المستهدفة التي يحددها السائق، وذلك عبر إعدادات نظام مراقبة ضغط هواء إطارات المقطورة (TTPMS) التي توجد في الراديو.

يراقب نظام مراقبة ضغط هواء إطارات المقطورة (TTPMS) ضغط كل إطار ويحذر السائق عبر مجموعة أجهزة القياس إذا انخفض ضغط هواء أي إطار من الإطارات لأقل من 25% من قيمة الضغط التي يحددها السائق أو إذا حدث عطل في النظام. ستعرض مجموعة أجهزة القياس ضغط هواء الإطارات الحقيقي أو مجموعة شريط لكل إطار من إطارات المقطورة بالموضع الصحيح في المقطورة، بناءً على تهينة المقطورة. يمكن أن يدعم نظام مراقبة ضغط هواء إطارات المقطورة (TTPMS) حتى 12 إطاراً لكل مقطورة مكوّنة بما يصل إلى أربع مقطورات قابلة للتهينة. صفحة ٢٢٩.



نظام مراقبة ضغط إطارات المقطورة (TTPMS)

إقران مستشعرات ضغط إطارات المقطورة

لاستخدام هذه الميزة، يجب تركيب مستشعرات ضغط هواء الإطارات المرفقة في الإطارات المطلوبة في المقطورة ويجب إقران المستشعرات بالشاحنة. وإذا كانت المقطورة المستهدفة تحتاج إلى أكثر من المستشعرات الأربعة المرفقة، يمكن شراء مستشعرات إضافية من وكيل Ram المعتمد.

رسالة "SERVICE TPM SYSTEM" (نظام مراقبة ضغط هواء الإطارات بحاجة إلى صيانة) لمدة خمس ثوان على الأقل ثم تعرض شريطين (- -) بدلاً من قيمة الضغط.

- بالنسبة إلى جميع الدورات التالية لمفتاح التشغيل، ستصدر إشارة صوتية ويومض ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS) لمدة 75 ثانية ثم يثبت في حالة الإضاءة وتستعرض مجموعة أجهزة القياس رسالة "SERVICE TPM SYSTEM" (نظام مراقبة ضغط هواء الإطارات بحاجة إلى صيانة) لمدة خمس ثوان بعد أدنى ثم تعرض شريطين (--) بدلاً من قيمة الضغط.

- وبمجرد إصلاح أو استبدال إطار الطريق الأصلي وإعادة تركيبه في السيارة بدلاً من الإطار الاحتياطي ذي الحجم الكامل أو الإطار الاحتياطي الصغير غير المتطابق، يتم تحديث نظام مراقبة ضغط هواء الإطارات (TPMS) أوتوماتيكياً. بالإضافة إلى ذلك، ينطفئ ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS) وسيعرض الرسم الذي في مجموعة أجهزة القياس قيمة ضغط جديدة بدلاً من الشريطين (--) ما دام لا يوجد إطار ينخفض ضغطه عن الحد الخاص بالتحذير بشأن انخفاض ضغط الإطار في أي من إطارات الطريق الأربعة المستخدمة. قد يلزم قيادة السيارة لمدة تصل إلى عشرين دقيقة بسرعة أعلى من 24 كم/ساعة (15 ميلاً/ساعة) لكي يتلقى نظام مراقبة ضغط هواء الإطارات (TPMS) هذه المعلومات.

العمل بالنظام موجوداً، فلن يومض "ضوء تحذير نظام مراقبة ضغط هواء الإطارات" وسيتم عرض شاشة عرض ضغط هواء الإطار التي توضح قيم ضغط هواء الإطارات في الأماكن الصحيحة.

السيارات المزودة بإطار احتياطي ذي حجم كامل أو إطار احتياطي صغير غير متطابقين

- لا يحتوي الإطار الاحتياطي ذو الحجم الكامل أو الإطار الاحتياطي الصغير غير المتطابق على مستشعر لنظام مراقبة ضغط هواء الإطارات (TPMS). وبالتالي، لن يقوم نظام مراقبة ضغط هواء الإطارات (TPMS) بمراقبة الضغط في الإطار الاحتياطي ذي الحجم الكامل أو الإطار الاحتياطي الصغير غير المتطابق.
- إذا قمت بتركيب الإطار الاحتياطي ذي الحجم الكامل أو الإطار الاحتياطي الصغير غير المتطابق بدلاً من إطار طريق ضغطه منخفض عن الحد الخاص بالتحذير بشأن انخفاض ضغط الإطار، فستصدر إشارة صوتية ويضيء ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS) وتظهر رسالة "LOW TIRE" (انخفاض ضغط هواء الإطارات) في المرة التالية التي تقوم فيها بإدارة مفتاح التشغيل إلى وضع التشغيل. إضافة إلى ذلك، سيستمر الرسم في مجموعة أجهزة القياس في عرض قيمة الضغط بلون مختلف مع عرض رسالة "Inflate to XX" (انفخ الإطار إلى XX).
- بعد قيادة السيارة لمدة تصل إلى 20 دقيقة بسرعة أعلى من 24 كم/ساعة (15 ميلاً/ساعة)، سيومض ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS) لمدة 75 ثانية ثم يثبت في حالة الإضاءة. بالإضافة إلى ذلك، تعرض شاشة عرض مجموعة أجهزة القياس

"SERVICE TPM SYSTEM" (نظام مراقبة ضغط هواء الإطارات بحاجة إلى صيانة) ويتم عرض قيمة الضغط بدلاً من الشريطين. يمكن أن يحدث خطأ النظام نتيجة لأي من الأسباب التالية:

- التشويش بسبب الأجهزة الإلكترونية أو القيادة بالقرب من المنشآت التي تصدر عنها الترددات اللاسلكية نفسها التي تصدرها مستشعرات نظام مراقبة ضغط هواء الإطارات (TPM)
- تركيب أغشية النوافذ المتوفرة في الأسواق والتي تحتوي على مواد قد تحجب إشارات الموجات اللاسلكية
- تراكم كميات كبيرة من الثلج أو الجليد حول العجلات أو مبيّنات العجلات
- استخدام سلاسل الإطارات في السيارة
- استخدام عجلات/إطارات غير مزودة بمستشعرات نظام مراقبة ضغط هواء الإطارات (TPMS)

قد يحدث عطل بالنظام بسبب حالة موقع غير صحيح لمجس نظام مراقبة ضغط هواء الإطارات (TPMS). عند حدوث عطل بالنظام بسبب موضع غير صحيح لمجس نظام مراقبة ضغط هواء الإطارات، سيومض "ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS)" لمدة 75 ثانية ثم يثبت في حالة الإضاءة. تصدر إشارة صوتية أيضاً عند اكتشاف خطأ بالنظام. بالإضافة إلى ذلك، تعرض مجموعة أجهزة القياس الرسالة "Tire Pressure Temporarily Unavailable" (ضغط هواء الإطار غير متاح مؤقتاً) مكان شاشة عرض ضغط هواء الإطار. في حالة تدوير مفتاح التشغيل، سينكرر هذا التسلسل، معطياً أن خطأ النظام لا يزال موجوداً. إذا لم يعد

أوتوماتيكياً وسيعود الرسم الموجود في مجموعة أجهزة القياس إلى اللون الأصلي، وسيبقى ضوء تحذير نظام مراقبة ضغط هواء الإطارات. قد يلزم قيادة السيارة لمدة تصل إلى عشرين دقيقة بسرعة أعلى من 24 كم/ساعة (15 ميلا/ساعة) لكي يتلقى نظام مراقبة ضغط هواء الإطارات (TPMS) هذه المعلومات.

ملاحظة:

عند ملء الإطارات الدافئة، قد تكون هناك حاجة إلى زيادة ضغط هواء الإطارات بقيمة إضافية تصل إلى 28 كيلوباسكال (4 أرطال/بوصة مربعة) أعلى من ضغط هواء الإطار البارد الموصى به الوارد على الملصق لإيقاف تشغيل ضوء تحذير نظام مراقبة ضغط هواء الإطارات.

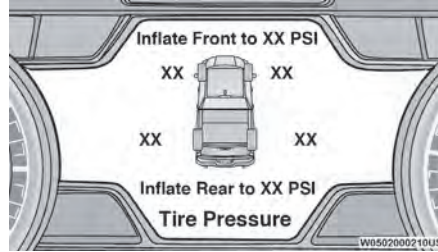
تحذير صيانة نظام مراقبة ضغط هواء الإطارات (TPMS)

إذا تم اكتشاف عطل بالنظام، فسبب ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS) لمدة 75 ثانية ثم ثبتت في حالة الإضاءة. تصدر إشارة صوتية أيضاً عند اكتشاف خطأ بالنظام. بالإضافة إلى ذلك، تعرض مجموعة أجهزة القياس رسالة "SERVICE TPM SYSTEM" (نظام مراقبة ضغط هواء الإطارات بحاجة إلى صيانة) لمدة خمس ثوان بحد أدنى ثم تعرض شرتين (--). بدلاً من قيمة الضغط للإشارة إلى المستشعر الذي لم يتم استقبال إشارة منه.

في حالة تدوير مفتاح التشغيل، سيتكرر هذا التسلسل، معطياً أن خطأ النظام لا يزال موجوداً. إذا لم يعد يوجد عطل بالنظام، فسيتوقف وميض ضوء تحذير نظام مراقبة ضغط هواء الإطارات وسيتوقف عرض الرسالة

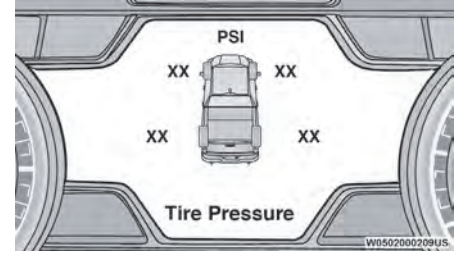
تحذيرات انخفاض الضغط في نظام مراقبة ضغط هواء الإطارات

سيضيء ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS) في مجموعة أجهزة القياس وستصدر إشارة صوتية عند انخفاض ضغط هواء الإطار في إطار واحد أو أكثر من إطارات الطريق الأربعة المستخدمة. بالإضافة إلى ذلك، ستعرض مجموعة أجهزة القياس رسماً يوضح قيم ضغط كل إطار مع عرض قيم ضغط هواء الإطارات المنخفضة بلون مختلف. كما يتم أيضاً عرض رسالة "Inflate to XX" (انفخ الإطار إلى XX).



شاشة انخفاض ضغط الإطار

في حالة حدوث ذلك، يجب عليك التوقف بأسرع ما يمكن ونفخ الإطارات منخفضة الضغط (التي تظهر بلون مختلف في الشاشة الرسومية لمجموعة أجهزة القياس) إلى قيمة ضغط الإطار البارد الموصى به للسيارة والموجود على الملصق كما هو موضح في الرسالة "Inflate to XX" (انفخ الإطار إلى XX). بمجرد استقبال النظام لمستويات ضغط هواء الإطارات المحدثة، سيقوم النظام بتحديث نفسه



شاشة عرض نظام مراقبة ضغط هواء الإطارات

يستخدم نظام مراقبة ضغط هواء الإطارات (TPMS) تكنولوجيا لاسلكية مع مستشعرات إلكترونية مركبة على العجلة المعدنية الداخلية لمراقبة مستويات ضغط هواء الإطارات. حيث تنقل المستشعرات المثبتة على كل عجلة كجزء من الصمام قراءاتها لضغط الإطار إلى وحدة الاستقبال.

ملاحظة:

ومن المهم بشكل خاص فحص مستويات الضغط في جميع إطارات السيارة شهرياً والحفاظ على الضغط الصحيح لها. يتكون نظام مراقبة ضغط هواء الإطارات (TPMS) من المكونات التالية:

- وحدة الاستقبال
- أربعة مستشعرات لنظام مراقبة ضغط هواء الإطارات
- رسائل نظام مراقبة ضغط هواء الإطارات المتنوعة التي تظهر في مجموعة أجهزة القياس.
- ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS)

ملاحظة:

• وهذا النظام لا يغني عن إجراءات العناية العادية بالإطار أو صيانتها كما أنه ليس معنيًا بتوفير تحذير عند حدوث تلف بالإطار.

• يجب عدم استخدام نظام مراقبة ضغط هواء الإطارات (TPMS) كمقياس لضغط الإطارات أثناء ضبط ضغط هواء الإطار، إلا إذا كانت سيارتك مزودة بنظام إنذار ملء الإطارات (TFA).

• إن القيادة في وجود إطار به ضغط منخفض بشكل ملحوظ تسبب زيادة حرارة الإطار وقد تؤدي إلى تعطل الإطار. كما أن انخفاض ضغط هواء الإطار يقلل كفاءة الوقود وعمر مداس الإطار، وقد يؤثر على القدرة على قيادة السيارة وإيقافها.

• إن نظام مراقبة ضغط هواء الإطارات (TPMS) ليس بديلًا عن الصيانة الصحيحة للإطارات، ومن مسؤولية السائق الحفاظ على قيمة الضغط الصحيحة للإطارات باستخدام مقياس ضغط إطارات دقيق حتى إذا لم يصل الانخفاض في ضغط هواء الإطارات إلى المستوى الذي يؤدي إلى إضاءة ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS).

• وتؤثر تغيرات درجة الحرارة الموسمية على ضغط الإطار، وسيراقب نظام مراقبة ضغط هواء الإطارات (TPMS) ضغط الإطار الفعلي.

الإطارات (TPMS) مضيئًا. في هذه الحالة، سينطفئ ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS) فقط بعد نفخ الإطارات إلى قيمة ضغط الهواء البارد الموصى به للسيارة.

تنبيه!

- تم تحسين نظام مراقبة ضغط هواء الإطارات (TPMS) بحيث يعمل في أفضل صورة له مع مكونات الإطارات والعجلات الأصلية. تم تحديد مستويات ضغط نظام مراقبة ضغط هواء الإطارات (TPMS) وتحذيراته وفقًا لحجم الإطار المزود في سيارتك. قد يحدث تشغيل غير سليم للنظام أو تلف بالمستشعر عند استخدام معدات بديلة ليست بنفس الحجم أو النوع أو الشكل. قد تتسبب العجلات المباعة بالأسواق في حدوث تلف للمستشعر.
- قد يتسبب استخدام موانع تسرب الإطارات المباعة بالأسواق في تعطيل مستشعر نظام مراقبة ضغط هواء الإطارات (TPMS). بعد استخدام موانع تسرب الإطارات المتوفرة تجاريًا، يُوصى باصطحاب السيارة إلى الوكيل المعتمد ليقوم بفحص وظيفة المستشعر.
- بعد القيام بفحص أو ضبط ضغط الإطار، قم دائمًا بإعادة تركيب غطاء عمود الصمام. سيؤدي ذلك إلى منع الرطوبة والأوساخ من الدخول إلى عمود الصمام، مما قد يؤدي إلى تلف مستشعر نظام مراقبة ضغط هواء الإطارات (TPMS).

النظام بتحديث نفسه أوتوماتيكيًا وسينطفئ ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPM) بمجرد تلقي النظام ضغط هواء الإطار المحدث. قد يلزم قيادة السيارة لمدة تصل إلى عشرين دقيقة بسرعة أعلى من 24 كم/ساعة (15 ميلًا/ساعة) لكي يتلقى نظام مراقبة ضغط هواء الإطارات (TPMS) هذه المعلومات.

ملاحظة:

عند ملء الإطارات الدافئة، قد تكون هناك حاجة إلى زيادة ضغط هواء الإطار إلى 4 أرطال لكل بوصة مربعة (28 كيلوباسكال) إضافية أعلى من ضغط هواء الإطار البارد الموصى به لإيقاف تشغيل ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS).

على سبيل المثال، قد يكون ضغط الانتفاخ البارد الموصى به لسيارتك الموجود في ملصق الإطار (بعد توقف السيارة لأكثر من 3 ساعات) هو 207 كيلو باسكال (30 رطلًا/بوصة مربعة). إذا كانت درجة الحرارة المحيطة هي 20 درجة مئوية (68 درجة فهرنهايت) وكان ضغط الإطار المقاس هو 186 كيلوباسكال (27 رطلًا في البوصة المربعة)، فسيؤدي انخفاض درجة الحرارة إلى 7- مئوية (20 فهرنهايت) إلى خفض ضغط الإطار إلى 158 كيلوباسكال (23 رطلًا في البوصة المربعة) تقريبًا. وضغط الإطار هذا منخفض بشكل يكفي لإضاءة ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS). قد تؤدي قيادة السيارة إلى ارتفاع ضغط هواء الإطارات إلى 186 كيلوباسكال (27 رطلًا لكل بوصة مربعة) تقريبًا، ولكن سيظل ضوء تحذير نظام مراقبة ضغط هواء

الحد الأدنى لسرعة تنشيط نظام فرامل طوارئ المشاة (PEB) هو 3 أميال/الساعة (5 كم/ساعة).

تحذير!

نظام فرامل طوارئ المشاة (PEB) غير مخصص لتجنب التصادم بنفسه، ولا يمكن لنظام فرامل طوارئ المشاة (PEB) اكتشاف كل نوع من أنواع التصادمات المحتملة بأحد المشاة/راكب الدراجة. والسائق مسؤول عن تجنب التصادم عن طريق التحكم في السيارة بالضغط على الفرامل وتوجيه السيارة. يترتب على عدم اتباع هذا التحذير حدوث إصابات خطيرة أو الوفاة.

تشغيل نظام فرامل طوارئ المشاة (PEB) أو إيقاف تشغيله

ملاحظة:

الحالة الافتراضية لنظام فرامل طوارئ المشاة (PEB) هي "On" (التشغيل). وهذا يتيح للنظام تحذيرك من التصادم الأمامي المحتمل بالمشاة/الراكب. يوجد زر نظام فرامل طوارئ المشاة (PEB) في شاشة نظام Uconnect في إعدادات مفاتيح التحكم صفحة ٢٢٩.

لإيقاف تشغيل نظام فرامل طوارئ المشاة، اضغط على زر Pedestrian Emergency Braking (فرامل طوارئ المشاة) مرة واحدة.

لتشغيل نظام فرامل طوارئ المشاة (PEB) مرة أخرى، اضغط على زر Pedestrian Emergency Braking (فرامل طوارئ المشاة) مرة أخرى.

ويؤدي تغيير حالة نظام فرامل طوارئ المشاة (PEB) إلى إيقاف التشغيل إلى إلغاء تنشيط النظام، وبذلك لن يتوفر أي تحذير أو فرامل نشطة في حال وجود تصادم محتمل بالمشاة/الراكب.

ملاحظة:

لن يحتفظ نظام فرامل طوارئ المشاة (PEB) بأخر إعداد حدده السائق بعد إيقاف تشغيل مفتاح التشغيل. ستتم إعادة ضبط النظام على الإعداد الافتراضي عند إعادة تشغيل السيارة.

نظام مراقبة ضغط هواء الإطارات (TPMS)

سيحذر نظام مراقبة ضغط هواء الإطارات (TPMS) السائق من انخفاض ضغط هواء الإطارات استنادًا إلى ضغط هواء الإطار البارد الموصى به الوارد على الملصق.

ملاحظة:

سيضيء ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS) في مجموعة أجهزة القياس وستصدر صافرة عند انخفاض ضغط الهواء في إطار واحد أو أكثر من الإطارات الأربعة المستخدمة على الطريق. بالإضافة إلى ذلك، ستعرض مجموعة أجهزة القياس رسمًا يوضح قيم الضغط الخاصة بكل إطار مع عرض قيم ضغط هواء الإطارات المنخفضة بلون مختلف، أو سيعرض راديو Uconnect رسالة خاصة بنظام مراقبة ضغط هواء الإطارات (TPMS)، عند حدوث ذلك، يجب عليك زيادة ضغط هواء الإطار إلى قيمة ضغط الإطار البارد الموصى بها الواردة على الملصق لكي ينطفئ ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS).

يختلف ضغط الإطارات تبعًا لدرجة الحرارة بمقدار 1 رطل لكل بوصة مربعة (7 كيلوباسكال) تقريبًا لكل 6.5 درجات مئوية (12 درجة فهرنهايت). ويعني ذلك أنه عند انخفاض درجة الحرارة الخارجية، ينخفض ضغط الإطار. يجب أن يكون ضغط الإطار دائمًا مضبوطًا استنادًا إلى ضغط الإطار البارد. ويُعرف ضغط انتفاخ الإطار البارد على أنه ضغط الإطار بعد مرور ثلاث ساعات من عدم قيادة السيارة على الأقل، أو قيادتها لأقل من 1.6 كيلومتر (1 ميل) بعد فترة ثلاث ساعات. يجب ألا يتجاوز ضغط هواء الإطار البارد أقصى ضغط هواء مطبوع على الجدار الجانبي للإطار. يزداد ضغط هواء الإطار أيضًا مع قيادة السيارة وهذا الأمر طبيعي ولا يجب القيام بأية عمليات ضبط لهذا الضغط الزائد.

انظر صفحة ٣٩٣ للتعرف على كيفية نفخ إطارات السيارة بصورة صحيحة.

يحذر نظام مراقبة ضغط هواء الإطارات (TPMS) السائق من انخفاض ضغط أحد الإطارات إذا انخفض ضغط هواء الإطار عن الحد الخاص بالتحذير بشأن انخفاض ضغط هواء الإطار لأي سبب بما في ذلك تأثيرات انخفاض درجة الحرارة أو فقدان الطبيعي للضغط داخل الإطار.

يستمر نظام مراقبة ضغط هواء الإطارات (TPMS) في تحذير السائق من انخفاض ضغط الإطار طالما تواجدت نفس الظروف، ولن يتوقف حتى يصل ضغط الإطار إلى ضغط الإطار البارد الموصى به أو أعلى من ذلك. بمجرد إضاءة ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS)، زد ضغط هواء الإطارات حتى يصل إلى ضغط الهواء البارد الموصى به لكي ينطفئ ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS). سيقوم

صيانة تحذير التصادم الأمامي

إذا توقف النظام، وعرضت شاشة عرض مجموعة أجهزة القياس الرسالة التالية:

- ACC/FCW Unavailable Service Required (وحدة التحكم في السرعة الثابتة المهيأة/تحذير التصادم الأمامي غير متوفر، يلزم إجراء الصيانة)

- Cruise/FCW Unavailable Service Required (السرعة الثابتة/تحذير التصادم الأمامي غير متوفر، يلزم إجراء الصيانة)

يشير هذا إلى وجود عطل داخلي بالنظام. ورغم إمكانية قيادة السيارة في الظروف العادية، قم بفحص النظام بواسطة وكيل معتمد.

فرامل طوارئ المشاة (PEB) — إذا كانت السيارة مزودة بذلك

فرامل طوارئ المشاة (PEB) عبارة عن نظام فرعي لنظام تحذير التصادم الأمامي (FCW) الذي يوفر للسائق تحذيرات صوتية ومرئية في شاشة عرض مجموعة أجهزة القياس، وقد يقوم بتشغيل الفرامل الأوتوماتيكية عندما يكتشف وجود تصادم أمامي محتمل بأحد المشاة/الدراجين. إذا بدأ تشغيل فرامل طوارئ المشاة (PEB) عند سرعة أقل من 60 كم/ساعة (37 ميلاً/ساعة)، فقد يوفر النظام الفرملة للتقليل من احتمال التصادم بأحد المشاة/الدراجين. إذا أوقف حادث فرامل طوارئ المشاة السيارة بالكامل، فسيقوم النظام بإيقاف السيارة تماماً لمدة ثانيتين ثم يحرر الفرامل. عندما يحدد النظام أن التصادم بأحد المشاة/الدراجين أمامك لم يعد محتملاً، سيتم إلغاء تنشيط رسالة التحذير.

حالة النظام "Only Warning" (تحذير فقط)، يتيح ذلك للنظام تحذير السائق من التصادم المحتمل القريب مع السيارة التي أمامه باستخدام تحذيرات صوتية/مرئية.

- وهذا الإعداد يتيح لك وقت استجابة أقل مما يتيح لك الإعداد "Far" (بعيد) والإعداد "Medium" (متوسط)، والذي يسمح بتجربة قيادة أكثر ديناميكية.
- قد يفضل السائقين ممن يتمتعون بديناميكية أكثر أو جراً أكثر هذا الإعداد لتجنب التحذيرات المتكررة.

ملاحظة:

قد يؤدي الإعداد "Near" (قريب) إلى ظهور عدد أقل من تحذيرات التصادم المحتملة الصادرة من نظام تحذير التصادم الأمامي (FCW).

تحذير التصادم الأمامي (FCW) المقيد

إذا عرضت شاشة عرض مجموعة أجهزة القياس "ACC/FCW Limited Functionality" (وحدة التحكم في السرعة الثابتة المهيأة/تحذير التصادم الأمامي ذو وظيفة مقيدة) أو "ACC/FCW Limited" Functionality Clean Front Windshield (وحدة التحكم في السرعة الثابتة المهيأة/تحذير التصادم الأمامي ذو وظيفة مقيدة، نظف الزجاج الأمامي) لفترة وجيزة، فقد تكون هناك حالة تقيد وظيفة تحذير التصادم الأمامي (FCW). وعلى الرغم من أن السيارة تظل قابلة للقيادة في ظل الظروف العادية، فقد لا تكون الفرامل النشطة متاحة بالكامل. بمجرد انقضاء الطرف الذي يقيد أداء النظام، سوف يستعيد النظام حالة الأداء الكاملة له. إذا استمرت المشكلة، فراجع الوكيل المعتمد.

حالة وحساسية فرملة تحذير بشأن التصادم الأمامي (FCW)

يمكن برمجة حساسية تحذير التصادم الأمامي (FCW) والفرامل النشطة من خلال نظام Uconnect صفحة ٢٢٩.

Far (بعيد)

- عند ضبط حساسية نظام تحذير التصادم الأمامي (FCW) على الإعداد "Far" (بعيد) وتكون حالة النظام "Only Warning" (تحذير فقط)، يتيح ذلك للنظام تحذير السائق من التصادم المحتمل الأبعد مع السيارة التي أمامه باستخدام تحذيرات صوتية/مرئية.
- قد يفضل السائقين الأكثر حرصاً ممن لا يبالون بالتحذيرات المتكررة هذا الإعداد.

ملاحظة:

قد يؤدي الإعداد "Far" (بعيد) إلى ظهور عدد أكبر من تحذيرات التصادم المحتملة الصادرة من نظام تحذير التصادم الأمامي (FCW)

Medium (متوسط)

- عند ضبط حساسية نظام تحذير التصادم الأمامي (FCW) على الإعداد "Medium" (متوسط) وتكون حالة النظام "Only Warning" (تحذير فقط)، يتيح ذلك للنظام تحذير السائق من التصادم المحتمل مع السيارة التي أمامه باستخدام تحذيرات صوتية/مرئية.

Near (قريب)

- عند ضبط حساسية نظام تحذير التصادم الأمامي (FCW) على الإعداد "Near" (قريب) وتكون

• يعد اختبار نظام تحذير التصادم الأمامي (FCW) أمرًا غير آمن. لمنع مثل هذا الاستخدام الخاطئ للنظام، بعد حدوث الفرملة النشطة أربع مرات خلال دورة تشغيل واحدة، سيتم إلغاء تنشيط جزء الفرامل النشطة لنظام تحذير التصادم الأمامي (FCW) حتى دورة التشغيل التالية.

• تم تصميم نظام تحذير التصادم الأمامي (FCW) للاستخدام على الطرق الممهدة فقط. وفي حالة سير السيارة على طريق غير ممهد، يجب إلغاء تنشيط نظام تحذير التصادم الأمامي (FCW) لتجنب التحذيرات غير الصحيحة إزاء الأشياء المحيطة.

• وقد لا يستجيب تحذير التصادم الأمامي (FCW) للأجسام غير ذات الصلة مثل الأجسام العلوية أو انعكاسات الأرض أو الأجسام التي لا تتواجد في مسار السيارة أو الأجسام الثابتة البعيدة أو السيارات القادمة أو السيارات المتقدمة التي تكون لها نفس السرعة أو سرعة أعلى.

• سيتم تعطيل تحذير التصادم الأمامي (FCW) مثل وحدة التحكم في السرعة الثابتة المهيأة (ACC) مع عدم توفر الشاشات.

تحذير!

لا يعني ظهور رسالة تحذير التصادم الأمامي (FCW) أن السيارة ستجنب وقوع التصادم من تلقاء نفسها، كما لا يمكن لتحذير التصادم الأمامي (FCW) اكتشاف كل أنواع التصادمات المحتملة. والسائق مسؤول عن تجنب التصادم عن طريق التحكم في السيارة بالضغط على الفرامل وتوجيه السيارة. يترتب على عدم اتباع هذا التحذير حدوث إصابات خطيرة أو الوفاة.

تشغيل تحذير التصادم الأمامي (FCW) أو إيقاف تشغيله

الحالة الافتراضية لنظام تحذير التصادم الأمامي (FCW) هي "تشغيل"، وهذا يسمح للنظام أن يقوم بتحذيرك من التصادم المحتمل مع السيارة التي أمامك.

يوجد زر تحذير التصادم الأمامي (FCW) في شاشة نظام Uconnect في إعدادات مفاتيح التحكم بصفحة ٢٢٩.

• لتشغيل نظام تحذير التصادم الأمامي (FCW)، اضغط على زر التصادم الأمامي مرة واحدة.

• لإيقاف تشغيل نظام تحذير التصادم الأمامي (FCW)، اضغط على زر التصادم الأمامي مرة واحدة.

ملاحظة:

• عندما يكون نظام تحذير التصادم الأمامي (FCW) "قيد التشغيل"، يسمح هذا للنظام بتحذير السائق من التصادم المحتمل مع السيارة التي أمامه.

• عندما يكون نظام تحذير التصادم الأمامي (FCW) قيد "إيقاف التشغيل"، يؤدي هذا إلى منع النظام من تحذير السائق من التصادم المحتمل مع السيارة التي أمامه. إذا تم ضبط تحذير التصادم الأمامي (FCW) على وضع "إيقاف التشغيل"، فسيتم عرض "FCW OFF" (إيقاف تشغيل تحذير التصادم الأمامي) في شاشة مجموعة أجهزة القياس.

• عند ضبط حالة تحذير التصادم الأمامي (FCW) على وضع "Only Warning" (تحذير فقط) يؤدي هذا إلى منع النظام من توفير فرامل نشطة محدودة أو توفير دعم فرامل إضافي إذا لم يقم السائق بالضغط على الفرامل بالصورة الكافية في حال وجود تصادم أمامي محتمل.

• عند ضبط وضع تحذير التصادم الأمامي (FCW) على وضع "Warning and Braking" (التحذير والفرامل)، يتيح هذا للنظام تحذير السائق من التصادم المحتمل مع السيارة التي أمامه باستخدام تحذيرات صوتية/مرئية واستعمال الفرامل ذاتيًا.

• يعود نظام تحذير التصادم الأمامي (FCW) إلى حالته الافتراضية "Full On" (تشغيل كامل) من دورة تشغيل إلى التي تليها. وإن تم إيقاف تشغيل النظام، يُعاد ضبطه على حالة "Full On" (تشغيل كامل) عند إعادة تشغيل السيارة.

المحتمل. إذا أدى التحذير بشأن التصادم الأمامي (FCW) مع نظام التخفيف إلى توقف السيارة تمامًا، فسيقوم النظام بإيقاف السيارة تمامًا لمدة ثانيتين ثم يحرر الفرامل.



رسالة تحذير التصادم الأمامي (FCW)

عند تحديد النظام لعدم وجود احتمال بوقوع تصادم مع السيارة التي أمامك، يتم إلغاء تنشيط رسالة التحذير.

ملاحظة:

- سرعة الحد الأدنى لتنشيط تحذير التصادم الأمامي (FCW) هي 3 أميال/الساعة (5 كم/ساعة).
- قد تنطلق تنبيهات تحذير التصادم الأمامي (FCW) عند اكتشاف أجسام أخرى غير السيارات، مثل قضبان الحماية أو أعمدة الإشارة استنادًا إلى التنبؤ بالمسار. وهذا أمر متوقع ويعد جزء من عملية تنشيط رسالة تحذير التصادم الأمامي (FCW) الطبيعية وعملية تشغيلها.

تحذير بشأن التصادم الأمامي (FCW) مع نظام التخفيف — إذا كانت السيارة مزودة بذلك

يقدم نظام تحذير التصادم الأمامي (FCW) مع نظام التخفيف للسائق تحذيرات صوتية وتحذيرات مرئية (في شاشة عرض مجموعة أجهزة القياس) وقد يقوم باستخدام اهتزاز للفرامل لتحذير السائق عندما يكتشف احتمالية حدوث تصادم أمامي. تهدف التحذيرات والفرملة المحدودة إلى توفير الوقت الكافي للسائق ليقيم برد الفعل وتفاذي التصادم المحتمل أو ليخفف من وقعه.

ملاحظة:

يراقب نظام تحذير التصادم الأمامي (FCW) المعلومات الواردة من المستشعرات الأمامية وأيضًا أداة التحكم في الفرامل الإلكترونية (EBC) لحساب احتمالية حدوث تصادم أمامي. عندما يحدد النظام احتمالية حدوث تصادم أمامي، سيتم تقديم تحذيرات صوتية ومرئية للسائق وقد يتم توفير تحذير اهتزاز الفرامل أيضًا.

إذا لم يتم السائق باتخاذ إجراء وفقًا لهذه التحذيرات التدريجية، فسوف يقوم النظام بتوفير مستوى محدود من الفرملة النشطة للمساعدة في إبطاء السيارة وتخفيف احتمالية حدوث تصادم أمامي. أما إذا قام السائق باتخاذ إجراء حيال التحذيرات عن طريق الفرملة، فسوف يقرر النظام أن السائق يهدف إلى تفادي التصادم بالفرملة ولكنه لم يستخدم قوة الفرملة الكافية لذا سوف يعوض النظام ذلك ويوفر قوة فرملة إضافية حسبما يلزم.

إذا بدأ تحذير بشأن التصادم الأمامي مع نظام التخفيف عند سرعة أقل من 52 كم/ساعة (32 ميلًا/الساعة)، فإن النظام يوفر أقصى فرملة ممكنة للتخفيف من التصادم

ملاحظة:


- لا يعمل نظام تحذير دمج المقطورة على تنبيه السائق بالسيارات المقترية بسرعة والتي تخرج عن حيز مناطق الاكتشاف.
- قد يتعرض نظام مراقبة النقاط الخفية (BSM) إلى توقف عمل (وميض) أضواء مؤشرات التحذير في المرأة الجانبية عندما تظل دراجة نارية أو أي جسم آخر صغير موجودًا في جانب السيارة لفترات زمنية طويلة (أكثر من ثانيتين).
- قد تتسبب المناطق المزدهمة مثل أماكن ركن السيارات، والأماكن المجاورة، إلخ، في زيادة عدد التنبيهات الخاطئة. هذا أمر عادي.

تحذير!

إن نظام مراقبة النقاط الخفية يعد وسيلة للمساعدة في اكتشاف الأشياء الموجودة في مناطق النقاط غير المرئية. ولم يتم تصميم نظام BSM لاكتشاف المشاة أو راكبي الدراجات أو الحيوانات. حتى في حالة تزويد سيارتك بنظام مراقبة النقاط الخفية (BSM)، احرص دائمًا على التحقق من مرابا السيارة والنظر من فوق الكتف واستخدام إشارة الانعطاف قبل تغيير الحارات. قد يؤدي الفشل في القيام بذلك إلى وقوع إصابات شخصية خطيرة أو الوفاة.

- وضع الحد الأقصى — عند تحديد "وضع الحد الأقصى"، سيعود النظام بصورة افتراضية إلى الحد الأقصى لمنطقة النقاط الخفية بغض النظر عن حجم المقطورة المتصلة.

ملاحظة:

يتم تخزين الإعداد المحدد عند إدارة مفتاح التشغيل إلى وضع إيقاف التشغيل. من أجل تغيير هذا الإعداد، فإنه يجب اختياره من إعدادات Uconnect  صفحة ٢٢٩.

اكتشاف طول المقطورة

بمجرد تحديد وجود المقطورة، سيتم تحديد طول المقطورة (عن طريق الدوران بمقدار 90 درجة)، ثم سيتم عرض فئة طول المقطورة (من 10 إلى 20 قدمًا (3 إلى 6 أمتار) على سبيل المثال). يمكن أن يستغرق ذلك 30 ثانية بعد إكمال الدوران.

ملاحظة:

خلال نفس دورة التشغيل، إذا كانت السيارة متوقفة لمدة لا تقل عن 90 ثانية، فسيتم تمكين "طلب اكتشاف المقطورة" بواسطة النظام بمجرد أن تستأنف السيارة الحركة.

الحد الأقصى لطول المقطورة المدعوم بواسطة ميزة مساعد دمج المقطورة هو 12 مترًا (39.5 قدمًا). يعتبر طول المقطورة هو أقصى جزء أمامي من وصلة المقطورة إلى أقصى جزء خلفي من الهيكل أو الواجهة/المصد أو منحدر المقطورة.

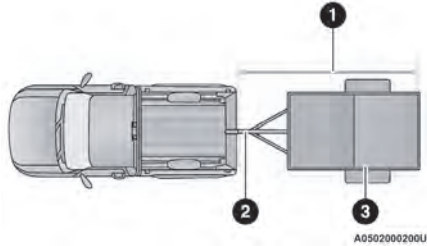
الحد الأقصى للعرض المدعوم بواسطة ميزة مساعد دمج المقطورة هو 2.59 متر (8.5 أقدام). يتم قياس عرض المقطورة من عرض جزء من المقطورة وقد يتضمن العجلات أو الإطارات أو الرفارف أو القضبان.

ملاحظة:

لا يتم دعم المقطورات ذات قضيب الربط المعقوف بواسطة مساعد دمج المقطورة.

ملاحظة:





وقد تنخفض القدرة على اكتشاف المقطورة في الظروف المزدحمة. فقد تمنع مواقف السيارات المزدحمة أو المناطق الضيقة المحاطة بالأشجار أو أي منطقة مزدحمة أخرى مستشعرات الرادار من القدرة على اكتشاف المقطورة بشكل مناسب. وسيحاول النظام اكتشاف المقطورة عند كل دورة تشغيل أو مدة توقف قدرها 90 ثانية.



اكتشاف طول المقطورة

- 1 — طول المقطورة
- 2 — قضيب ربط المقطورة
- 3 — عرض المقطورة


سيتم تحديد طول المقطورة ووضعه ضمن إحدى الفئات التالية:

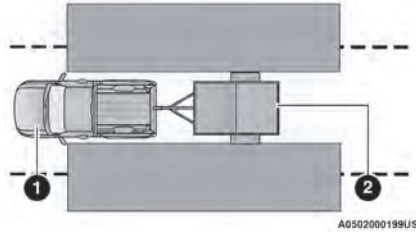
- طول المقطورة حتى 3 أمتار (10 أقدام) — سيتم ضبط منطقة النقاط الخفية على 3 أمتار (10 أقدام) .
- طول المقطورة من 3 أمتار إلى 6 أمتار (10 أقدام إلى 20 قدمًا) — سيتم ضبط منطقة النقاط الخفية على 6 أمتار (20 قدمًا) .
- طول المقطورة من 6 أمتار إلى 9 أمتار (20 قدمًا إلى 30 قدمًا) — سيتم ضبط منطقة النقاط الخفية على 9 أمتار (30 قدمًا) .
- طول المقطورة من 9 أمتار إلى 12 مترًا (30 قدمًا إلى 39.5 قدمًا) — سيتم ضبط منطقة النقاط الخفية على أقصى مسافة .

ملاحظة:

يتم تحديد طول المقطورة ضمن 4- متر واحد (3 أقدام) من الطول الفعلي. قد تخضع المقطورات من نفس حجم حد الفئة، 3/6/9 أمتار (10/20/30 قدمًا)، إلى وضعها في الفئة الأعلى أو الفئة الأدنى من الفئة الصحيحة.

تحذير دمج المقطورة

تحذير دمج المقطورة هو امتداد لوظيفة النقاط الخفية لتغطية طول المقطورة، بالإضافة إلى هامش الأمان، لتحذير السائق عند وجود سيارة في الحارة المجاورة. يتم تنبيه السائق من خلال إضاءة ضوء تحذير مراقبة النقاط الخفية (BSM) الموجود في المرآة الخارجية في جانب السيارة الأخرى التي تم اكتشاف حركتها. بالإضافة إلى ذلك، سيتم تنبيه صوتي (جرس) وسيتم خفض مستوى صوت الراديو  صفحة ٢٩٢.




مناطق النقاط العمياء مع مساعد دمج المقطورة

- 1 — السيارة
2 — المقطورة

الاكتشاف الأوتوماتيكي للمقطورة

يوجد وضعان لتشغيل اكتشاف طول المقطورة:

- الوضع الأوتوماتيكي — عند تحديد "الوضع الأوتوماتيكي"، سيستخدم النظام مستشعرات النقاط الخفية لتحديد وجود المقطورة وطولها. سيتم اكتشاف وجود المقطورة باستخدام رادار النقاط الخفية خلال 90 ثانية من الحركة الأمامية للسيارة. يجب أن تكون السيارة تتحرك بسرعة أعلى من 10 كم/ساعة (6 أميال في الساعة) لتنشيط هذه الميزة. بمجرد اكتشاف المقطورة، سيعود النظام بصورة افتراضية إلى الحد الأقصى لمنطقة النقاط الخفية حتى يتم التحقق من الصحة. كما ستشاهد "Auto" (أوتوماتيكي) في مجموعة لوحة أجهزة قياس .

إيقاف تشغيل تنبيه النقاط الخفية

عند إيقاف تشغيل نظام مراقبة النقاط الخفية (BSM)، لن يصدر نظام مراقبة النقاط الخفية (BSM) أو نظام مسار التقاطع الخلفي (RCP) أو نظام مساعد دمج المقطورة أي تنبيهات مرئية أو صوتية.

ملاحظة:

يقوم نظام BSM بتخزين وضع التشغيل الحالي عند إيقاف تشغيل السيارة. وفي كل مرة يتم فيها تشغيل السيارة، يتم استدعاء الوضع الذي سبق تخزينه ويصبح قيد الاستخدام.

مساعد دمج المقطورة — إذا كانت السيارة مجهزة بذلك

مساعد دمج المقطورة هي وظيفة خاصة بنظام مراقبة النقاط الخفية (BSM) يقوم بتمديد منطقة النقاط العمياء للعمل أثناء سحب المقطورة.

ملاحظة:

عند تنشيط مساعد دمج المقطورة، يتم تعطيل مسار التقاطع الخلفي.

يشتمل مساعد دمج المقطورة على ثلاث وظائف فرعية:

- الاكتشاف الأوتوماتيكي للمقطورة
- اكتشاف طول المقطورة
- تحذير دمج المقطورة

الخلفي (RCP)، سوف يستجيب النظام بإصدار تنبيه مرئي وصوتي عند وجود جسم تم اكتشافه. عند ضرورة إصدار أي تنبيه صوتي، يتم كتم صوت الراديو.

الإشارة الصوتية/مصابيح تنبيه النقاط الخفية

عند تشغيل السيارة في وضع الأصواء/الإشارة الصوتية لتنبيه النقاط الخفية، يقوم نظام مراقبة النقاط الخفية BSM بإصدار تنبيه مرئي في مرآة الرؤية الجانبية الملائمة اعتمادًا على الجسم الذي تم اكتشافه. وفي حالة تنشيط إشارة الانعطاف عند ذلك، وتناسبها مع تنبيه موجود على ذلك الجانب من السيارة، يتم إصدار إشارة صوتية أيضًا. وعند وجود إشارة انعطاف وجسم تم اكتشافه على الجانب نفسه في الوقت نفسه، يتم إصدار كلا التنبيهين المرئي والصوتي. بالإضافة إلى التنبيه الصوتي، يتم كتم صوت الراديو (في حالة تشغيله).

ملاحظة:

وعند ضرورة إصدار تنبيه صوتي من خلال نظام BSM، يتم كتم صوت الراديو.

ولكن عند تشغيل النظام في وضع مسار التقاطع الخلفي (RCP)، يستجيب النظام بإصدار تنبيه مرئي وصوتي عند وجود جسم تم اكتشافه. عند ضرورة إصدار تنبيه صوتي، يتم خفض صوت الراديو. يتم تجاهل حالة إشارة الانعطاف/الخطر؛ حيث دائمًا ما تطلب حالة مسار التقاطع الخلفي (RCP) إصدار إشارة صوتية.

ملاحظة:

في موقف السيارات، قد تتعذر رؤية السيارات القادمة بسبب السيارات الواقفة على أي من الجانبين. فإذا تعرضت المستشعرات للإعاقة بسبب توكينات أو سيارات أخرى، فلن يتمكن النظام من تنبيه السائق.

تحذير!

لا يعد نظام اكتشاف مسار التقاطع الخلفي (RCP) نظامًا مساعدًا للرجوع إلى الخلف. فهو مصمم لاستخدامه في مساعدة السائق على اكتشاف السيارات القادمة في موقف السيارات. يجب أن يتوخى سائقو السيارات الحرص عند الرجوع للخلف حتى عند استخدام نظام مسار التقاطع الخلفي (RCP). قم دائمًا بفحص منطقة خلف السيارة بحرص، وانظر خلفك وتأكد من عدم وجود مشاة أو سيارات أخرى أو عوائق ومناطق غير مرئية قبل الرجوع للخلف. قد يؤدي الفشل في القيام بذلك إلى وقوع إصابات شخصية خطيرة أو الوفاة.

أوضاع النقاط الخفية

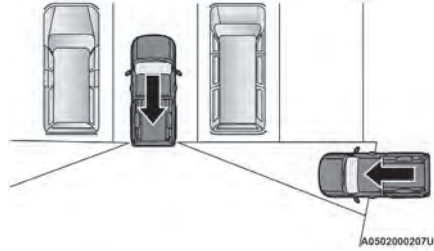
تشتمل النقطة الخفية على ثلاثة أوضاع قابلة للتحديد للعملية المتاحة في نظام Uconnect.

مصباح تنبيه النقاط الخفية فقط

عند تشغيل السيارة في وضع تنبيه النقاط الخفية، يقوم نظام مراقبة النقاط الخفية BSM بإصدار تنبيه مرئي في مرآة الرؤية الجانبية الملائمة اعتمادًا على الجسم الذي تم اكتشافه. ولكن عند تشغيل النظام في وضع مسار التقاطع

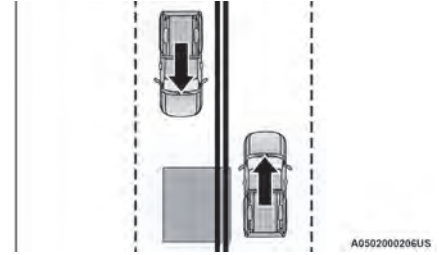
مسار التقاطع الخلفي (RCP)

تم تصميم ميزة مسار التقاطع الخلفي (RCP) لمساعدة السائق عند الرجوع بالسيارة للخروج من أماكن الوقوف حيث قد تتعذر رؤيتهم للسيارات القادمة. تحرك ببطء وحرص عند الخروج من مكان الوقوف حتى تظهر مؤخرة السيارة. سيحصل نظام مسار التقاطع الخلفي (RCP) حينئذٍ على رؤية واضحة للمرور المتقاطع وبينه السائق في حالة اكتشاف سيارة قادمة.

**مناطق اكتشاف مسار التقاطع الخلفي**

يراقب مسار التقاطع الخلفي (RCP) مناطق الاكتشاف الخفية على كلا جانبي السيارة، بالنسبة للأشياء التي تتحرك باتجاه جانب السيارة بسرعة 5 كم/ساعة (3 أميال/ساعة) تقريبًا كحد أدنى، والأشياء التي تتحرك بسرعة تبلغ نحو 32 كم/ساعة (20 ميل/ساعة) تقريبًا كحد أقصى، كما هو الحال في مواقف السيارات.

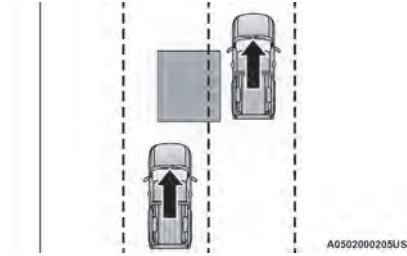
عند تشغيل مسار التقاطع الخلفي (RCP) وتواجد السيارة في وضع الرجوع للخلف (R)، يتم تنبيه السائق باستخدام كلا الإنذارين المرئي والصوتي، مع خفض صوت الراديو.

**حركة المرور العكسية**

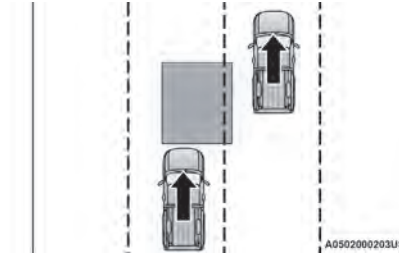
لمعلومات عن كيفية عمل نظام مراقبة النقاط الخفية عند سحب مقطورة ما، انظر صفحة ٢٩٣.

تحذير!

إن نظام مراقبة النقاط الخفية يعد وسيلة للمساعدة في اكتشاف الأشياء الموجودة في مناطق النقاط غير المرئية. ولم يتم تصميم نظام BSM لاكتشاف المشاة أو راكبي الدراجات أو الحيوانات. حتى في حالة تزويد سيارتك بنظام مراقبة النقاط الخفية (BSM)، احرص دائمًا على التحقق من مرآيا السيارة والنظر من فوق الكتف واستخدام إشارة الانعطاف قبل تغيير الحارات. قد يؤدي الفشل في القيام بذلك إلى وقوع إصابات شخصية خطيرة أو الوفاة.

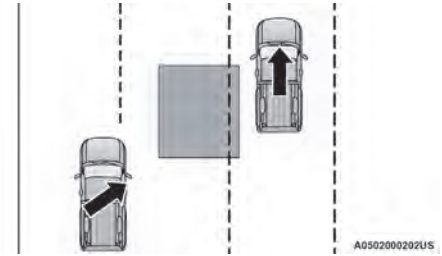


اللاحق/التجاوز



مراقبة الخلف

الدخول من الجانب
السيارات التي تدخل للحارات المجاورة لك من أحد جانبي السيارة.



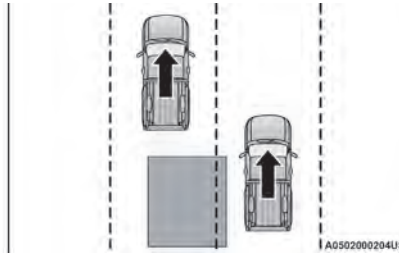
مراقبة الجانب

اللاحق بالمرور

إذا تخطيت سيارة أخرى ببطء بسرعة نسبية تقل عن 24 كم/ساعة (15 ميلا/ساعة) وظلت السيارة في النقطة الخلفية لمدة 1.5 ثانية تقريباً، فسيتم تشغيل الضوء التحذيري. وإذا تجاوز الفرق في السرعة بين السيارتين 24 كم/ساعة (15 ميلا/ساعة)، فلن يتم تشغيل ضوء التحذير.

الدخول من الخلف

السيارات التي تأتي من خلف السيارة على أحد الجانبين وتدخل منطقة الاكتشاف الخلفية بسرعة نسبية تقل عن 48 كم/ساعة (30 ميلا/ساعة).



اللاحق/الاقتراب

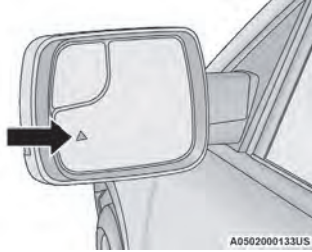
لم يتم تصميم نظام مراقبة النقاط الخفية (BSM) لإصدار تنبيه باكتشاف الأجسام الثابتة مثل الأسوار والقوائم والحوائط وأوراق النبات والحواجز الترابية وأكوام الثلج، وغاسلات السيارات، إلخ. لكن قد يصدر النظام تنبيهاً باكتشاف تلك الأجسام في بعض الأحيان. هذا أمر عادي في السيارة ولا تحتاج سيارتك إلى صيانة.

لا يصدر نظام BSM تنبيهاً حول الأشياء المتحركة في الاتجاه المعاكس للسيارة في الحارات المجاورة.

إذا ظلت رسالة الحجب موجودة بعد إدارة مفتاح التشغيل والقيادة في حركة المرور، فتتحقق مرة أخرى بحثًا عن حجب.

وقد يكتشف النظام تعطلًا إذا كانت السيارة تعمل في مناطق ذات ارتداد راداري منخفض للغاية مثل الصحراء أو بموازاة انخفاض كبير في الارتفاع.

يقوم نظام مراقبة النقاط الخفية (BSM) بإعلام السائق بالأشياء الموجودة في مناطق الاكتشاف من خلال إضاءة ضوء تحذير نظام مراقبة النقاط الخفية (BSM) الموجود في المرايا الخارجية، بالإضافة إلى صدور تنبيه صوتي (جرس) وخفض مستوى صوت الراديو بـ صفحة ٢٩٢.



موقع ضوء التحذير

يقوم نظام مراقبة النقاط الخفية (BSM) بمراقبة منطقة الاكتشاف من ثلاث نقاط دخول مختلفة (الجانب، الخلف، الأمام) أثناء القيادة لتحديد ما إذا كانت هناك ضرورة للتنبيه. ويصدر النظام تنبيهًا صوتيًا خلال هذه الأنواع من دخول المناطق.

مجموعة أجهزة القياس وسبضي ضوء المرأتين ولن تصدر تنبيهات نظام مراقبة النقاط الخفية (BSM) ونظام مسار التقاطع الخلفي (RCP). هذا أمر عادي. سيستعيد النظام تلقائيًا وضعه الطبيعي ويتابع العمل عند العودة إلى الظروف الطبيعية. للتخفيف من إعاقة النظام، لا تحجب منطقة المصد/الواجهة الخلفية حيث تتوفر مستشعرات الرادار باستخدام الأجسام الغريبة (مثل الملصقات على المصد وحوامل الدراجات وغيرها من الأجسام) وحافظ على خلوها من ملوثات الطريق.



مواقع مستشعر الرادار

إذا اكتشف النظام انخفاضًا في الأداء نتيجة تلوث أو أجسام غريبة، فسيتم عرض رسالة تحذرك من حجب المستشعر وستضيء مؤشرات التحذير في مرايا الرؤية الجانبية. ستظل مؤشرات التحذير مضيئة حتى تتم إزالة ظروف الحجب. قم أولاً بإزالة العوائق من الأضواء الخلفية الموجودة حول المستشعرات. بعد إزالة الحجب، يمكن اتباع الإجراءات التالية لإعادة ضبط النظام:

أدر مفتاح التشغيل من وضع التشغيل إلى وضع إيقاف التشغيل ثم أعده إلى وضع التشغيل مرة أخرى.

تغطي منطقة اكتشاف مراقبة النقاط الخفية (BSM) حارة واحدة تقريبًا على كلا جانبي السيارة بمسافة 12 قدمًا (3.8 أمتار). ويبدأ طول المنطقة من مرآة الرؤية الخلفية الخارجية ويمتد مسافة 3 أمتار (10 أقدام) تقريبًا إلى ما بعد المصد/الواجهة الخلفية للسيارة. يعمل نظام مراقبة النقاط الخفية (BSM) على مراقبة مناطق الاكتشاف على جانبي السيارة عندما تصل سرعة السيارة إلى نحو 10 كم/ساعة (6 أميال/ساعة) أو أعلى ويعمل على تنبيه السائق في هذه المناطق.

ملاحظة:

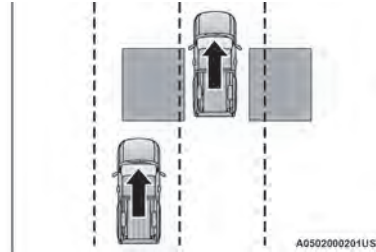
- لا يعمل نظام مراقبة النقاط الخفية (BSM) على تنبيه السائق بالسيارات المقتربة بسرعة التي تكون خارج مناطق الاكتشاف.
- قد يتعرض نظام مراقبة النقاط الخفية (BSM) إلى توقف عمل (وميض) أضواء مؤشرات التحذير في المرآة الجانبية عندما تظل دراجة نارية أو أي جسم آخر صغير موجودًا إلى جانب السيارة لفترات زمنية طويلة (أكثر من ثانيتين).

قد تتم إعاقة تشغيل نظام مراقبة النقاط الخفية (BSM) في حال تراكم الثلج أو الجليد أو الوحل أو غيرها من ملوثات الطريق على المصد/الواجهة الخلفية حيث تكون مستشعرات الرادار موجودة. وقد يكتشف النظام عائقًا أيضًا إذا كانت السيارة تسير في مناطق ينخفض فيها موقع الموجة الرادارية المرتدة للغاية مثل الصحراء أو المناطق المتوازية مع منحدرات عالية. إذا تم اكتشاف العائق، فسيتم عرض رسالة "Blind Spot Temporarily Unavailable, Wipe Rear Corners" (النقاط الخفية غير متوفرة مؤقتًا، نظف الزوايا الخلفية) في

أنظمة القيادة الإضافية

مراقبة النقاط الخفية (BSM) - إذا كانت السيارة مزودة بذلك

يستخدم نظام مراقبة النقاط الخفية (BSM) مستشعري رادار موجودين داخل المصابيح الخلفية لاكتشاف السيارات المرخصة للسير على الطرق السريعة (العربات والشاحنات والدراجات البخارية وما إلى ذلك) والتي تدخل في مناطق النقاط الخفية من خلف/ أمام/ جانب السيارة.



مناطق الاكتشاف الخفية

عند تشغيل السيارة، يعمل ضوء تحذير نظام مراقبة النقاط الخفية (BSM) للحظات في كل من مرآتي الرؤية الخلفية الخارجية لإعلام السائق بعمل النظام. وتعمل مستشعرات نظام مراقبة النقاط الخفية (BSM) عندما تكون السيارة في وضع أي ترس سير للأمام وتدخل في وضع الاستعداد عندما تكون السيارة في وضع PARK (التوقف).

للفرامل (BLD) ممكنًا حتى في حالة وجود نظام التحكم الجر (TCS) ونظام التحكم في الاستقرار الإلكتروني (ESC) في أوضاع منخفضة.

وحدة التحكم في تأرجح المقطورة (TSC)

تستخدم وحدة التحكم في تأرجح المقطورة (TSC) مستشعرات في السيارة لاكتشاف وجود مقطورة متأرجحة بشكل غير طبيعي وتتخذ الإجراءات المناسبة لمحاولة إيقاف التأرجح.

ملاحظة:

لا يمكن لوحدة التحكم في تأرجح المقطورة إيقاف تأرجح جميع المقطورات. تoux الحذر دائمًا عند سحب مقطورة واتباع التوصيات الخاصة بوزن لسان المقطورة. صفحة ٢٠٥.

عند عمل وحدة التحكم في تأرجح المقطورة (TSC)، سيومض ضوء مؤشر تنشيط نظام التحكم في الاستقرار الإلكتروني (ESC)/ ضوء مؤشر العطل وقد تقل طاقة المحرك وقد تشعّر باستخدام الفرامل على عجلات معينة لمحاولة إيقاف تأرجح المقطورة. يتم تعطيل وحدة التحكم في تأرجح المقطورة (TSC) عندما يكون نظام ESC في وضع "Partial Off" (إيقاف جزئي) أو "Full Off" (إيقاف كامل).

تحذير!

إذا نشطت وحدة التحكم في تأرجح المقطورة أثناء القيادة، فقم بإبطاء السيارة وتوقف عند أقرب موقع آمن واضبط حمولة المقطورة للتخلص من التأرجح الحادث بها.

• سوف يومض رمز مجموعة القياس ومصباح المفتاح لعدة ثوانٍ ثم ينطفئ عندما يتم تعطيل نظام التحكم في تحديد السرعة (SSC) بسبب تجاوز السرعة.

• سوف يومض رمز مجموعة أجهزة القياس ومصباح المفتاح، ثم ينطفئ عند إلغاء تنشيط نظام التحكم في تحديد السرعة (SSC) نتيجة لارتفاع حرارة الفرامل.

تحذير!

إن نظام التحكم في تحديد السرعة (SSC) مخصص فقط لمساعدة السائق في التحكم في سرعة السيارة أثناء القيادة على الطرق غير الممهدة. وعلى السائق أن يبقى متنبهاً لظروف القيادة ويعتبر مسؤولاً عن الحفاظ على سرعة آمنة للسيارة.

نظام التحكم في الجر (TCS)

يراقب نظام التحكم في الجر (TCS) مقدار الدوران لكل عجلة. إذا تم اكتشاف دوران العجلة، فسوف يقوم نظام التحكم في الجر (TCS) بتطبيق ضغط الفرامل على العجلة (العجلات) المنزلقة و/أو تقليل طاقة المحرك لتوفير تسارع واستقرار أكبر. وهناك ميزة في نظام التحكم في الجر (TCS)، القفل التفاضلي للفرامل (BLD)، تعمل بصورة مشابهة للتروس التفاضلية محدودة الانزلاق وتتحكم في دوران العجلة عبر محور الدوران المستعمل. في حالة دوران إحدى العجلات على محور دوران مُشغل بشكل أسرع من الآخر، سيقوم النظام باستعمال فرامل العجلة الدائرة. وسيتيح ذلك استخدام المزيد من عزم المحرك على العجلة غير الدائرة. قد يظل القفل التفاضلي

ملاحظة:

- سرعة السيارة أقل من 32 كم/ساعة (20 ميل/ساعة).
السرعة المضبوطة لنظام التحكم في تحديد السرعة (SSC) يمكن للسائق تحديدها ويمكن ضبطها باستخدام نقل التروس +/- . علاوة على ذلك، يتم خفض السرعة المضبوطة لنظام التحكم في تحديد السرعة (SSC) عند صعود منحدر ويعتمد مستوى انخفاض السرعة المضبوطة على مدى ارتفاع المنحدر. يلخص ما يلي السرعات المضبوطة لنظام التحكم في تحديد السرعة (SSC):
السرعات المضبوطة والمستهدفة لنظام التحكم في النزول من المرتفعات (SSC)

- 1st (التروس الأول) = 1 كم/ساعة (0.6 ميل/ساعة)
- 2nd (التروس الثاني) = 1.2 ميل/الساعة (2 كم/ساعة)
- 3rd (التروس الثالث) = 1.8 ميل/الساعة (3 كم/ساعة)
- 4th (التروس الرابع) = 2.5 ميل/الساعة (4 كم/ساعة)
- 5th (التروس الخامس) = 5 كم/ساعة (3.1 ميل/ساعة)
- 6th (التروس السادس) = 3.7 أميال/الساعة (6 كم/ساعة)
- 7th (التروس السابع) = 7 كم/ساعة (4.3 أميال/ساعة)
- 8th (التروس الثامن) = 8 كم/ساعة (5 أميال/ساعة)
- 9th (التروس التاسع) = 9 كم/ساعة (5.6 أميال/ساعة)
— إذا كانت السيارة مزودة بذلك
- R (الرجوع للخلف) = 1 كم/ساعة (0.6 ميل/ساعة)
- NEUTRAL (اللاتعشيق) = 2 كم/ساعة (1.2 ميل/ساعة)
- PARK (التوقف) = بطل نظام التحكم في تحديد السرعة (SSC) مُمكنًا ولكنه غير نشط

تعطيل نظام التحكم في تحديد السرعة (SSC)

- سيتم إلغاء تنشيط نظام التحكم في تحديد السرعة (SSC) ويصبح معطلاً في حالة حدوث أي من الحالات التالية:
- قيام السائق بالضغط على مفتاح SSC.
- نقل مجموعة القيادة خارج نطاق 4WD Low (الدفع الرباعي المنخفض).
- تم استخدام فرامل التوقف.
- يتم فتح باب السائق.
- قيادة السيارة بسرعة أكبر من 32 كم/ساعة (20 ميل/الساعة) لمدة تزيد عن 70 ثانية.
- قيادة السيارة بسرعة أكبر من 64 كم/ساعة (40 ميل/الساعة). يتم الخروج من نظام التحكم في تحديد السرعة فوراً.

ملاحظات للسائق

- تحتوي مجموعة أجهزة القياس على رمز SSC ومفتاح SSC والذي يحتوي على مصباح والذي يوفر ملاحظات للسائق حول الحالة التي يتواجد عليها نظام التحكم في تحديد السرعة (SSC).
- سوف يضيء رمز مجموعة القياس ومصباح المفتاح وتظل الإضاءة ثابتة عندما يتم تمكين نظام التحكم في تحديد السرعة (SSC) أو تنشيطه. تعتبر هذه ظروف التشغيل العادية لنظام التحكم في تحديد السرعة (SSC).
- سوف يومض رمز مجموعة القياس ومصباح المفتاح لعدة ثوان ثم ينطفئ عندما يقوم السائق بالضغط على مفتاح HDC ولكن لا يتم الوفاء بشروط التمكين.

- أثناء تشغيل نظام التحكم في تحديد السرعة (SSC)، يتم استخدام إدخال محدد التروس لتحديد السرعة المطلوبة لنظام التحكم في تحديد السرعة (SSC)، ولن يتأثر الترس المحدد بواسطة ناقل الحركة. أثناء التحكم في تحديد السرعة (SSC) بصورة نشطة، سيتم نقل ناقل الحركة بصورة مناسبة للسرعة المضبوطة المحددة من قبل السائق مع ظروف القيادة المناسبة.

- يتأثر تشغيل نظام التحكم في تحديد السرعة (SSC) بوضع Off Road+ (الطرق غير الممهدة+) إذا كان نشطاً. قد تكون الاختلافات واضحة للسائق كلما تغير مستوى الحدة.

التجاوز من قبل السائق

قد يقوم السائق بتجاوز تنشيط نظام التحكم في تحديد السرعة (SSC) باستخدام صمام الاختناق أو الفرامل في أي وقت.

إلغاء تنشيط نظام التحكم في تحديد السرعة (SSC)

- سيتم إلغاء تنشيط نظام التحكم في تحديد السرعة (SSC) ولكن سيظل متاحاً في حالة حدوث أي من الحالات التالية:
- تجاوز السائق السرعة المضبوطة لنظام التحكم في تحديد السرعة (SSC) باستخدام صمام الاختناق أو الفرامل.
- تجاوزت سرعة السيارة 32 كم/ساعة (20 ميل/ساعة) ولكنها ظلت أقل من 64 كم/ساعة (40 ميل/ساعة).
- نقل السيارة إلى وضع PARK (التوقف).

يشتمل نظام التحكم في تحديد السرعة (SSC) على ثلاث حالات:

1. Off (إيقاف) (الميزة غير ممكنة ولن يتم تنشيطها)
2. Enabled (ممكنة) (الميزة ممكنة وجاهزة ولكن لم تتحقق شروط التنشيط أو قام السائق بالتجاوز بصورة فعالة باستخدام الفرامل أو استخدام صمام الاختناق)
3. Active (نشطة) (الميزة ممكنة وتقوم بصورة فعالة بالتحكم في سرعة السيارة)

تمكين نظام التحكم في تحديد السرعة (SSC)

يتم تمكين نظام التحكم في تحديد السرعة (SSC) بالضغط على مفتاح SSC ولكن ينبغي تحقق الشروط التالية لتمكين نظام التحكم في تحديد السرعة (SSC):

- مجموعة القيادة في نطاق 4WD Low (الدفع الرباعي المنخفض).
- سرعة السيارة أقل من 8 كم/ساعة (5 أميال/ساعة).
- فرامل التوقف محررة.
- باب السائق مغلق.
- السائق لم يستخدم صمام الاختناق.

تم تنشيط نظام التحكم في تحديد السرعة (SSC)

بمجرد تمكين نظام التحكم في تحديد السرعة (SSC) سوف يتم تنشيطه أوتوماتيكياً بمجرد الوفاء بالشروط التالية:

- يحرر السائق صمام الاختناق.
- يحرر السائق الفرامل.
- ناقل الحركة في أي تحديد بخلاف وضع PARK (التوقف).

دعم فرامل المطر (RBS)

يمكن لنظام دعم فرامل المطر (RBS) تحسين أداء الفرامل في الأجواء المبتلة. حيث يقوم بشكل دوري باستخدام الفرامل بمقدار بسيط لإزالة أي ترسب للمياه على الجزء الدوار للفرامل الأمامية. تعمل عندما تكون ماسحات الزجاج الأمامي في وضع السرعة LO (منخفض) أو HI (عالي). عند تنشيط دعم فرامل المطر، لا يظهر تنبيه للسائق ولا يلزم أي تدخل من جانبه.

تنبيه جاهزية الفرامل (RAB)

يمكن أن يعمل تنبيه جاهزية الفرامل (RAB) على تقليل الوقت اللازم للكبح إلى أقصى قدر أثناء المواقف التي تستدعي استخدام الفرامل. وهو يتوقع حدوث موقف يستدعي استخدام الفرامل بشكل طارئ وذلك عن طريق مراقبة مدى سرعة تحرير السائق لدواسة صمام الاختناق. سيقوم نظام التحكم الإلكتروني في الفرامل بتجهيز نظام الفرامل للتوقف المفاجئ.

التحكم في تحديد السرعة (SSC) —

إذا كانت السيارة مزودة بذلك

إن نظام التحكم في تحديد السرعة (SSC) مخصص للاستخدام في الطرق غير الممهدة أثناء التواجد في نطاق 4WD Low (الدفع الرباعي المنخفض). يحافظ نظام التحكم في تحديد السرعة (SSC) على سرعة السيارة بالتحكم بصورة فعالة في عزم المحرك والفرامل.

تعطيل مساعد بدء التشغيل على المرتفعات وتمكينه

يمكن تشغيل هذه الميزة أو إيقاف تشغيلها. لتغيير الإعداد الحالي، قم بما يلي:

في حال تعطيل مساعد بدء التشغيل على المرتفعات (HSA) باستخدام إعدادات Uconnect
صفحة ٢٢٩.

السحب مع استخدام مساعد بدء التشغيل على المرتفعات

كما يوفر نظام مساعد بدء التشغيل على المرتفعات (HSA) المساعدة في تخفيف انزلاق السيارة عند سحب مقطورة.

تحذير!

- إذا كنت تستخدم وحدة تحكم بفرامل المقطورة، فإن فرامل المقطورة يمكن تنشيطها وتعطيلها باستخدام مفتاح الفرامل. إذا كان الأمر كذلك، فقد لا يتوفر ضغط فرامل كافٍ للحفاظ على السيارة والمقطورة على مرتفع عند تحرير دواسة الفرامل. لتجنب الدوران والنزول من الأرض المنحدرة أثناء استئناف التسارع، قم بتنشيط فرامل المقطورة يدوياً أو استخدم المزيد من ضغط فرامل السيارة قبل تحرير دواسة الفرامل.
- إن نظام مساعد بدء التشغيل على المرتفعات لا يعتبر فرامل إيقاف. تأكد دائماً من التعشيق الكامل لفرامل التوقف عند الخروج من السيارة. تأكد أيضاً من ترك ناقل الحركة في وضع PARK (التوقف).
- قد يتسبب عدم اتباع هذه التحذيرات في وقوع تصادم أو إصابة شخصية بالغة.

دورات تشغيل، وتمت قيادة السيارة لعدة كيلومترات (أميال) بسرعات أعلى من 48 كم/ساعة (30 ميلا/ساعة)، فراجع الوكيل المعتمد بأسرع ما يمكن لتشخيص المشكلة وحلها.

يبدأ ضوء تنشيط نظام التحكم في الاستقرار الإلكتروني (ESC)/ضوء مؤشر العطل بالوميض بمجرد فقدان الإطارات لطاقة الجر وعمل نظام الاستقرار الإلكتروني (ESC). وبومض ضوء مؤشر عطل/تنشيط نظام التحكم في الاستقرار الإلكتروني (ESC) أيضًا عندما يكون نظام التحكم في الجر (TCS) نشطًا. إذا بدأ ضوء مؤشر العطل/تنشيط نظام التحكم في الاستقرار الإلكتروني (ESC) في الوميض أثناء التسارع، فخفف الضغط على دواسة البنزين وقلل بقدر الإمكان من استخدام صمام الاختناق. تأكد من توافق سرعتك وأسلوب قيادتك لظروف الطريق.

يشير ضوء مؤشر توقف نظام التحكم في الاستقرار الإلكتروني (ESC) إلى إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC) بشكل جزئي.



ملاحظة:

• يضيء كل من ضوء مؤشر تنشيط/عطل نظام التحكم في الاستقرار الإلكتروني وضوء مؤشر إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني لفترة قصيرة في كل مرة يتم فيها وضع مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق).

• يعمل نظام التحكم في الاستقرار الإلكتروني (ESC) في كل مرة يتم فيها وضع مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق) حتى إذا كان قد تم إيقافه في وقت سابق.

• يصدر عن نظام التحكم في الاستقرار الإلكتروني (ESC) صوت طنين أو نقر عندما يكون نشطًا. وهذا أمر عادي، وتتوقف الأصوات عندما يصبح نظام التحكم في الاستقرار الإلكتروني (ESC) غير نشط بعد المناورة التي تسببت في تنشيط نظام التحكم في الاستقرار الإلكتروني (ESC).

مساعدة بدء التشغيل على المرتفعات (HSA)

تم تصميم نظام مساعد بدء التشغيل على المرتفعات (HSA) للتخفيف من انقلاب السيارة من التوقف الكامل أثناء التواجد على منحدر. إذا حرر السائق الفرامل أثناء التوقف على منحدر، سيستمر نظام مساعد بدء التشغيل على المرتفعات في الاحتفاظ بضغط الفرامل لفترة قصيرة. إذا لم يستخدم السائق صمام الاختناق في هذه الفترة القصيرة، يحرر النظام ضغط الفرامل وتبدأ السيارة في الدوران والازول من فوق المرتفع بالشكل المعتاد. يجب استيفاء الشروط التالية لتنشيط مساعد بدء التشغيل على المرتفعات (HSA):

- يجب أن يتم تمكين الميزة.
- يجب أن تكون السيارة متوقفة.
- يجب أن تكون فرامل التوقف في وضع إيقاف التشغيل.
- يجب أن يكون باب السائق مغلقًا.
- يجب أن تكون السيارة على منحدرات بارتفاع كافي.

- يجب أن يتوافق اختيار الترس مع اتجاه السير على التلال للسيارة (بمعنى في حالة السيارة التي تواجه تلال يكون الترس في وضع السير للأمام بينما تستخدم السيارة في حالة الرجوع من التل ترس REVERSE (الرجوع للخلف)).
- يعمل مساعد بدء التشغيل على المرتفعات (HSA) في ترس REVERSE (الرجوع للخلف) وجميع التروس الأمامية. لذا ينشط النظام إذا كان ناقل الحركة في وضع PARK (التوقف) أو وضع NEUTRAL (اللاتعشيق).

تحذير!

قد تكون هناك مواقف لا ينشط فيها مساعد بدء التشغيل على المرتفعات (HSA) ويحدث فيها دوران بسيط للسيارة، كما هو الحال على المرتفعات الصغيرة، أو عندما تكون السيارة محملة أو أثناء سحب مقطورة. إن مساعد بدء التشغيل على المرتفعات (HSA) ليس بديلًا عن القيادة بانتباه. فمن مسؤولية السائق دائمًا الانتباه للمسافة بين سيارته والسيارات الأخرى والأشخاص والأشياء، والأهم من ذلك استعمال الفرامل لضمان التشغيل الآمن للسيارة في ظل جميع ظروف الطريق. يعتبر انتباهك الكامل مطلوب دائمًا أثناء القيادة للتحكم في السيارة بشكل آمن. قد يتسبب عدم اتباع هذه التحذيرات في وقوع تصادم أو إصابة شخصية بالغة.

تحذير!

- على الاستقرار. تم تصميم وضع "Full Off" (الإيقاف الكامل) لنظام التحكم في الاستقرار الإلكتروني (ESC) للاستخدام خارج الطرق السريعة أو على الطرق غير الممهدة فقط.
- لا يستطيع نظام التحكم في الاستقرار الإلكتروني (ESC) منع قوانين الفيزياء الطبيعية من التأثير على السيارة كما أنه لا يمكنه زيادة قدرة الجر التي توفرها ظروف الطريق. ولا يستطيع نظام التحكم في الاستقرار الإلكتروني (ESC) منع جميع الحوادث بما في ذلك الحوادث الناتجة من السرعة الزائدة في المنعطفات أو القيادة على الأسطح شديدة الانزلاق أو الانزلاق المائي. لا يمكن لنظام التحكم في الاستقرار الإلكتروني (ESC) منع حوادث التصادم.

ضوء مؤشر تنشيط/عطل نظام التحكم في الاستقرار الإلكتروني (ESC) وضوء مؤشر توقف نظام التحكم في الاستقرار الإلكتروني (ESC)

يضيء ضوء مؤشر تنشيط/عطل نظام التحكم في الاستقرار الإلكتروني (ESC) في مجموعة أجهزة القياس عند وضع مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق).

وينطفئ المصباح أثناء تشغيل المحرك. إذا استمر ضوء مؤشر تنشيط/عطل نظام التحكم في الاستقرار الإلكتروني (ESC) في الإضاءة أثناء عمل المحرك، فإن هذا يدل على أنه قد تم اكتشاف عطل في نظام التحكم في الاستقرار الإلكتروني (ESC). إذا ظل هذا المصباح مضاءً بعد عدة



تحذير!

- عند تنشيط وضع "Partial Off" (الإيقاف الجزئي)، يتم تعطيل وظيفة نظام التحكم في الجر (TCS) من نظام التحكم في الاستقرار الإلكتروني (ESC)، (باستثناء ميزة الانزلاق المحدود الموصوفة في قسم نظام التحكم في الجر ((TCS))، وسيضيء ضوء مؤشر ESC OFF (إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC)). عند التواجد في وضع "Partial Off" (الإيقاف الجزئي)، يتم تعطيل ميزة تقليل طاقة المحرك بنظام التحكم في الجر (TCS)، ويتم خفض الاستقرار المحسن للسيارة المتوفر من نظام التحكم في الاستقرار الإلكتروني (ESC).
- يكون نظام التحكم في تأرجح المقطورة (TSC) معطلاً عندما يكون نظام التحكم في الاستقرار الإلكتروني (ESC) في وضع "Partial Off" (الإيقاف الجزئي).

تحذير!

- في وضع "Full Off" (الإيقاف الكامل) لنظام التحكم في الاستقرار الإلكتروني (ESC)، يتم تعطيل ميزات تقليل عزم المحرك والاستقرار. لذلك، تصبح ميزة الاستقرار المحسن للسيارة التي يوفرها نظام التحكم في الاستقرار الإلكتروني (ESC) غير متاحة. في المناورات الطارئة، لن يتم تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC) للمساعدة في الحفاظ

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تحذير!

المنعطفات أو القيادة على الأسطح شديدة الانزلاق أو الانزلاق المائي. لا يمكن لنظام التحكم في الاستقرار الإلكتروني (ESC) منع حوادث التصادم.

أوضاع تشغيل نظام التحكم في الاستقرار الإلكتروني - طراز TRX فقط

- تتوفر أوضاع تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC) التالية:
- **Sport (الرياضة):** يوفر تحكماً أقل في الاستقرار.
- **Auto (أوتوماتيكي):** يوفر تحكماً كاملاً (افتراضياً) في الاستقرار.
- **Snow (الثلج):** يوفر التحكم في الجر والتحكم في الاستقرار الأمثل للظروف الزلقة.
- **Baja:** يحسن نظام الفرامل المانعة للانغلاق (ABS) والتحكم في الجر والتحكم في الاستقرار لتوفير قيادة عالية السرعة على الطرق غير الممهدة.
- **Sand Mud (الرمال/الوحل):** يحسن التحكم في الجر لتوفير القيادة/التحرك بسرعة منخفضة على الطرق غير الممهدة.

ملاحظة:

لا تكون كل أوضاع تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC) قابلة للتحديد في قائمة الإعداد. تكون بعض إعدادات نظام التحكم في الاستقرار الإلكتروني (ESC) مكوّنة سابقاً من خلال وضع القيادة المحدد، وقد لا يكون ضبطها مسموحاً به، راجع > صفحة ٢٥٦.

ملاحظة:

للسيارات المزودة بأوضاع نظام التحكم في الاستقرار الإلكتروني (ESC) الجزئية المتعددة، سيؤدي الضغط على الزر وتحريره إلى تبديل أوضاع نظام التحكم في الاستقرار الإلكتروني (ESC). قد يلزم تنفيذ عدة محاولات للعودة إلى وضع "ESC On" (تشغيل نظام التحكم في الاستقرار الإلكتروني).

تحذير!

- عند تنشيط وضع "Partial Off" (الإيقاف الجزئي)، يتم تعطيل وظيفة نظام التحكم في الجر (TCS) من نظام التحكم في الاستقرار الإلكتروني (ESC)، (باستثناء ميزة الانزلاق المحدود الموصوفة في قسم نظام التحكم في الجر (TCS))، وسيضيء ضوء مؤشر ESC OFF (إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC)). عند التواجد في وضع "Partial Off" (الإيقاف الجزئي)، يتم تعطيل ميزة تقليل طاقة المحرك بنظام التحكم في الجر (TCS)، ويتم خفض الاستقرار المحسن للسيارة المتوفر من نظام التحكم في الاستقرار الإلكتروني (ESC).
- يكون نظام التحكم في تأرجح المقطورة (TSC) معطلاً عندما يكون نظام التحكم في الاستقرار الإلكتروني (ESC) في وضع "Partial Off" (الإيقاف الجزئي).

وضع Full Off (الإيقاف الكامل) - إذا كانت السيارة مزودة بذلك

تم تصميم هذا الوضع للاستخدام على الطرق غير السريعة أو غير الممهدة ولا يجب استخدامه على أي طرق عامة. في هذا الوضع، يتوقف تشغيل الميزات التي يوفرها نظام التحكم في الجر (TCS) ونظام التحكم في الاستقرار الإلكتروني (ESC). للدخول إلى وضع "Full Off" (الإيقاف الكامل)، اضغط مع الاستمرار على زر "ESC OFF" (إيقاف نظام التحكم في الاستقرار الإلكتروني) لمدة خمس ثوان أثناء توقف السيارة وعمل المحرك. بعد مرور خمس ثوان، تصدر إشارة صوتية، ويضيء ضوء مؤشر إيقاف نظام التحكم في الاستقرار الإلكتروني، وتظهر رسالة "ESC OFF" (إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC)) في مجموعة أجهزة القياس. لتشغيل نظام التحكم في الاستقرار الإلكتروني (ESC) مرة أخرى، اضغط للحظات على زر ESC OFF (إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC)).

ملاحظة:

قد يتم تبديل نظام التحكم في الاستقرار الإلكتروني (ESC) من "Full Off" (الإيقاف الكامل) إلى الوضع "Partial Off" (الإيقاف الجزئي) عند تجاوز السيارة سرعة محددة مسبقاً. عندما يتم إبطاء سرعة السيارة لأقل من السرعة المحددة مسبقاً، سوف يعود نظام التحكم في الاستقرار الإلكتروني (ESC) إلى "Full Off" (الإيقاف الكامل).

قد تتأثر أوضاع نظام التحكم في الاستقرار الإلكتروني (ESC) بواسطة أوضاع القيادة (إذا كانت السيارة مزودة بذلك). لا تكون كل أوضاع تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC) قابلة للتحديد في قائمة الإعدادات. تكون بعض إعدادات نظام التحكم في الاستقرار الإلكتروني (ESC) مكوّنة سابقاً من خلال وضع القيادة المحدد، وقد لا يكون ضبطها مسموحاً به، راجع صفحة ٢٥٦.

تحذير!

- في وضع "Full Off" (الإيقاف الكامل) لنظام التحكم في الاستقرار الإلكتروني (ESC)، يتم تعطيل ميزات تقليل عزم المحرك والاستقرار. لذلك، تصبح ميزة الاستقرار المحسن للسيارة التي يوفرها نظام التحكم في الاستقرار الإلكتروني (ESC) غير متاحة. في المناورات الطارئة، لن يتم تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC) للمساعدة في الحفاظ على الاستقرار. تم تصميم وضع "Full Off" (الإيقاف الكامل) لنظام التحكم في الاستقرار الإلكتروني (ESC) للاستخدام خارج الطرق السريعة أو على الطرق غير الممهدة فقط.
- لا يستطيع نظام التحكم في الاستقرار الإلكتروني (ESC) منع قوانين الفيزياء الطبيعية من التأثير على السيارة كما أنه لا يمكنه زيادة قدرة الجر التي توفرها ظروف الطريق. ولا يستطيع نظام التحكم في الاستقرار الإلكتروني (ESC) منع جميع الحوادث بما في ذلك الحوادث الناتجة من السرعة الزائدة في

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ESC On (تشغيل نظام التحكم في الاستقرار الإلكتروني)

يعتبر هذا الوضع هو وضع التشغيل العادي لنظام التحكم في الاستقرار الإلكتروني (ESC). فمع بداية تشغيل السيارة، يصبح نظام التحكم في الاستقرار الإلكتروني (ESC) في هذا الوضع. يجب استخدام هذا الوضع في معظم ظروف القيادة. ولا ينبغي استخدام أوضاع نظام التحكم في الاستقرار الإلكتروني (ESC) البديلة إلا لأسباب خاصة واردة في الفقرات التالية.

Partial Off (الإيقاف الجزئي)

قد يكون هذا الوضع مفيداً إذا كانت السيارة عالقاً. قد يقوم هذا الوضع بتعديل حدود نظام التحكم في الجر (TCS) ونظام التحكم في الاستقرار الإلكتروني (ESC) للتنشيط، وهو ما يسمح عادةً بالمزيد من دوران العجلات أكثر مما هو مسموح به في الطبيعي.

للدخول في وضع "Partial Off" (الإيقاف الجزئي)، اضغط للخطات على زر ESC OFF (إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC)) وسيضيء ضوء مؤشر ESC OFF (إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC)). لتشغيل نظام التحكم في الاستقرار الإلكتروني (ESC) مرة أخرى، اضغط للخطات على زر "ESC OFF" (إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC)) وسينطفئ ضوء مؤشر ESC OFF (إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC)).

تحذير!

عند التعامل مع ظروف الطريق. فالسائق المنتبه والماهر والحذر هو الوحيد الذي يمكنه تجنب وقوع الحوادث. يجب عدم استغلال قدرات السيارات المزودة بنظام التحكم في الاستقرار الإلكتروني (ESC) بطريقة متهور أو خطيرة قد تعرض سلامة السائق أو سلامة الآخرين للخطر.

- إجراء تعديلات على السيارة أو عدم صيانة السيارة بشكل سليم قد يغير من خصائص التعامل مع السيارة، وقد يؤثر سلباً على أداء نظام التحكم في الاستقرار الإلكتروني (ESC). قد يؤثر أيضاً إجراء التغييرات على نظام التوجيه أو التعليق أو نظام الفرامل أو نوع وحجم الإطار أو حجم العجلة بشدة على أداء نظام التحكم في الاستقرار الإلكتروني (ESC). قد تؤدي أيضاً الاطارات غير المنتفخة بشكل صحيح أو المتراكلة بشكل غير متساوي في تدهور أداء نظام التحكم في الاستقرار الإلكتروني (ESC). أي عملية تعديل على السيارة أو صيانة غير صحيحة من شأنها تقليل فعالية نظام التحكم في الاستقرار الإلكتروني (ESC) قد تؤدي إلى زيادة مخاطر فقدان التحكم في السيارة وانقلابها وحدوث إصابات شخصية والوفاة.

أوضاع تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC)

وفقاً لطرز السيارة ووضع التشغيل، قد يحتوي نظام التحكم في الاستقرار الإلكتروني (ESC) على أوضاع تشغيل متعددة.

الواقع. عندما لا يتطابق المسار الفعلي مع المسار الذي يريده السائق، يستعمل النظام فرامل العجلة المناسبة للمساعدة في التغلب على السرعة الزائدة أو المنخفضة عن الحد المطلوب.

يبدأ مصباح مؤشر تنشيط/توقف نظام التحكم في الاستقرار الإلكتروني (ESC) الموجود في مجموعة أجهزة القياس بالوميض بمجرد أن يصبح نظام التحكم في الاستقرار الإلكتروني (ESC) نشطاً. ويومض مصباح مؤشر العطل/تنشيط نظام الاستقرار الإلكتروني (ESC) أيضاً عندما يكون نظام التحكم في الجر (TCS) نشطاً. إذا بدأ ضوء مؤشر العطل/تنشيط نظام التحكم في الاستقرار الإلكتروني (ESC) في الوميض أثناء التسارع، فخفض الضغط على دواسة البنزين وقلل بقدر الإمكان من استخدام صمام الاختناق. تأكد من توافق سرعتك وأسلوب قيادتك لظروف الطريق.

تحذير!

- لا يستطيع نظام التحكم في الاستقرار الإلكتروني (ESC) منع قوانين الفيزياء الطبيعية من التأثير على السيارة كما أنه لا يمكنه زيادة قدرة الجر التي توفرها ظروف الطريق. ولا يستطيع نظام التحكم في الاستقرار الإلكتروني (ESC) منع الحوادث بما في ذلك الحوادث الناتجة من السرعة الزائدة في المنعطفات أو القيادة على الأسطح شديدة الانزلاق أو الانزلاق المائي. كما أنه لا يمكن أيضاً لنظام التحكم في الاستقرار الإلكتروني (ESC) أن يمنع وقوع التصادمات، بما في ذلك التصادمات الناجمة عن فقدان التحكم في السيارة بسبب تدخل غير مناسب من السائق

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تحذير!

لا يستطيع نظام مساعد الفرامل منع قوانين الفيزياء الطبيعية من التأثير على السيارة كما أنه لا يمكنه زيادة قدرة الجر التي توفرها ظروف الطريق. ولا يستطيع النظام منع التصادمات بما في ذلك التصادمات الناتجة عن السرعة الزائدة في المنعطفات أو القيادة على الأسطح شديدة الانزلاق أو الانزلاق المائي. يجب عدم استغلال قدرات السيارات المزودة بنظام مساعد الفرامل بطريقة متهوره أو خطيرة والتي قد تعرض سلامة السائق أو سلامة الآخرين للخطر.

نظام الفرامل ضوء التحذير

يضيء ضوء تحذير نظام الفرامل الأحمر عند إدارة مفتاح التشغيل إلى وضع ON/RUN (التشغيل/الانطلاق) وقد يستمر في الإضاءة لمدة أربع ثوان تقريباً. إذا ظل ضوء تحذير نظام الفرامل مضاءً أو إذا أضاء أثناء القيادة، فإن ذلك يشير إلى أن نظام الفرامل لا يعمل بصورة صحيحة وأن الصيانة الفورية مطلوبة. إذا لم يُضيء ضوء تحذير نظام الفرامل عند إدارة مفتاح التشغيل إلى وضع ON/RUN (التشغيل/الانطلاق)، يجب إصلاح المصباح في أقرب وقت ممكن.

نظام توزيع قوة الفرامل الإلكتروني (EBD)

يعمل نظام توزيع قوة الفرامل الإلكتروني (EBD) على إدارة توزيع عزم الفرامل بين المحورين الأمامي والخلفي عن طريق تقليل ضغط الفرامل على المحور الخلفي. ويتم ذلك لتفادي الانزلاق المفرط للعجلات الخلفية من أجل تجنب عدم استقرار السيارة ولمنع المحور الخلفي من الدخول إلى نظام الفرامل المانعة للانغلاق (ABS) قبل المحور الأمامي.

نظام تخفيف الانقلاب الإلكتروني (ERM)

يتوقع نظام تخفيف الانقلاب الإلكتروني (ERM) احتمال ارتفاع العجلات عن طريق مراقبة مدخلات عجلة القيادة التي يستعملها السائق وسرعة السيارة. وعندما يحدد نظام تخفيف الانقلاب الإلكتروني (ERM) أن معدل تغيير زاوية عجلة القيادة وسرعة السيارة كافيان للتسبب في ارتفاع العجلات، فإنه يستعمل الفرامل المناسبة وقد يخفض طاقة المحرك لتقليل احتمال ارتفاع العجلات. وبإمكان نظام تخفيف الانقلاب الإلكتروني (ERM) خفض احتمال ارتفاع العجلات أثناء المناورات العنيفة أو المراوغة؛ ولكنه لا يستطيع منع ارتفاع العجلات بسبب عوامل أخرى مثل ظروف الطريق أو الانحراف عن الطريق أو الارتطام بأشياء أو سيارات أخرى.

تحذير!

تؤثر العديد من العوامل مثل حمولة السيارة وظروف الطريق وظروف القيادة على احتمال ارتفاع العجلات أو انقلاب السيارة. لا يستطيع نظام تخفيف الانقلاب الإلكتروني منع ارتفاع كافة العجلات أو الانقلاب خاصة تلك التي تتضمن الانحراف عن الطريق أو الاصطدام بأشياء أو سيارات أخرى. يجب عدم استغلال قدرات السيارات المزودة بنظام التحكم في الاستقرار الإلكتروني (ERM) بطريقة متهوره أو خطيرة قد تعرض سلامة السائق أو سلامة الآخرين للخطر.

نظام التحكم في الاستقرار الإلكتروني (ESC)

يحسن نظام التحكم في الاستقرار الإلكتروني (ESC) من التحكم في التوجيه واستقرار السيارة في ظروف القيادة المتنوعة. ويصحح نظام التحكم في الاستقرار الإلكتروني (ESC) السرعة الزائدة أو المنخفضة للسيارة عن طريق استعمال فرامل العجلة (العجلات) المناسبة للتغلب على هذه الظروف. يمكن أيضاً خفض طاقة المحرك لمساعدة السيارة على الاحتفاظ بالمسار المرغوب.

- السرعة الزائدة - عندما تدور سيارة بسرعة أكبر من المناسبة لوضع عجلة القيادة.
- السرعة المنخفضة - عندما تدور سيارة بصورة أقل من المناسبة لوضع عجلة القيادة.

يستخدم نظام التحكم في الاستقرار الإلكتروني المستشعرات في السيارة لتحديد المسار الذي يقصد السائق توجيه السيارة إليه ويقارنه بالمسار الذي تسلكه السيارة في

(HSA) ونظام التحكم في الجر (TCS). تعمل هذه الأنظمة معًا لتحسين كل من استقرار السيارة وإمكانية التحكم بها في ظروف القيادة المختلفة. قد تكون سيارتك مزودة أيضًا بنظام التحكم في تآرجح المقطورة (TSC) والتحكم في النزول من على المرتفعات (HDC).

نظام مساعد الفرامل (BAS)

تم تصميم نظام مساعد الفرامل (BAS) لتحسين كفاءة فرامل السيارة خلال المناورات التي تُستخدم فيها الفرامل في حالات الطوارئ. يكشف النظام الحالات التي تستدعي استعمال الفرامل بشكل طارئ عن طريق استشعار معدل ومقدار استعمال الفرامل ثم يستعمل أقصى ضغط على الفرامل. إن ذلك يساعد في تقليل المسافات التي تقطعها الفرامل لإحداث فرملة. يعتبر نظام مساعد الفرامل (BAS) نظامًا مكملًا لنظام الفرامل المانعة للانغلاق (ABS). ويؤدي الضغط على الفرامل بأقصى سرعة إلى الاستفادة القصوى من المساعدة التي يوفرها نظام مساعد الفرامل. للاستفادة من النظام، يجب الضغط على الفرامل بشكل متواصل أثناء اتباع التوقف (لا تقم بالضغط بشكل متقطع على دواسة الفرامل). لا تخفض الضغط على دواسة الفرامل حتى تتأكد من عدم الحاجة إلى استعمال الفرامل. يتوقف نظام مساعد الفرامل عن العمل بمجرد تحرير دواسة الفرامل.

تحذير!

- قبل الخروج من السيارة، قم دومًا بالتوقف تمامًا، ثم ضع ناقل الحركة الأوتوماتيكي في وضع PARK (التوقف) ثم قم بتعشيق فرامل التوقف.
- تأكد دومًا من أن نقطة التشغيل دون مفاتيح في وضع OFF (إيقاف التشغيل)، ومن إزالة حافظة المفاتيح من السيارة وقفل السيارة.
- لا تترك أبدًا الأطفال بمفردهم في السيارة أو تسمح لهم بالاقتراب من سيارة غير مغلقة. لا تترك الأطفال في السيارة من دون مراقبة لأن ذلك يعرضهم للخطر لأسباب عديدة. فقد يصاب الأطفال أو الآخرون بإصابات خطيرة أو مميتة. ومن ثم، يجب التنبيه على الأطفال بعدم لمس فرامل التوقف أو دواسة الفرامل أو محدد التروس.
- لا تترك الأطفال أو الحيوانات داخل السيارات المتوقفة في الطقس الحار. فقد يؤدي ارتفاع درجة الحرارة الداخلية إلى حدوث إصابات خطيرة أو الوفاة.

نظام التحكم الإلكتروني في الفرامل (EBC)

سيارتك مزودة بنظام تحكم إلكتروني في الفرامل (EBC) متطور. يتضمن هذا النظام نظام الفرامل المانعة للانغلاق (ABS) ونظام مساعد الفرامل (BAS) ونظام توزيع قوة الفرامل الإلكتروني (EBD) ونظام تخفيف الانقلاب الإلكتروني (ERM) ونظام التحكم في الاستقرار الإلكتروني (ESC) ومساعد بدء التشغيل على المرتفعات

إذا أضاء ضوء تحذير نظام الفرامل المانعة للانغلاق (ABS)، فيجب صيانة نظام الفرامل في أسرع وقت ممكن لاستعادة مزايا الفرامل المانعة للانغلاق. إذا لم يُضيء ضوء تحذير نظام الفرامل المانعة للانغلاق (ABS) عند إدارة مفتاح التشغيل إلى وضع ON/RUN (التشغيل/الانطلاق)، فيجب إصلاح المصباح في أقرب وقت ممكن.

تنبيه تذكير المقعد الخلفي (RSRA) - إذا كانت السيارة مزودة بذلك

يُنبه تنبيه تذكير المقعد الخلفي (RSRA) باحتمال وجود شيء أو راكب أو حيوان أليف في المقاعد الخلفية من خلال إشعار مرئي وصوتي. عندما يكون النظام نشطًا، يعرض الرسالة "Check Rear Seat" (تحقق من المقعد الخلفي) على شاشة مجموعة أجهزة القياس ويصدر تنبيهًا مسموعًا عند وضع السائق مفتاح الإشعال على وضع OFF للخروج من السيارة. سيتم تنشيط النظام أوتوماتيكيًا إذا تم فتح الباب الخلفي في غضون 10 دقائق من ضبط مفتاح التشغيل على وضع ON/RUN (التشغيل/الانطلاق). يجب استخدام RSRA كتذكير لفحص المقاعد الخلفية، فهو لا يكشف الأشياء أو الركاب أو الحيوانات الأليفة مباشرة ولا يتم تنشيطه إلا عند استيفاء الشروط السابقة. لتمكين تنبيه تذكير المقعد الخلفي (RSRA) أو تعطيله، راجع صفحة ٢٢٩.

السلامة

ميزات السلامة

نظام الفرامل المانعة للانغلاق (ABS)

يوفر نظام الفرامل المانعة للانغلاق (ABS) ثباتاً أكبر وزيادة في مستوى أداء الفرامل في معظم ظروف الكبح. يمنع النظام أوتوماتيكياً قفل العجلة السيارة، ويحسن التحكم في السيارة أثناء استخدام الفرامل.

يقوم نظام الفرامل المانعة للانغلاق بإجراء دورة للفحص الذاتي للتأكد من أن نظام الفرامل المانعة للانغلاق يعمل بشكل صحيح كل مرة يتم فيها تشغيل السيارة وقيادتها. أثناء هذا الاختبار الذاتي، قد تسمع صوت طقطقة بسيطة بالإضافة إلى بعض ضوضاء الموتور ذات الصلة.

يتم تنشيط نظام الفرامل المانعة للانغلاق (ABS) أثناء استخدام الفرامل عندما يكتشف النظام أن واحدة أو أكثر من العجلات تبدأ في الانغلاق. قد تزيد ظروف الطريق مثل الثلج أو الجليد أو الحصى أو الحواجز أو قضبان السكك الحديدية أو الأتربة الرخوة أو مرات الوقوف المفاجئة من احتمال تنشيط نظام الفرامل المانعة للانغلاق. قد تواجه أيضاً الخصائص العادية التالية عند تنشيط نظام الفرامل المانعة للانغلاق (ABS):

- صوت طقطقة أو ضوضاء موتور نظام الفرامل المانعة للانغلاق (ABS) (قد تستمر في سماع ذلك لفترة قصيرة بعد التوقف)
- اهتزاز دواسة الفرامل
- انخفاض طفيف في دواسة الفرامل في نهاية التوقف

تم تصميم نظام الفرامل المانعة للانغلاق (ABS) لتعمل مع إطارات الجهة المُصنَّعة للإطارات الأصلية. قد ينجم عن التعديل تدهور في أداء نظام الفرامل المانعة للانغلاق.

تحذير!

- يحتوي نظام الفرامل المانعة للانغلاق على معدات إلكترونية متطورة قد تكون حساسة تجاه التداخلات التي تسببها معدات الإرسال اللاسلكي التي يتم تركيبها بصورة غير صحيحة أو ذات الخرج العالي. وقد تسبب هذه التداخلات فقدان قدرة منع الانغلاق عند الفرملة. يجب تركيب مثل هذه المعدات من قبل أخصائيين مؤهلين لأداء ذلك.
- إن ضخ الفرامل المانعة للانغلاق يقلل من فعاليتها وقد يسبب ذلك وقوع تصادم. فضخ دواسة الفرامل يجعل المسافة المطلوبة للوقوف أطول. اضغط بإحكام على دواسة الفرامل عندما تحتاج إلى خفض السرعة أو الوقوف.
- ليس بمقدور نظام الفرامل المانعة للانغلاق (ABS) منع قوانين الفيزياء الطبيعية من التأثير على السيارة، كما أنه لا يستطيع زيادة كفاءة الفرملة أو توجيه السيارة أكثر من الحالة التي عليها فرامل السيارة والإطارات، أو قدرة الجر المتوفرة.

(تابع)

تحذير!

- لا يستطيع نظام مساعد الفرامل (ABS) منع وقوع التصادمات بما في ذلك تلك التي تنتج من القيادة بسرعة عالية عند المنعطفات أو من ملاحقة سيارة أخرى عن قرب أو عند القيادة فوق طرق مغمورة بمياه.
- يجب عدم استغلال قدرات السيارات المزودة بنظام الفرامل المانعة للانغلاق (ABS) أبداً بطريقة متهورة أو خطيرة والتي قد تعرض سلامة السائق أو سلامة الآخرين للخطر.

ضوء تحذير نظام الفرامل المانعة للانغلاق (ABS)

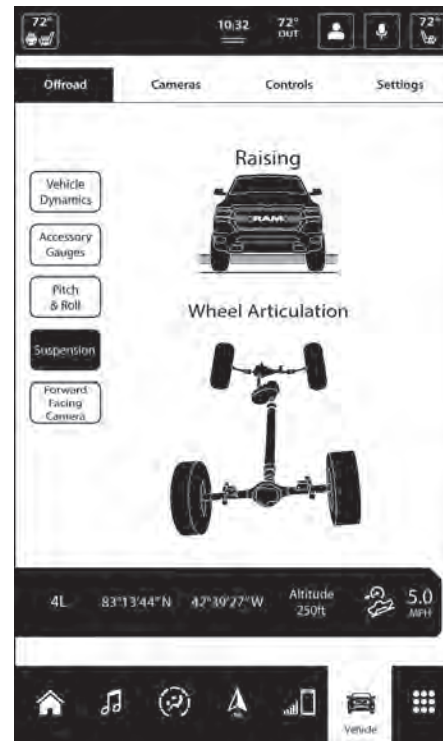
بضوء ضوء تحذير نظام الفرامل المانعة للانغلاق (ABS) الأصفر عند إدارة مفتاح التشغيل إلى وضع ON/RUN (التشغيل/الانطلاق) وقد يستمر في الإضاءة لمدة أربع ثوان تقريباً.

وإذا استمر ضوء تحذير نظام الفرامل المانعة للانغلاق (ABS) في الظهور أو أضاء أثناء القيادة، فإن ذلك يدل على أن جزء منع الانغلاق من نظام الفرامل لا يعمل بصورة صحيحة وأن هناك حاجة إلى صيانة النظام. مع ذلك سيستمر نظام الفرامل التقليدي في العمل بصورة اعتيادية إذا أضاء ضوء تحذير نظام الفرامل المانعة للانغلاق (ABS).

الكاميرا الأمامية— إذا كانت السيارة مزودة بذلك

قد تكون سيارتك مزودة بكاميرا Forward Facing Camera (الكاميرا المتجهة للأمام) التي تتيح لك رؤية صورة المنظر الأمامي للسيارة على الشاشة. ستظهر الصورة على شاشة اللمس مع ملاحظة تحذيرية "check entire surroundings" (تحقق من كل ما يحيط بالسيارة) بطول الجزء العلوي من الشاشة.

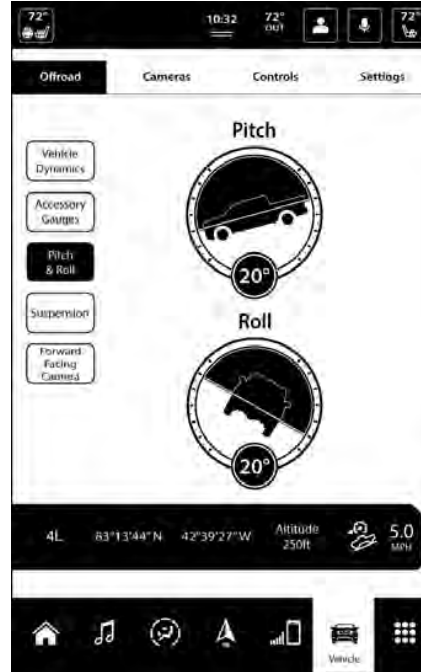
لتنشيط الكاميرا، اضغط على زر Forward Facing Camera (الكاميرا المتجهة للأمام) الموجود على شاشة اللمس.



قائمة التعليق

التعليق - إذا كانت السيارة مزودة بذلك

تعرض صفحة "Suspension" (التعليق) الحالة الحالية لنظام التعليق في السيارة وارتفاع الركوب الحالي للسيارة. كما ستشير صفحة "Suspension" (التعليق) إلى عند تغيير ارتفاع السيارة.



قائمة التآرجج والانزلاق بنظام الدفع الثنائي
(2WD)/الدفع الرباعي (4WD)

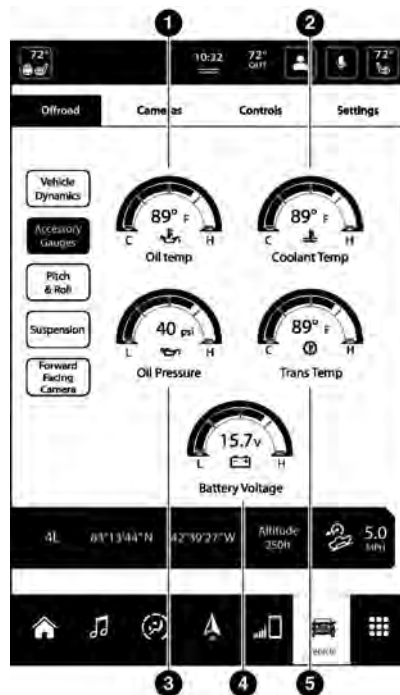
التآرجج والانزلاق

تعرض صفحة Pitch & Roll (التآرجج والانزلاق) مستوى التآرجج الحالي للسيارة (ارتفاع الزاوية وانخفاضها) والانزلاق (حركة الزاوية من جانب لآخر) بالدرجات. توفر مقاييس Pitch & Roll (التآرجج والانزلاق) عرضًا مرئيًا للزاوية الحالية للسيارة.

ملاحظة:

قد تظهر قيم التآرجج والانزلاق عند بدء التشغيل. سيتم تحديث هذه الأرقام بمجرد قيادة السيارة.

- 1 — درجة حرارة الزيت
- 2 — درجة حرارة سائل التبريد
- 3 - ضغط الزيت
- 4 - جهد البطارية
- 5 - درجة حرارة ناقل الحركة

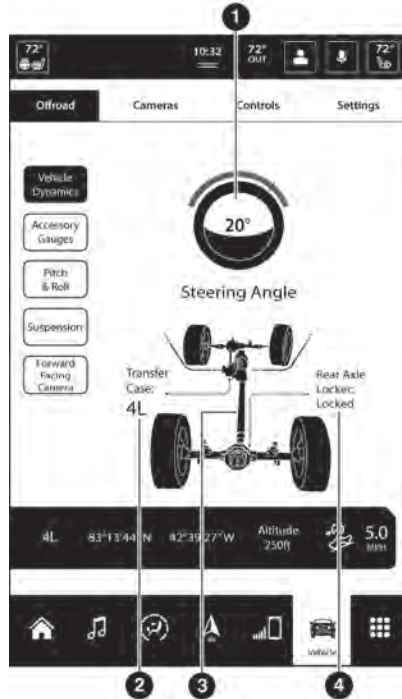


نظام الدفع الثنائي (2WD)/الدفع الرباعي (4WD)
بقائمة مقياس الملحقات

- 1 - زاوية التوجيه
- 2 - حالة علبة النقل
- 3 — المحور الخلفي
- 4 — حالة قفل المحور الخلفي

ACCESSORY GAUGE (مقياس الملحقات)

تعرض صفحة Accessory Gauge (المقياس الملحق) الحالة الزاهنة لدرجة حرارة سائل التبريد ودرجة حرارة الزيت وضغط الزيت ودرجة حرارة ناقل الحركة وجهد البطارية في السيارة.



نظام الدفع الثنائي (2WD)/الدفع الرباعي (4WD)
بقائمة مجموعة الدفع والحركة

- 1 — حالة علبه النقل
- 2 — خط العرض/خط الطول
- 3 — الارتفاع
- 4 — حالة التحكم في النزول من على المرتفعات أو التحكم في تحديد السرعة

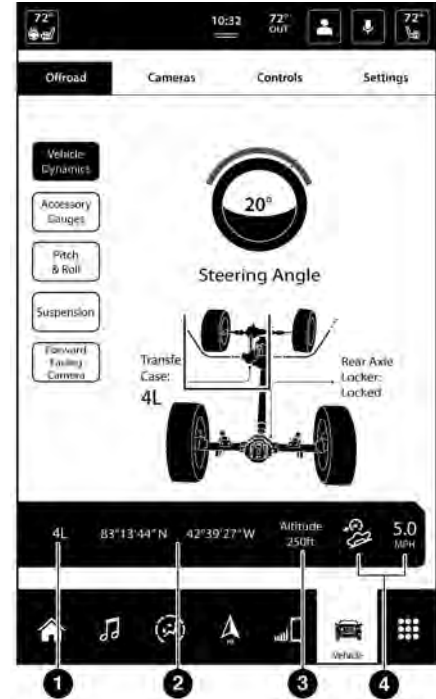
VEHICLE DYNAMICS

(السيارة)

تعرض صفحة Vehicle Dynamics (ديناميكيات السيارة) المعلومات المتعلقة بعلبة النقل وزاوية التوجيه في السيارة.

يتم عرض المعلومات التالية:

1. زاوية التوجيه بالدرجات
2. حالة علبه النقل
3. حالة المحاور الخلفية
4. حالة المحاور الأمامية - إذا كانت السيارة مزودة بذلك



نظام الدفع الثنائي (2WD)/الدفع الرباعي (4WD)
في شريط الحالة

شريط حالة OFF-ROAD PAGES (صفحات الطرق غير الممهدة)

يوجد شريط حالة Off-Road Pages (صفحات الطرق غير الممهدة) على طول الجزء السفلي من صفحات الطرق غير الممهدة ويوجد في كل خيار من خيارات الصفحات القابلة للتحديد. ويوفر معلومات خاصة بالعناصر الآتية:

1. حالة علية النقل
2. خط العرض/خط الطول
3. ارتفاع السيارة
4. حالة التحكم في النزول من على المرتفعات أو التحكم في تحديد السرعة عند السرعة المحددة المستهدفة بوحد قياس كم/الساعة (ميل/الساعة) — إذا كانت السيارة مزودة بذلك



زر OFF ROAD (الطرق غير الممهدة)

تشغيل الراديو والهواتف المحمولة

في ظروف معينة، قد يؤدي تشغيل الهاتف المحمول بسيارتك إلى عمل الراديو بشكل مشوش أو محدثاً ضجة. يمكن تقليل هذه الحالة أو التخلص منها بتغيير موقع الهاتف المحمول داخل السيارة. وهذا التشويش لا يعتبر ضاراً بالراديو. إذا لم يتحسن أداء الراديو بصورة مرضية مع تغيير موضع الهاتف المحمول، فإنه يوصى بخفض صوت الراديو أو إيقافه أثناء تشغيل الهاتف المحمول عند عدم استخدام نظام Uconnect.

OFF-ROAD PAGES (صفحات الطرق غير الممهدة) — إذا كانت السيارة مزودة بذلك

قد تكون سيارتك مزودة بميزة Off-Road Pages (صفحات الطرق غير الممهدة) التي تعرض معلومات مرتبطة بمجموعة الدفع والحركة وعلبة النقل وعداد سائل التبريد/الزيت.

للوصول إلى صفحات الطرق غير الممهدة، اضغط على زر Vehicle (السيارة) على شاشة اللمس، وحدد علامة التبويب OffRoad (الطرق غير الممهدة)، ثم حدد زر OFF ROAD (الطرق غير الممهدة) على الشاشة الرئيسية. يمكن أيضاً الوصول إلى صفحات الطرق غير الممهدة من خلال درج التطبيقات.

إرشادات الاستخدام على المسارات أو الطرق غير الممهدة شديدة الوعورة

- إذا كانت سيارتك مزودة بأوضاع Drive Modes (أوضاع القيادة)، فستقوم بتغيير أداء السيارة في ظروف القيادة المختلفة. يُوصى بتشغيل السيارة في وضع Sport (الرياضة) أو وضع Baja أثناء الحدث.
- قبل كل حدث، تحقق من أن جميع السوائل عند المستويات الصحيحة.
- قبل كل حدث، تحقق من أن بطانات الفرامل الأمامية والخلفية يتبقى بها أكثر من نصف سُمك البطانة. إذا تطلب الأمر تغيير بطانات الفرامل، فأكمل إجراء صقل الفرامل قبل المشاركة في أي حدث بالسرعة الكاملة.
- عند ختام كل حدث، يُوصى بتنفيذ إجراء تفرغ الفرامل للحفاظ على سلامة الدواسة وقدرة التوقف لنظام الفرامل.
- يُوصى بدورة تبريد واحدة كحد أدنى باستخدام الحد الأدنى من الفرملة بعد الانتهاء من الحدث.
- تم اختبار كل السيارات للاستخدام الشاق لمدة 24 ساعة من التمرن. ومع ذلك، يُنصح بفحص نظام التعليق الهوائي ونظام الفرامل وعمود الدعامه ونصف مداسات النقل بحثًا عن وجود تلف أو تآكل بعد كل حدث.
- يؤدي الاستخدام الفائق إلى زيادة درجات حرارة تشغيل المحرك وناقل الحركة ومجموعة نقل الحركة والفرامل. قد يؤثر ذلك على التدابير المضادة للضوضاء والاهتزاز والخشونة (NVH) في سيارتك. قد تكون هناك حاجة إلى تثبيت مكونات جديدة لإعادة النظام إلى الأداء الأصلي لميزة NVH.

• ضغط هواء الإطار:

○ ضغط الإطار الموصى به هو 25 رطلا/بوصة مربعة (172 كيلوباسكال) عندما تكون الإطارات باردة، أو أقل من 38 رطلا/بوصة مربعة (262 كيلوباسكال) عندما تكون ساخنة.

ملاحظة:

يوصى بأن يكون الهدف أقل من 38 رطلا/بوصة مربعة (262 كيلوباسكال) عندما تكون الإطارات ساخنة عند انتهاء كل جلسة قيادة. يوصى بالبدء عند ضغط بارد 25 رطلا/بوصة مربعة (172 كيلوباسكال) والضغط بناءً على درجة الحرارة المحيطة والظروف المحيطة. يمكن مراقبة ضغط هواء الإطارات عبر شاشة عرض مجموعة أجهزة القياس ويمكن أن توفر المساعدة عند إجراء التعديلات.

وضع VALET (الخادم)

- للدخول إلى وضع Valet (الخادم)، اضغط على زر Valet Mode (وضع الخادم) من قائمة All Profiles (كل ملفات التعريف) في شاشة اللمس. لمزيد من المعلومات بخصوص ملفات التعريف، تُرجى مراجعة ملحق دليل مالك نظام Uconnect.
- أثناء التواجد في وضع Valet (الخادم) يتم ضبط تهيئات السيارة التالية مع قفلها لمنع التعديل غير المصرح به:
- ينتقل ناقل الحركة إلى ترس أعلى بصورة مبكرة عن المعتاد.
- يتم ضبط أنظمة التوجيه والتعليق وفقًا لإعدادات وضع Street (الشارع).
- يتم تعطيل أذراع التبديل المثبتة بعجلة القيادة.

- يتم تعطيل زر ESC Off (إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني).
- يتم تعطيل زر Launch Control (التحكم في الانطلاق).
- تنخفض طاقة المحرك.

عند بدء تشغيل السيارة أو إذا تم وضعها في وضع Valet (الخادم) مسبقًا، فستعرض نافذة منبثقة أنّ السيارة في وضع Valet (الخادم). حدد "Yes" (نعم) لإلغاء تنشيط وضع Valet (الخادم). بدلاً من ذلك، اضغط على رمز Locked Profile (ملف التعريف المقفل) في شريط الحالة العلوي للخروج من وضع Valet (الخادم).

أدخل رمز PIN الخاص بوضع Valet (الخادم) والمكون من أربعة أرقام ثم اضغط على "Go" (اذهب). سيتم إلغاء تنشيط وضع Valet (الخادم). سيقوم نظام Uconnect بتحميل آخر ملف تعريف كان نشطًا قبل وضع السيارة في وضع Valet (الخادم).

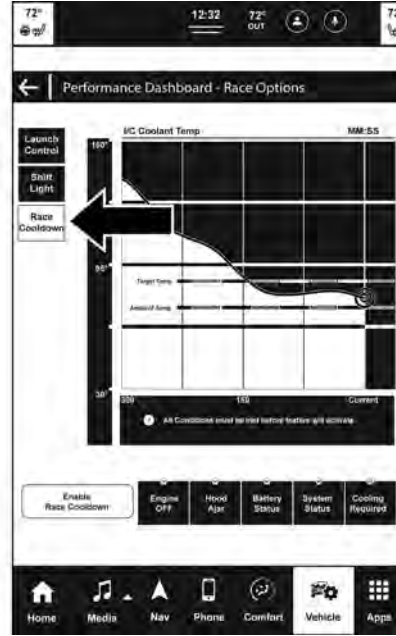
ملاحظة:

إذا فقدت رمز PIN المكون من أربعة أرقام أو في حالة نسيانه، فسوف تخرج السيارة من وضع Valet (الخادم) بعد فصل البطارية لمدة خمس دقائق تقريبًا. أعد توصيل البطارية وأدر مفتاح التشغيل إلى وضع ON/RUN (التشغيل/الانطلاق). ستكون السيارة في الوضع Auto (أوتوماتيكي).

بعد إكمال حدث قام بتوليد الكثير من الحرارة في مجموعة الدفع والحركة، تساعد هذه الميزة على تبريد السيارة بعد إيقاف تشغيل المحرك. تظل مروحة الرادياتير ومضخة سائل تبريد الرادياتير منخفض الحرارة في وضع التشغيل بعد إيقاف تشغيل المحرك لمدة تصل إلى خمس دقائق أو حتى يتم الوصول إلى درجة الحرارة المستهدفة. يمكن أن يوضح الرسم الموجود على الراديو درجة حرارة سائل تبريد المبرد البيني الناتجة في الوقت الحقيقي أثناء وجود مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق) والمحرك في وضع إيقاف التشغيل.

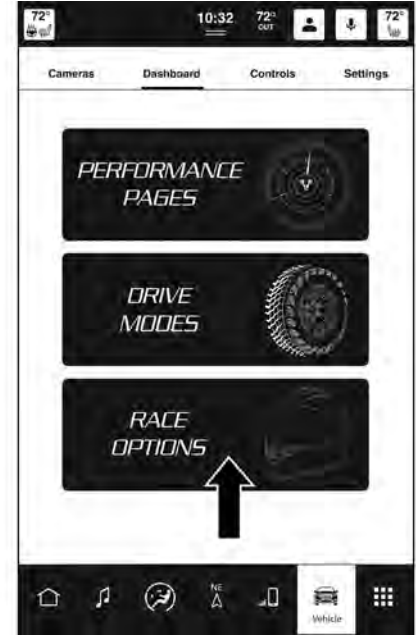
ملاحظة:

- سيتم تشغيل ميزة Race Cooldown (التبريد بعد السباق) (بعد الانطلاق) عندما يكون المحرك في وضع إيقاف التشغيل فقط. سيتم عرض درجة الحرارة والمحرك يدور أيضاً، ولكن لن يعمل التبريد بعد الانطلاق. سيتم إلغاء تنشيط هذه الميزة أوتوماتيكياً بعد القيادة لفترة طويلة بسرعات الطريق أو عندما تنطبق حالة واحدة أو أكثر من الحالات التالية:
- إذا وصلت درجة حرارة سائل تبريد إلى درجة الحرارة المستهدفة ولم يعد التبريد مطلوبًا.
 - إذا انخفضت فولتية البطارية أو حالة الشحن إلى أقل من الحد.
 - إذا كان غطاء المحرك مفتوحًا.



زر Race Cooldown (التبريد في السباق)

لتمكين هذه الميزة، سنتحقق السيارة لضمان إيقاف تشغيل المحرك، وإغلاق غطاء المحرك، والحالة المقبولة للبطارية والنظام، وتحديد ما إذا كان التبريد مطلوبًا أم لا.



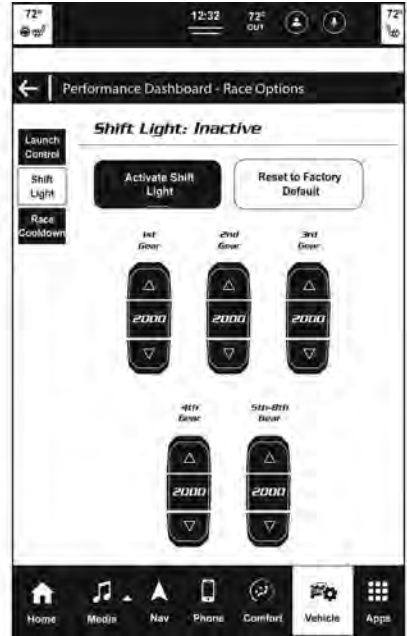
زر Race Options (خيارات السباق)

تسمح لك ميزة Shift Light RPM Set-Up (إعداد عدد الدورات في الدقيقة لضوء نقل التروس) بضبط ضوء نقل التروس ليضيء مع التروس 1 و2 و3 و4 و5-8. بالضغط على زري سهم لأعلى/أسفل على شاشة اللمس وتحريرهما فوق كل ترس موجود وأسفله، ستتغير قيم عدد الدورات في الدقيقة بزيادة قدرها 250 دورة في الدقيقة. يؤدي الضغط مطولاً على الأسهم إلى تغيير قيم عدد الدورات في الدقيقة بزيادات قدرها 500 دورة في الدقيقة، حتى تصل إلى 6250 دورة في الدقيقة. اضغط على زر Reset to Factory Default (إعادة الضبط على الإعدادات الافتراضية للمصنع) على شاشة اللمس للرجوع إلى الإعدادات الافتراضية للمصنع أو اضغط على زر Deactivate Shift Light (إلغاء تنشيط ضوء نقل التروس) على شاشة اللمس لإيقاف تشغيل النظام بالكامل.

Race Cooldown (التبريد في السباق)

يعد Race Cooldown (التبريد في السباق) ميزة قابلة للتحديد بغرض التبريد بعد الانطلاق.

يعد Race Cooldown (التبريد في السباق) ميزة يتم تنشيطها من خلال تحديد زر Race Cooldown (التبريد في السباق) ضمن علامة التبويب Race Options (خيارات السباق).



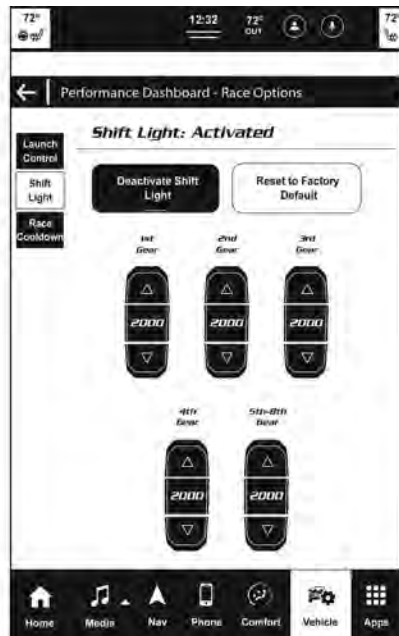
إعداد عدد الدورات في الدقيقة عند تشغيل ضوء نقل التروس

لتنشيط ميزة ضوء نقل التروس، اضغط على علامة التبويب Race Options (خيارات السباق)، ثم اضغط على زر Deactivate Shift Light (إلغاء تنشيط ضوء نقل التروس) على شاشة اللمس. يتم عرض Activation (التنشيط) في شاشة عرض مجموعة أجهزة القياس.

يكون ضوء تغيير التروس نشطاً فقط عندما يكون محدد التروس في وضع Autostick (العصا الأوتوماتيكية) أو Sport (الرياضة).

ملاحظة:

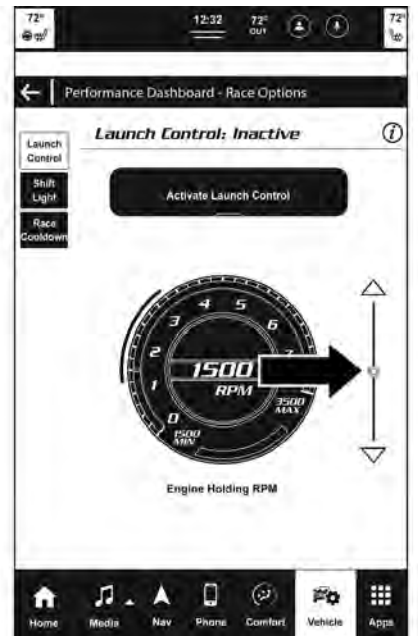
يمكن استخدام أذرع التبديل للنقل، غير أن استخدام أذرع التبديل عندما يكون ذراع نقل الحركة مضبوطاً على وضع Drive (قيادة) (D) لن يُمكن ميزة Shift Light (ضوء نقل التروس).



زر Shift Light (ضوء نقل التروس)

ضوء تغيير التروس

تأتي سيارتك مزودة بميزة ضوء تغيير التروس الذي يضيء شاشة عرض مجموعة أجهزة القياس كإشارة مرئية لنقل التروس لأعلى يدويًا باستخدام أذرع التبديل أو نقل محدد ترس ناقل الحركة.



إعداد عدد الدورات في الدقيقة عند الانطلاق

1. اضبط عدد الدورات في الدقيقة (RPM) عند الانطلاق لتحسين الانطلاق/السحب إلى أقصى حد، إذا لزم الأمر.

2. اضغط على زر **Activate Launch Control** (تنشيط التحكم في الانطلاق) الموجود على شاشة اللمس أو اضغط على زر **Launch** (انطلاق) في لوحة أجهزة القياس، واتباع التعليمات الظاهرة على شاشة عرض مجموعة أجهزة القياس.

○ تأكد من أن السيارة لا تتحرك.
○ اضبط السيارة على الترس الأول أو وضع **Drive** (القيادة).

○ يجب ضبط عجلة القيادة في المنتصف مع اتجاه الإطارات للأمام.
○ يجب أن تكون السيارة على سطح مستو.
○ استخدم ضغط الفرامل.
○ أثناء تثبيت الفرامل، اضغط مع الاستمرار على دواسة الوقود سريعاً لفتح صمام الاختناق بشكل واسع. سوف تثبت سرعة المحرك عند عدد الدورات في الدقيقة الذي تم ضبطه في شاشة "Launch Control" (التحكم في الانطلاق).

ملاحظة:

سوف تظهر رسائل على شاشة عرض مجموعة أجهزة القياس لإعلام السائق إذا لم يتم استيفاء واحد أو أكثر من الشروط.

3. عند استيفاء الحالات الواردة، سيظهر على شاشة عرض مجموعة أجهزة القياس "Release Brake" (حرر الفرامل).

4. اجعل السيارة باتجاه مستقيم وحرر الفرامل. سيكون نظام التحكم في الانطلاق نشطاً عندما تصل السيارة إلى سرعة 100 كم/ساعة (62 ميلاً/الساعة)، عند النقطة التي يعود فيها نظام التحكم في الاستقرار الإلكتروني (ESC) إلى وضع نظام التحكم في الاستقرار الإلكتروني (ESC) الحالي. يتوقف التحكم في الانطلاق قبل اكتمال الانطلاق وتظهر الرسالة "Launch Aborted" (تم إيقاف التحكم في الانطلاق) في مجموعة أجهزة القياس، في أي من الظروف التالية:

- تم تحرير دواسة الوقود أثناء الانطلاق.
- اكتشاف ESC (نظام التحكم في الاستقرار الإلكتروني) أن السيارة لم تعد تتحرك في خط مستقيم.
- الضغط على زر **ESC Off** (إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني) لتبديل النظام إلى وضع آخر.

ملاحظة:

لا يمكن ضبط إعداد **Launch Control RPM** (سرعة دوران المحرك للتحكم في الانطلاق) إلا عندما يكون نظام التحكم في الانطلاق **Launch Control** غير نشط. سيعود نظام التحكم في الاستقرار الإلكتروني (ESC) إلى وضع **ESC** الحالي بعدما يتم إلغاء التحكم في الانطلاق.

تنبيه!

لا تحاول نقل التروس عند دوران عجلات القيادة مع عدم تشغيل الجر. حيث قد يحدث تلف لناقل الحركة.

لضبط **Launch RPM** (عدد الدورات في الدقيقة عند الانطلاق)، اسحب شريط التمرير، أو اضغط على الأسهم الموجودة على شاشة اللمس، لضبط عدد الدورات في الدقيقة. حد عدد دورات المحرك عند الانطلاق هو بين الحدين الأدنى والأقصى لعدد دورات المحرك الموضحين على المقياس، بزيادات قدرها 100 دورة/دقيقة.



تنشيط ميزة Launch Control (التحكم في الانطلاق)

مرة. النظام ليس مصممًا لتعويض نقص خبرة السائق أو نقص معرفته بمسار السباق. قد يتسبب استخدام هذه الميزة في ظروف الجر المنخفضة (البرودة، الرطوبة، الحصى، وغيرها) في زيادة انزلاق العجلة خارج تحكم الأنظمة مما يتسبب في إيقاف الانطلاق.

شروط مسبقة:

- يجب ألا يستخدم التحكم في الانطلاق على الطرق العامة. تحقق دائمًا من ظروف السحب والمنطقة المحيطة.
- لا يتوفر وضع التحكم في الانطلاق في أول 500 ميل (805 كم) من تليين المحرك.
- يجب أن يستخدم نظام Launch Control (التحكم في الانطلاق) عندما يكون المحرك وناقل الحركة في درجة حرارة التشغيل فقط.
- تم تصميم Launch Control (التحكم في الانطلاق) للاستخدام على الطرق الجافة الأسفلتية فقط.
- لن تتوفر ميزة Launch Control (التحكم في الانطلاق) عند تنشيط 4WD LOW (الدفع الرباعي المنخفض) أو أثناء التشغيل في وضع Valet (الخدم).
- يتوفر Launch Control (التحكم في الانطلاق) عند اتباع الإجراءات التالية فقط:

اضغط على علامة تبويب Race Options (خيارات السباق) على شاشة اللمس لعرض شاشة Launch Control (التحكم في الانطلاق). ضمن Race Options (خيارات السباق)، يمكنك تنشيط قيم عدد الدورات في الدقيقة وإلغاء تنشيطها وضبطها لميزات Launch Control (التحكم في الانطلاق) و Race Cooldown (التبريد في السباق) و Shift Light (ضوء النقل) صفحة ٢٧١.

التحكم في الانطلاق

تحذير!

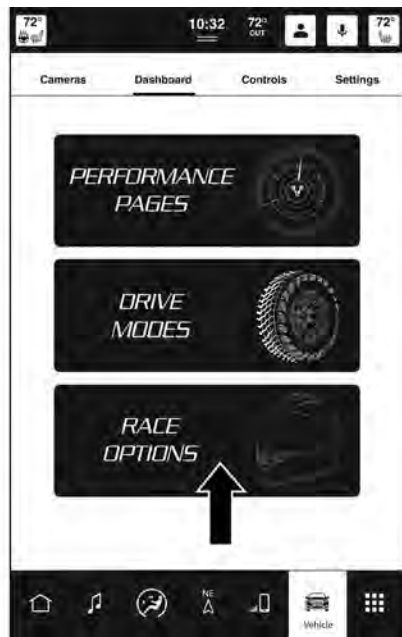
تم تصميم نظام التحكم في الانطلاق للاستخدام على الطرق غير السريعة أو الطرق غير الممهدة ولا يجب استخدامه على أية طرق عامة. وينصح باستخدام هذه الميزة في بيئة محكمة وفي حدود القانون. يجب عدم استغلال قدرات السيارات التي تم قياسها من خلال صفحات الأداء بطريقة متهوره أو خطيرة قد تعرض سلامة السائق أو سلامة الآخرين للخطر. فالسائق المنتبه والماهر والحذر هو الوحيد الذي يمكنه تجنب وقوع الحوادث.

إذا كانت السيارة مزودة بنظام Launch Control (التحكم في الانطلاق) وهو مصمم للسماح للسائق بالوصول إلى أقصى تسارع للسيارة في خط مستقيم. يعد نظام Launch Control (التحكم في الانطلاق) شكلًا من أشكال التحكم في الجر الذي يدير انزلاق الإطار أثناء انطلاق السيارة. هذه الميزة مصممة للاستخدام أثناء أحداث السباقات على حلبة مغلقة حيث يتطلب قطع مسافة 1/4 ميل بسرعة ثابتة وبعدها مرات يتراوح ما بين 0 و 60

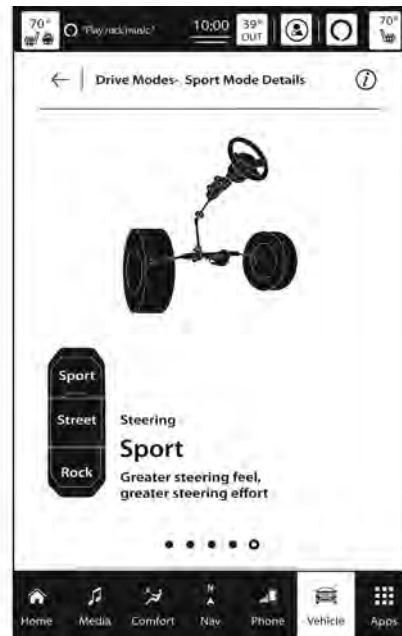
التوجيه

- **Sport (الرياضة):** يضبط جهد التوجيه والشعور بمستوى أعلى.
- **Street (الشارع):** يوازن بين تأثير التوجيه والراحة.
- **Rock (الصخور):** يوفر جهدًا وتأثير توجيه أكبر لتحسين التحكم.

خيارات السباق



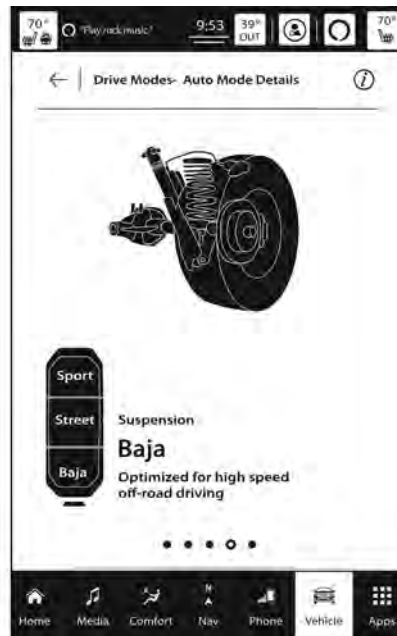
خيارات السباق



التوجيه

- **Sport (الرياضة):** يوفر شدة تعليق أكثر ثباتًا مع التخلي عن الراحة بدرجة متوسطة.
- **Street (الشارع):** يوفر توازنًا بين شدة التعليق والراحة عند الركوب من أجل القيادة اليومية النموذجية.
- **Baja:** يحسن القيادة بسرعة عالية على الطرق غير الممهدة.

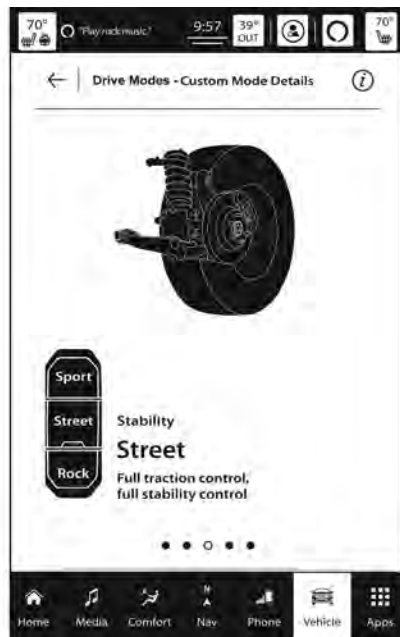
التعليق



التعليق

- **Sport (الرياضة):** يوفر تحكمًا أقل في الاستقرار.
- **Street (الشارع):** يوفر تحكمًا كاملاً (افتراضيًا) في الاستقرار.
- **Full (الكامل):** يوفر التحكم في الجر والتحكم في الاستقرار الأمثل للظروف الزلقة.
- **Baja:** يحسن نظام الفرامل المانعة للانغلاق (ABS) والتحكم في الجر والتحكم في الاستقرار لتوفير قيادة عالية السرعة على الطرق غير الممهدة.
- **Rock (الصخور):** يحسن التحكم في الجر لتوفير القيادة/التحرك بسرعة منخفضة على الطرق غير الممهدة.

التحكم في الاستقرار



التحكم في الاستقرار

- **ON (التشغيل):** يقوم بتمكين أذرع التبدل في عجلة القيادة.
- **Off (إيقاف التشغيل):** يقوم بتعطيل أذرع التبدل في عجلة القيادة.

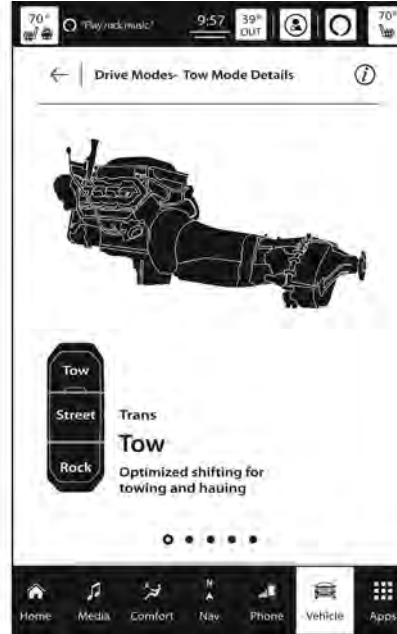
Paddle Shifters (أذرع التبدل)



Paddle Shifters (أذرع التبدل)

ناقل الحركة

- **Sport (الرياضة):** سرعات نقل أعلى مع التخلي عن الراحة قليلاً.
- **Tow (السحب):** يعمل على تحسين النقل لمناسبة السحب والجر.
- **Snow (الثلوج):** لتحسين النقل لمناسبة ظروف الجر المنخفض.
- **Street (الشارع):** يوفر توازن سرعة نقل التروس والراحة عند القيادة اليومية النموذجية.
- **Baja:** يجري عمليات نقل فائقة لضمان الأداء على الطرق غير الممهدة.
- **Rock (الصخور):** النقل المُحسّن لاجتياز التضاريس الصخرية.



ناقل الحركة

يمكن تحديد Custom Mode (الوضع المخصص) بالضغط على زر Custom (تخصيص) على شاشة اللمس أو بالضغط على زر TRX مرتين في غضون ثانيتين. يسمح لك وضع Custom (مخصص) بإنشاء تكوين مخصص محفوظ للتحديد السريع الخاص بإعداداتك المفضلة. أثناء تنشيط وضع Custom (مخصص)، يتم عرض إعدادات ناقل الحركة والدواسات والتوجيه والاستقرار والتعليق في التهيئة الحالية. أثناء عرض شاشة وضع Custom (مخصص)، اضغط على زر Custom Setup (إعداد الوضع المخصص) على شاشة اللمس للوصول إلى خيارات صفحة الإعداد. حدد أي وضع مناسب لاحتياجات قيادتك للاستمتاع بتجربة قيادة مخصصة.

معلومات إعداد وضع القيادة

أثناء عرض شاشة Drive Mode Set-Up (إعداد وضع القيادة)، اضغط على زر info (المعلومات) على شاشة اللمس ثم استخدم السهم Left/Right (يسار/يمين) أسفل شاشة اللمس للتمرير بين كل أنظمة وضع Drive (القيادة) المتاحة، ما يوفر لك وصفاً لتشغيلها وتثبيتها الحالية.

ملاحظة:

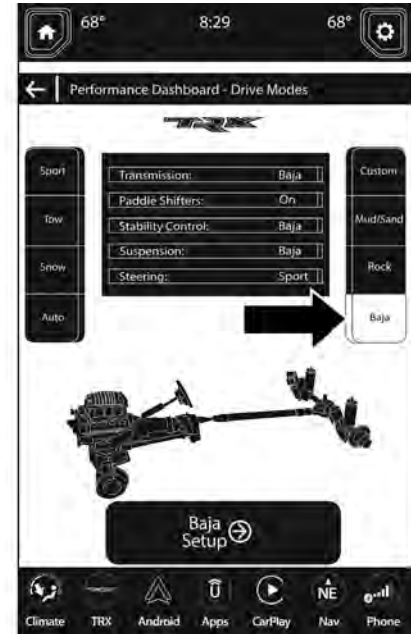
ليست كل المستويات قابلة للضبط في كل إعداد لوضع Drive (القيادة).

Baja

يؤدي تحديد "Baja" على شاشة اللمس إلى تنشيط وضع Baja للقيادة على الطرق غير الممهدة بسرعة عالية. تم ضبط ناقل الحركة والتعليق والاستقرار على وضع Baja. تم ضبط التوجيه على وضع Sport (الرياضة). تم تمكين أزرع التبديل.

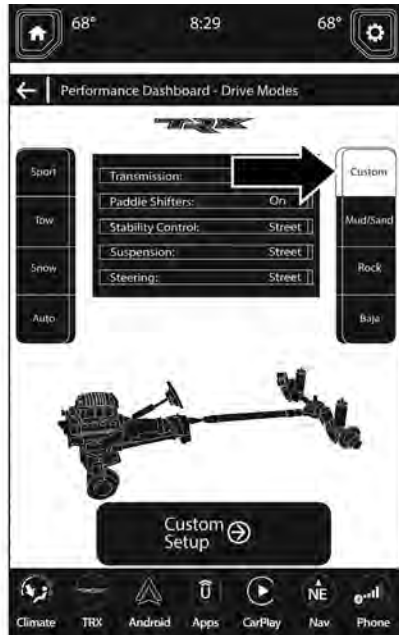
ملاحظة:

لا يتوفر وضع Baja في نطاق 4WD LOW (الدفع الرباعي المنخفض).



أوضاع القيادة (Baja)

وضع CUSTOM (مخصص)



أوضاع القيادة (Custom) (مخصص)

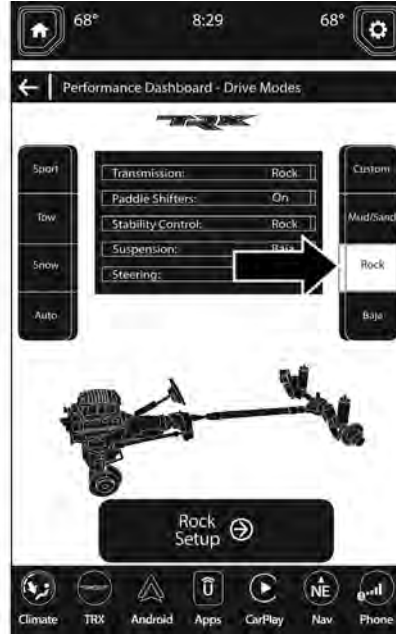
يؤدي تحديد وضع "Rock" (الصخور) على شاشة اللمس إلى تنشيط وضع Rock (الصخور) للاستخدام على الأسطح الصخرية. تم ضبط ناقل الحركة والثبات على وضع Sport (الرياضة). تم ضبط التوجيه على وضع Rock (الصخور). يتم ضبط التعليق على وضع Baja. تم تمكين أذرع التبديل.

ملاحظة:

يجب أن تكون السيارة في وضع (4WD LOW) الدفع الرباعي المنخفض للوصول إلى وضع Rock (الصخور).

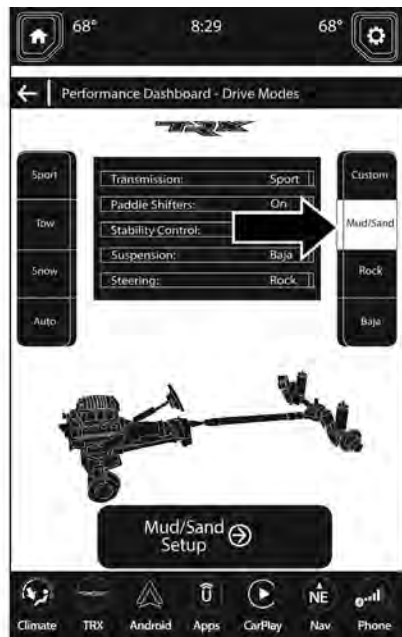
Rock

يؤدي تحديد وضع "Mud/Sand" (الطين/الرمال) على شاشة اللمس إلى تنشيط وضع Mud/Sand (الطين/الرمال) للاستخدام في الظروف الطينية أو الرملية. تم ضبط ناقل الحركة على وضع Sport (الرياضة) وضبط الاستقرار على وضع Sport (الرياضة) وضبط التعليق على وضع Baja، وضبط التوجيه على وضع Rock (الصخور). تم تمكين أذرع التبديل.



أوضاع القيادة (Rock)

Mud/Sand (الوحل/الرمال)



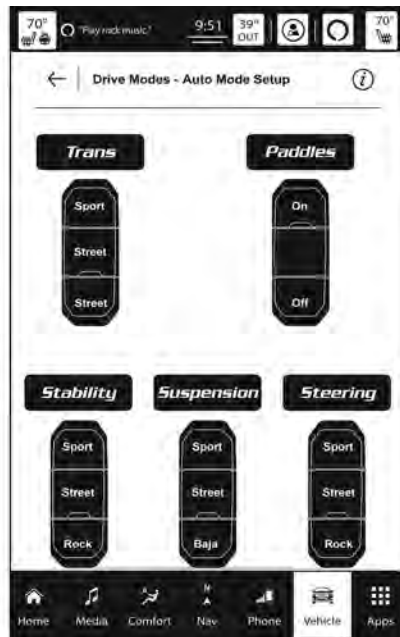
أوضاع القيادة (الوحل/الرمال)

- Mud/Sand (الوحل/الرمال) — 1
 Rock (الصخور) — 2
 Baja — 3

وضع الطرق غير الممهدة



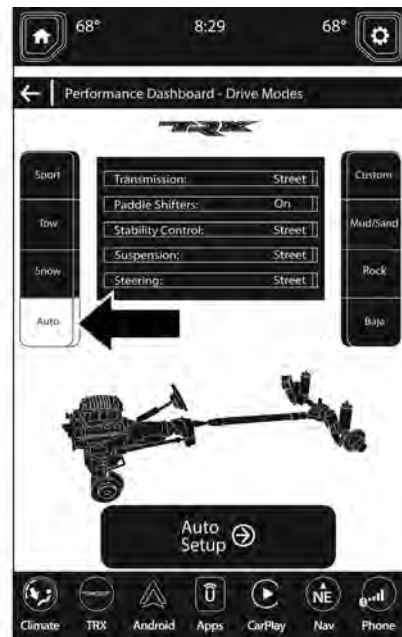
أوضاع القيادة على الطرق غير الممهدة



إعداد الوضع التلقائي

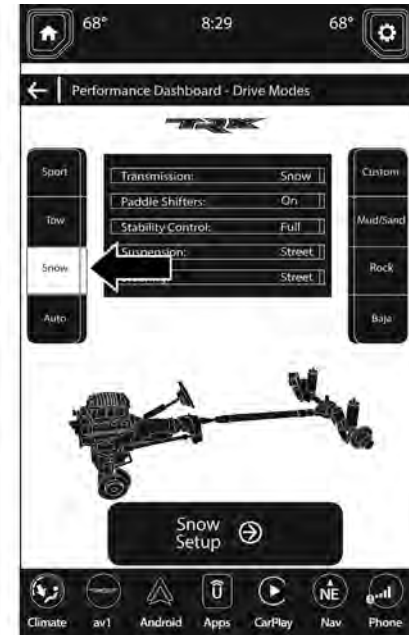
يتم تمكين الوضع الأوتوماتيكي عند تشغيل مفتاح التشغيل أثناء التواجد في وضع 4WD AUTO (الدفع الرباعي الأوتوماتيكي) أو 4WD HIGH (الدفع الرباعي العالي) أو بتحديد "Auto" (أوتوماتيكي) على شاشة اللمس. تم ضبط ناقل الحركة والتحكم في الاستقرار والتعليق والتوجيه على Street (الشارع). تم تمكين أذرع التبديل.

وضع Auto (أوتوماتيكي)



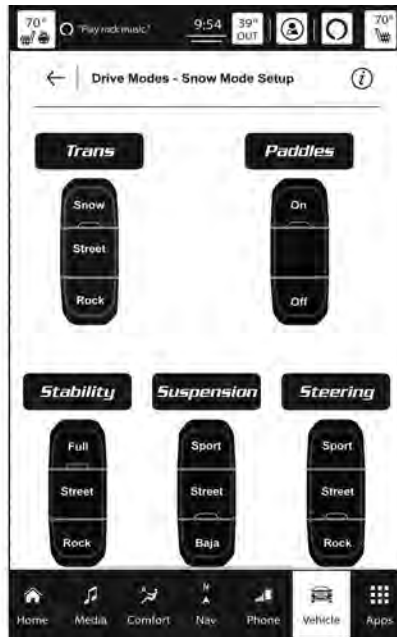
الأوضاع التلقائية للقيادة (الافتراضية)

وضع Snow (الثلج)

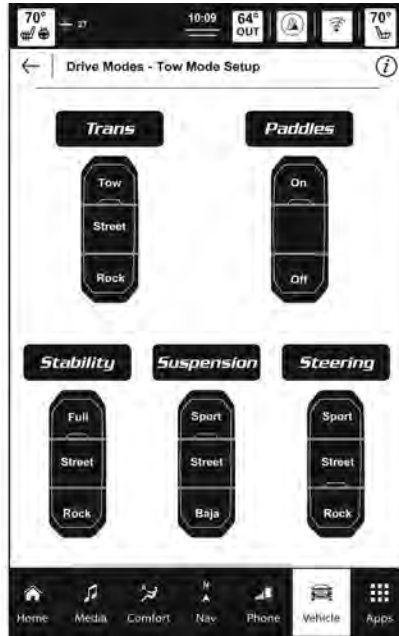


أوضاع القيادة (الثلج)

سيؤدي تحديد وضع "Snow" (الثلج) على شاشة اللمس إلى تنشيط وضع الثلج لاستخدامه على الأسطح منخفضة الجر. عند وجودك في وضع Snow (الثلج) (وفقًا لظروف تشغيل معينة)، سوف ينتقل ناقل الحركة ميكروًا مقارنة بالأوضاع الأخرى، الأمر الذي يبقي عزم العجلة منخفضًا لتقليل انزلاق العجلات لأدنى درجة. تم ضبط ناقل الحركة على وضع Snow (الثلج)، وضبط Full (الكامل)، وضبط التوجيه والتعليق على وضع Street (الشارع). تم ضبط أذرع التبديل على "On" (تشغيل) بشكل افتراضي، ولكنها قابلة للضبط.



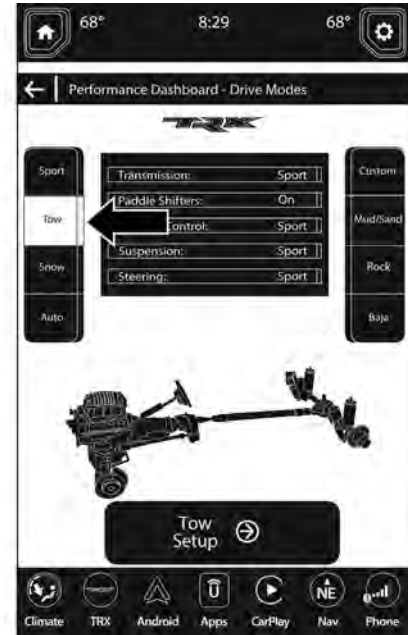
إعداد وضع الثلج



Tow Mode Set-Up (إعداد وضع السحب)

سيؤدي تحديد "Tow" (السحب) في شاشة اللمس إلى تنشيط التهيئة لسحب مقطورة أو سحب أحمال ثقيلة في منطقة الحمولة. عند تنشيط هذا الوضع، يتم تمكين التحكم في تارجح المقطورة في نظام التحكم في الاستقرار الإلكتروني (ESC). يتم ضبط Transmission (ناقل الحركة) على وضع Tow (السحب) وضبط Stability Control (التحكم في الاستقرار) على Full (كامل) وضبط Steering (التوجيه) على Street (الشارع) وضبط Suspension (التعليق) على Sport (الرياضة). تم تمكين أذرع التبديل.

وضع Tow (السحب)



أوضاع القيادة (وضع Tow (السحب))

وضع Sport (القيادة الرياضية)

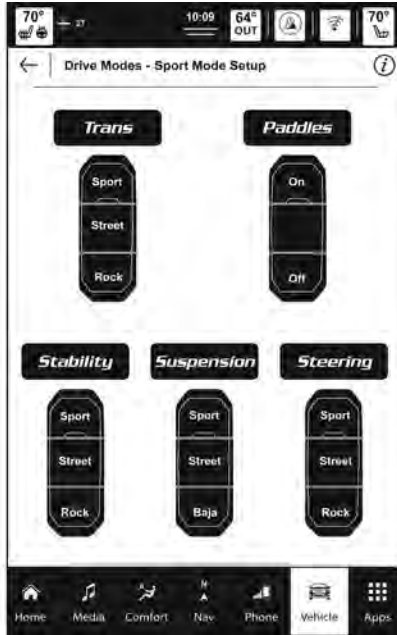


أوضاع القيادة (وضع Sport (الرياضة))

يؤدي تحديد "Sport" (الرياضة) على شاشة اللمس إلى تنشيط التهيئة للقيادة الرياضية النموذجية. يتم ضبط كل أنظمة ناقل الحركة والتحكم في الاستقرار والتوجيه والتعليق على إعدادات وضع "Sport" (الرياضة) المميزة باللون الأحمر. يتم تمكين أزرع التبديل.

ملاحظة:

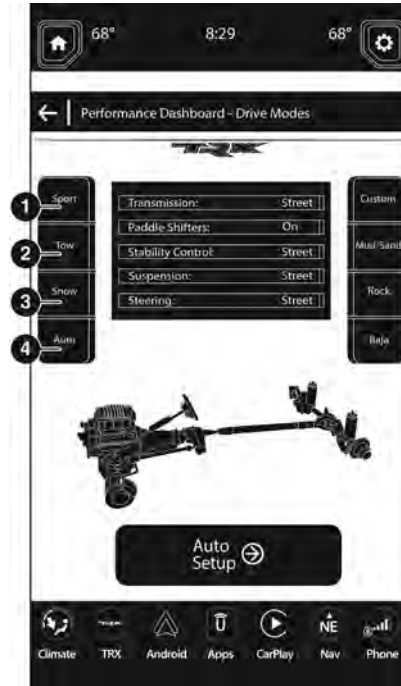
لا يتوفر وضع Sport (الرياضة) إذا كانت علبة النقل في وضع 4WD LOW (الدفع الرباعي المنخفض).



إعداد وضع Sport (الرياضة)

- 1 Sport — (الرياضي)
- 2 Tow — (السحب)
- 3 Snow — (الثلج)
- 4 Auto — (الأوتوماتيكي)

وضع الطرق الممهدة



أوضاع القيادة على الطرق الممهدة

لكل نظام، إلى جانب رسم السيارة الذي يعرض حالة أوضاع القيادة النشطة. يشير اللون الأحمر إلى وضع "Sport" (الرياضة) والأصفر إلى وضع "Street" (الشارع)، والأزرق الفاتح إلى وضع "Snow" (الثلج) والأرجواني إلى "Tow" (السحب) والبرتقالي إلى وضع "Baja". تتم إعادة ضبط هذه الميزات على تهيئة وضع القيادة AUTO (أوتوماتيكي) عند دورة التشغيل إذا كانت علية النقل في وضع 4WD AUTO (الدفع الرباعي الأوتوماتيكي) أو وضع 4WD HIGH (الدفع الرباعي العالي). في وضع 4WD LOW (الدفع الرباعي المنخفض)، بعد دورة التشغيل، يعود وضع القيادة إلى الوضع الذي كان نشطاً عندما تم إيقاف تشغيل السيارة آخر مرة. إذا لم تتطابق حالة النظام مع إعداد وضع القيادة الحالي، فسيتم عرض رسالة تشير إلى القيم غير المطابقة للوضع الحالي.

ملاحظة:

- لا يمكن تغيير قوائم إعداد وضعي Sport (الرياضة) و Tow (السحب).
- يمكن تهيئة بعض المعلومات في قوائم إعداد أوضاع Snow (الثلج) و Auto (أوتوماتيكي) و Mud/Sand (الوحل/الرمال) و Rock (الصخور) و Baja.
- يمكن تهيئة جميع الأنظمة الفرعية في شاشة Custom Mode Set-Up (إعداد الوضع المخصص) (باستثناء الاستقرار في وضع الصخور).

VEHICLE DYNAMICS (ديناميكيات السيارة)

تعرض صفحة Vehicle Dynamics (ديناميكيات السيارة) المعلومات المتعلقة بمجموعة الدفع والحركة في السيارة.

زاوية التوجيه - إذا كانت السيارة مزودة بذلك

تستخدم زاوية التوجيه مستشعر زاوية التوجيه لحساب درجة التوجيه بالنسبة إلى الزاوية المرجعية البالغة صفرًا (بشكل مستقيم). يشير قياس الزاوية المرجعية لدرجة الصفر إلى زاوية التوجيه الفعلية للإطار الأمامي.

علبة النقل

تتكون هذه الميزة نشطة عندما تكون السيارة إما في وضع 4WD HIGH (الدفع الرباعي العالي) أو 4WD AUTO (الدفع الرباعي الأوتوماتيكي) أو Neutral (اللاتشيق) أو 4WD LOW (الدفع الرباعي المنخفض).

ملاحظة:

لا يكون رمز lock (القفل) موجودًا على زر Transfer Case (علبة النقل) إلا عندما تكون السيارة في وضع 4WD LOW (الدفع الرباعي المنخفض).

قفل المحور الخلفي

سنتيح لك هذه الميزة قفل المحور الخلفي وإلغاء قفله. لتغيير الحالة، اضغط على زر AXLE LOCK (قفل المحور).

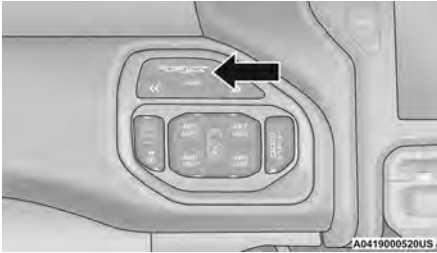
أوضاع القيادة

تأتي سيارتك مزودة بميزات Drive Modes (أوضاع القيادة) على الطرق الممهدة والطرق غير الممهدة، ما يسمح بتنسيق عمل أنظمة السيارة المختلفة بناءً على أسلوب القيادة المطلوب. يتم التحكم في ميزة Drive Modes (أوضاع القيادة) من خلال شاشة اللمس، ويمكن الوصول إليها بتنفيذ أي مما يلي:

- الضغط على زر Drive Modes (أوضاع القيادة) في علامة التبويب Dashboard في قائمة Vehicle (السيارة) في شاشة اللمس.
- يؤدي الضغط على مفتاح TRX الموجود على لوحة أجهزة القياس إلى عرض قائمة ميزات سيارة TRX على الوحدة الرئيسية، حيث يمكن تحديد واجهة وضع Drive (القيادة). يؤدي الضغط مرتين على زر TRX إلى تشييق وضع Custom Drive (أوضاع القيادة المخصصة) وبدء صفحة Custom Drive Modes (أوضاع القيادة المخصصة).
- الضغط على زري السهمين Left (يسار) و Right (يمين) أسفل زر TRX على لوحة أجهزة القياس.

ملاحظة:

يتيح لك الضغط على زر السهم Left (يسار) أو Right (يمين) التبديل بين الأوضاع المختلفة. كما ينعكس التبديل بين الأوضاع المختلفة على شاشة عرض مجموعة أجهزة القياس. إذا كانت واجهة وضع Drive (القيادة) مفتوحة بالفعل على شاشة اللمس، وتم الضغط على زر << أو >>، فسوف يظهر وضع Drive (القيادة) الذي تم تحديده على مجموعة أجهزة القياس على شاشة اللمس. لمزيد من المعلومات حول شاشة عرض مجموعة أجهزة القياس وتفاعلها مع أوضاع Drive (القيادة) ↩ صفحة ١١٩.



زر TRX (المزامنة)

تعرض شاشة Drive Modes (أوضاع القيادة) الرئيسية وضع القيادة الحالي وحالة تهيئة أداء السيارة في الوقت الفعلي. أوضاع القيادة القابلة للتحديد هي: "Sport" (الرياضة)، و "Tow" (السحب)، و "Snow" (الثلج)، و "Auto" (أوتوماتيكي)، و "Custom" (مخصص)، و "Mud/Sand" (الوحل/الرمال)، و "Rock" (الصخور)، و "Baja". ستشير المعلومات إلى حالة الفعلية

• اضغط على الزر "+" أو "-" لتغيير محفوظات المخطط. الخيارات القابلة للتحديد هي "30" و"60" و"90" و"120" ثانية. سيتم تمديد المخطط أو تقليصه وفقًا للإعداد المحدد.

• حدد إعداد عرض "Gear" (التروس) (إذا كانت السيارة مزودة بذلك) لتشغيل محددات التروس على الرسم البياني أو إيقاف تشغيلها.

ملاحظة:

لن يتم عرض ميزة تشغيل/إيقاف تشغيل التروس إلا إذا كانت السيارة مزودة بنقل الحركة الأوتوماتيكي.

المحرك

اضغط على زري السهمين Left (يسار) و Right (يمين) بالجزء السفلي من شاشة اللمس للتنقل بين صفحات الديناموميتر (Dyno) و Engine (المحرك). عند تحديدها، تعرض هذه الشاشة القيم التالية:

- **Vehicle Speed (سرعة السيارة):** يبين سرعة السيارة الفعلية.
- **Engine Power (طاقة المحرك):** لعرض الطاقة الفورية.
- **Engine Torque (عزم المحرك):** يعرض العزم الفوري.
- **Boost Pressure (ضغط التعزيز):** يعرض ضغط تعزيز المحرك الفعلي.
- **Gear (الترس):** يعرض ترس التشغيل الحالي (أو المعلق) في السيارة.

وجود نماذج متعددة في مرحلة ما، فسيتحول لون النقطة من الأزرق إلى الأحمر. سيتم عرض المتجهات الأكثر تكرارًا باللون الأحمر، وسيتم عرض المتجهات الأقل تكرارًا باللون الأزرق.

التأرجح والانزلاق

تعرض صفحة G-Force (قوة التسارع) مستوى التأرجح الحالي للسيارة (ارتفاع الزاوية وانخفاضها) والانزلاق (حركة الزاوية من جانب لآخر) بالدرجات. توفر مقاييس Pitch & Roll (التأرجح والانزلاق) عرضًا مرئيًا للزاوية الحالية للسيارة.

الديناموميتر (DYNO)/المحرك

الديناموميتر (Dyno)

سيبدأ النظام في رسم الرسوم البيانية للطاقة والعزم (المخطط العلوي) وسرعة المحرك (المخطط السفلي). سيتم ملء الرسم البياني في الجانب الأيسر من المحور السيني (x) وفي الجانب الأيمن من المحور السيني (x) (بناءً على وقت المحفوظات المحدد). بمجرد أن يتم الوصول إلى الجانب الأيمن من الصفحة، سيتم تمرير المخطط بحيث يكون الجانب الأيمن هو العينة المسجلة الأحدث.

يمكن تحديد الخيارات التالية:

- يؤدي الضغط على زر STOP (إيقاف) إلى إيقاف المخطط. سيؤدي تحديد "Play" (تشغيل) إلى مسح الرسم البياني وإعادة بدء العملية من البداية.

اضغط على سهم Left (يسار) أو Right (يمين) للتمرير عبر تفاصيل كل مقياس. يؤدي الضغط على زر التصغير قرب الرسم البياني إلى العودة إلى قائمة المقاييس.

قوة التسارع

عند تحديد G-Force (قوة التسارع)، سوف تتوافر الميزات التالية:

• Vehicle Speed (سرعة السيارة)

لقياس السرعة الحالية للسيارة بوحدة كم/ساعة أو ميل/ساعة، بدءًا من صفر وبدون وجود قيمة قصوى.

• قوة التسارع الأمامية

لقياس ذروة قوة الفرملة في الجزء الأمامي من السيارة.

• قوة التسارع اليميني

لقياس ذروة القوة على الجانب الأيمن من السيارة.

• قوة التسارع اليسرى

لقياس ذروة القوة على الجانب الأيسر من السيارة.

• قوة التسارع الخلفية

لقياس ذروة قوة التسارع على الجزء الخلفي من السيارة.

ملاحظة:

إن قوى التسارع الأمامية واليميني واليسرى والخلفية كلها قيم ذروة. يمكن إعادة ضبط تلك القراءات عن طريق مسح قوة التسارع الموجودة في مجموعة أجهزة القياس.

تعرض شاشة دائرة الاحتكاك قوة التسارع الحالية بصورة مميزة وقوة التسارع السابقة كنقاط داخل الدائرة. ويسجل النظام قوة التسارع السابقة لمدة ثلاث دقائق. في حالة

• إحدائيات خطوط الطول والعرض

• درجة الحرارة الخارجية

• Odometer (عداد المسافة)

فيما يلي شرح لكل ميزة وطريقة تشغيلها:

الموقتات

عند تحديد صفحة Timers (الموقتات) ستتمكن من عرض موقتات Drag (السحب) و Accel & Braking (التسارع والفرملة).

• Recent (الأخيرة)

ملخص في الوقت الفعلي لموقتات الأداء الخاصة بأحدث عملية تشغيل صالحة، أو حالة الاختبار الجاري.

• Last (الأخيرة)

آخر دورة تشغيل مُسجلة لموقتات الأداء.

• Best (الأفضل)

أفضل دورة تشغيل مسجلة لموقتات الأداء، فيما عدا بيانات الفرامل.

حفظ

يؤدي الضغط على زر SAVE (حفظ) إلى حفظ بيانات الموقت للمرة الحالية أو الأخيرة أو الأفضل التي تم تسجيلها على محرك أقراص USB محمول تم إدخاله.

تحتوي صفحات Timers (الموقتات) على:

• **Reaction Time** (وقت رد الفعل): يقيس وقت رد فعل السائق الوقت لبدء تشغيل السيارة في مقابل ضوء

توقيت شريط السحب المحاكى (يتم ضبط السلوك بعد

المرور من 500 شجرة) المعروض في شاشة عرض

مجموعة أجهزة القياس.

ملاحظة:

موقتات السحب (الأيمن، 20 مترًا [60 قدمًا]، و 100 متر [330 قدمًا]، و 200 متر [1/8 ميل]، و 300 متر [1000 قدم]، و 400 متر [1/4 ميل]) وموقتات التسارع (0-96 كم/ساعة [0-60 ميل/ساعة] و 0-160 كم/ساعة [0-100 ميل/ساعة]) ستكون جاهزة للحصول على قياسات البيانات الحديثة الجديدة عندما تكون السيارة عند سرعة 0 كم/ساعة (0 ميل/ساعة) والسيارة في وضع القيادة.

يعرض الموقت المدرج الوصول إلى الوقت المقيس المطلوب للتحرك بمقدار المسافة المحددة. تعرض أيضًا بعض الموقتات السرعات التي تم بلوغها عند اجتياز المسافة.

• 0-100 كم/ساعة (0-60 ميل/ساعة)

• 0-160 كم/ساعة (0-100 ميل/ساعة)

• الوقت المُقدَّر لمسافة 20 مترًا (60 قدمًا)

• الوقت المُقدَّر لمسافة 100 متر (330 قدمًا)

• 1/8 ميل (200 متر) + الوقت المُقدَّر

• 1/8 ميل (200 متر) + السرعة بالميل في الساعة

• الوقت المُقدَّر لمسافة 300 متر (1000 قدم)

• 1/4 ميل (400 متر) + الوقت المُقدَّر

• 1/4 ميل (400 متر) + السرعة بالميل في الساعة

• مسافة الفرامل بالمتر (القدم)

ملاحظة:

يتم إلغاء قياس المسافة إذا تم تحرير دواسة الفرامل أو فرامل التوقف قبل توقف السيارة تمامًا.

• السرعة بوحدة كم/ساعة (ميل/ساعة) عند الضغط على الفرامل

ملاحظة:

تعرض مسافة الفرامل وموقتات السرعة كلمة "ready" (جاهز) عند سير السيارة بسرعة تزيد عن 48 كم/ساعة (30 ميل/ساعة) فقط.

المقاييس

عند تحديدها، تعرض هذه الشاشة القيم التالية:

• Coolant Temperature (درجة حرارة سائل التبريد)

تعرض درجة حرارة سائل التبريد الفعلية.

• Oil Temperature (درجة حرارة الزيت)

يعرض درجة حرارة الزيت الفعلية.

• ضغط الزيت

يعرض ضغط الزيت الفعلي.

• Trans Temp (درجة حرارة ناقل الحركة)

لعرض درجة حرارة زيت ناقل الحركة الفعلية.

• Battery Voltage (فولتية البطارية)

تعرض فولتية البطارية الفعلية.

• Intake Air Temp (درجة حرارة هواء السحب)

يعرض درجة حرارة هواء السحب الفعلية.

إذا تم تحديد مقياس، فستظهر صفحة عرض تفاصيل المقياس على الشاشة. تعرض هذه الصفحة قيم المقياس للدقيقتين السابقتين على المقياس المحدد.

الوصف	اسم الإعداد
سيؤدي هذا الإعداد إلى إعادة كل الإعدادات التي تم تغييرها من قبل إلى افتراضيات المصنع الخاصة بها.	Restore Settings to Default (إعادة الإعدادات إلى الإعدادات الافتراضية)
سيعرض هذا الإعداد رسالة منبقة توفر لك خيار مسح كل البيانات الشخصية من النظام، بما في ذلك أجهزة Bluetooth® والإعدادات مسبق الضبط.	Clear Personal Data (مسح البيانات الشخصية)
سيتيح لك هذا الإعداد إعادة ضبط كلمة مرور Wi-Fi السيارة الخاصة بعرض الهاتف الذكي. الخيارات المتاحة هي "Yes" (نعم) و"Cancel" (إلغاء). يمكن أيضًا الضغط على الزر X لإلغاء الشاشة.	Reset Wi-Fi Password For Projection (إعادة ضبط كلمة مرور Wi-Fi للعرض)
سيعيد هذا الإعداد الراديو إلى إعدادات المصنع الافتراضية الخاصة به.	Factory Reset (إعادة الضبط على إعدادات المصنع)

- Dyno/Engine (الديناموميتر/المحرك)
- Vehicle Dynamics (ديناميكيات السيارة)

Snapshot (لقطة الشاشة)

تتيح لك ميزة Snapshot (لقطة الشاشة) التقاط لقطة شاشة لأي صفحة. يمكن حفظ المعلومات على جهاز USB.

لالتقاط لقطة شاشة، تأكد من توصيل جهاز USB بالسيارة. بعد ذلك، اضغط على رمز Snapshot (لقطة الشاشة) الموجود في الزاوية السفلية اليسرى من شاشة اللمس.

سيتم حفظ الملف على جهاز USB. عندما يتم التقاط لقطة شاشة، سيتم استبدال الشريط السفلي في شاشة اللمس بالبيانات المحفوظة من السيارة والموجودة في وقت الضغط على رمز snapshot (لقطة الشاشة). سيتم عرض المعلومات التالية:

- Date (التاريخ)
- رقم تعريف السيارة VIN

تحذير!

تم تصميم قياس إحصائيات السيارة من خلال صفحات الأداء للاستخدام على الطرق غير السريعة أو غير الممهدة فقط ولا يجب استخدامه على أية طرق عامة. وينصح باستخدام هذه الميزات في بيئة محكمة وفي حدود القانون. يجب عدم استغلال قدرات السيارات التي تم قياسها من خلال صفحات الأداء بطريقة متهورة أو خطيرة قد تعرض سلامة السائق أو سلامة الآخرين للخطر. فالسائق المنتبه والماهر والحذر هو الوحيد الذي يمكنه تجنب وقوع الحوادث.

تشمل صفحات الأداء ما يلي:

- الموقتات
- المقاييس
- قوة التسارع
- التآرجح والانزلاق

صفحات الأداء — إذا كانت السيارة مزودة بذلك

Performance Pages (صفحات الأداء) هي عبارة عن تطبيق يوفر عرضًا لمؤشرات الأداء، الأمر الذي سوف يساعدك على التعرف على قدرات السيارة في الوقت الفعلي.

للوصول إلى صفحات الأداء، اضغط على زر Vehicle (السيارة) على شاشة اللمس. ثم اضغط على علامة التوبيو Performance (الأداء). اضغط على الزر المطلوب على شاشة اللمس للوصول إلى هذه صفحة الأداء المحددة.

تحديثات البرنامج

عند الضغط على زر Software Updates (تحديثات البرامج) على شاشة اللمس، سيعرض النظام الإعداد المرتبط بتحديث برنامج Uconnect.

ملاحظة:

تبعاً لخيارات السيارة، قد تختلف إعدادات الميزات.

اسم الإعداد	الوصف
تنزيلات البرامج عبر Wi-Fi	سيُسمح هذا الإعداد بإجراء تحديثات للبرنامج عبر Wi-Fi. الخيارات القابلة للتحديد للإعداد هي "On" (التشغيل) و "Off" (إيقاف التشغيل).

Reset/Restore Settings To Default (إعادة ضبط/استعادة الإعدادات إلى الإعدادات الافتراضية)

عند الضغط على زر Reset/Restore Settings To Default (إعادة ضبط/استعادة الإعدادات إلى الإعدادات الافتراضية) من شاشة اللمس، سيعرض النظام الخيارات المرتبطة بإعادة ضبط نظام Uconnect إلى الإعدادات الافتراضية. بإمكان تلك الإعدادات مسح البيانات الشخصية وإعادة ضبط الإعدادات المحددة من القوائم الأخرى.

ملاحظة:

تبعاً لخيارات السيارة، قد تختلف إعدادات الميزات.

اسم الإعداد	الوصف
Restart Radio (إعادة تشغيل الراديو)	سيؤدي هذا الإعداد إلى إعادة تشغيل الراديو.
Reset Performance Values (إعادة ضبط قيم الأداء)	سيؤدي هذا الإعداد إلى إعادة ضبط قيم أداء السيارة.
Reset Apps Drawer To Default Order (إعادة ضبط درج التطبيقات على الترتيب الافتراضي)	سيؤدي هذا الإعداد إلى إعادة درج التطبيقات إلى الترتيب الافتراضي. الخيارات المتاحة هي "Yes" (نعم) و "Cancel" (إلغاء). يمكن أيضاً الضغط على الزر X لإلغاء الشاشة.

Notifications (الإشعارات)

عند الضغط على زر Notifications (الإشعارات) على شاشة اللمس، يعرض النظام الخيارات المرتبطة بإشعارات النظام.

ملاحظة:

تبعاً لخيارات السيارة، قد تختلف إعدادات الميزات.

الوصف	اسم الإعداد
يقوم هذا الإعداد بتشغيل رسالة App Favored (تمت إضافة التطبيق إلى المفضلة) المنبثقة أو إيقاف تشغيلها.	App Drawer Favoriting Pop-ups (رسائل التفضيل المنبثقة في درج التطبيقات)
يقوم هذا الإعداد بتشغيل رسالة App Unfavored (تم إلغاء إضافة التطبيق إلى المفضلة) المنبثقة أو إيقاف تشغيلها.	App Drawer Unfavoriting Pop-ups (رسائل إلغاء التفضيل المنبثقة في درج التطبيقات)
يقوم هذا الإعداد بتشغيل تلقي/تخزين الرسائل المنبثقة للرسائل النصية الجديدة من أي هاتف متصل أو إيقاف تشغيله.	New Text Message Pop-ups (الرسائل المنبثقة للرسائل النصية الجديدة)
يقوم هذا الإعداد بتشغيل تلقي/تخزين الرسائل المنبثقة للمكالمات الفائتة من أي هاتف متصل أو إيقاف تشغيله.	Missed Calls Message (رسالة المكالمات الفائتة)
يقوم هذا الإعداد بتشغيل تلقي/تخزين الرسائل المنبثقة للملاحة التنبؤية أو إيقاف تشغيله.	Navigation Pop-Ups (رسائل الملاحة المنبثقة)

Audio (الصوت)

عند الضغط على زر Audio (الصوت) على شاشة اللمس، سيعرض النظام خيارات مرتبطة بنظام الصوت بالسيارة. بإمكان هذه الإعدادات تغيير مكان الصوت في السيارة، وضبط مستويات صوت الجهيير أو الصوت الثلاثي، وإعدادات التشغيل التلقائي من جهاز صوت أو هاتف ذكي.

ملاحظة:

تبعًا لخيارات السيارة، قد تختلف إعدادات الميزات.

الوصف	اسم الإعداد
سيضبط هذا الإعداد مستويات الصوت من سماعات معينة في أمام/خلف ويمين/يسار السيارة. يمكن تحريك رمز السماع لضبط موقع الصوت.	Balance/Fade (التوازن/الخفت)
سيضبط هذا الإعداد نطاقات "Bass" (الجهيير)، و"Mid" (الصوت المتوسط)، و"Treble" (الصوت الثلاثي).	Equalizer (المعادل)
سيضبط هذا الإعداد مستوى الصوت مع زيادة السرعات. في الإعداد المرتفع، سيزداد مستوى الصوت مع ازدياد سرعة السيارة. الإعدادات المتاحة هي "Off" (إيقاف التشغيل)، و"1"، و"2" و"3".	Speed Adjusted Volume (مستوى الصوت المعدل حسب السرعة)
سيؤدي هذا الإعداد إلى تشغيل أو إيقاف تشغيل نظام Surround Sound (الصوت المحيطي).	الصوت المحيطي
سيقوم هذا الإعداد بضبط مستويات الصوت من جهاز متصل عبر منفذ AUX. الإعدادات المتاحة هي "+" و"-".	AUX Volume Offset (إزاحة مستوى صوت الجهاز الإضافي)
سيبدأ هذا الإعداد تشغيل الصوت أوتوماتيكيًا من الجهاز المتصل.	Auto Play (التشغيل الأوتوماتيكي)
سيحسن هذا الإعداد جودة الصوت عن مستويات الصوت المنخفضة.	Loudness (علو الصوت)

الوصف	اسم الإعداد
سيعرض هذا الإعداد رسائل التعليق في شاشة مجموعة أجهزة القياس. سيعرض إعداد "All" (الكل) جميع الرسائل المتوفرة. وسيعرض إعداد "Warnings Only" (التحذيرات فقط) رسائل التحذير فقط.	Display Suspension Messages (عرض رسائل التعليق)
سيؤدي هذا الإعداد إلى ضبط ارتفاع ركوب السيارة حسب سرعة السيارة.	الوضع الهوائي
سيؤدي هذا الإعداد إلى تعطيل نظام التعليق الهوائي للمساعدة على تغيير الإطار الاحتياطي.	Tire Jack Mode (وضع رافعة الإطار)
يؤدي هذا الإعداد إلى خفض السيارة إلى ارتفاع الدخول/الخروج ثم تعطيل نظام التعليق الهوائي للسحب المسطح.	وضع (النقل) Transport
يجب تنشيط هذا الإعداد قبل إجراء محاذاة العجلات، الأمر الذي سيؤدي إلى تحريك السيارة إلى ارتفاع الركوب العادي ثم تعطيل نظام التعليق الهوائي. اتصل بالوكيل المعتمد للحصول على مزيد من المعلومات.	وضع Wheel Alignment (محاذاة العجلات)
يوجد ثلاثة أوضاع للتعليق الهوائي مصممة لحماية النظام في المواقف الفريدة. يتم تحديد وضع الإطار/الرافعة للمساعدة في تغيير الإطار الاحتياطي. يتم تحديد وضع النقل للمساعدة عندما يتم سحب السيارة على شاحنة مسطحة. يتم تحديد Wheel Alignment Mode (وضع محاذاة العجلات) قبل إجراء محاذاة العجلات. اتصل بالوكيل المعتمد للحصول على مزيد من المعلومات.	أوضاع التعليق الهوائي رباعية الزوايا

مفاتيح AUX (الأجهزة الإضافية)

عند الضغط على زر مفاتيح AUX (الأجهزة الإضافية) على شاشة اللمس، سيعرض النظام الخيارات المرتبطة بمفاتيح AUX (الأجهزة الإضافية) الستة في السيارة:

ملاحظة:

تبعاً لخيارات السيارة، قد تختلف إعدادات الميزات.

الوصف	اسم الإعداد
سيضبط هذا الإعداد النوع ومصدر الطاقة لمفاتيح AUX (الأجهزة الإضافية) الستة في السيارة. يوجد نوعان: "Latching" (تثبيت) و "Momentary" (لحظي). يمكن ضبط مصدر طاقة مفاتيح AUX (الأجهزة الإضافية) لإيقاف تشغيل "Battery" (البطارية) أو من "Ignition" (الإشعال). بالإضافة إلى ضبط النوع ومصدر الطاقة، يمكنك ضبط ما إذا كانت السيارة ستقوم باستعادة الحالة السابقة المضبوطة لمفاتيح AUX (الأجهزة الإضافية). يمكن ضبط إعداد Recalled Last State (استدعاء آخر حالة) على "On" (تشغيل) أو "Off" (إيقاف التشغيل). يتم استيفاء ظروف آخر حالة عندما يتم ضبط النوع على القفل وضبط مصدر الطاقة على مفتاح الإشعال فقط.	AUX 1-6

Key Off Options (خيارات إيقاف تشغيل المفتاح)/Engine Off Options (خيارات إيقاف تشغيل المحرك)

عند الضغط على زر Key Off Options (خيارات إيقاف تشغيل المفتاح)/Engine Off Options (خيارات إيقاف تشغيل المحرك) من شاشة اللمس، سيعرض النظام الخيارات المرتبطة بإيقاف تشغيل السيارة. سيتم تنشيط هذه الإعدادات عند ضبط الإشعال على OFF (إيقاف التشغيل) فقط.

ملاحظة:

تبعاً لخيارات السيارة، قد تختلف إعدادات الميزات.

الوصف	اسم الإعداد
يُضبط هذا الإعداد المقاعد للتسهيل من الخروج من السيارة.	Easy Exit Seat (مقعد الخروج السهل)
سيؤدي هذا الإعداد إلى الحفاظ على تشغيل بعض الميزات الكهربائية بعد إيقاف تشغيل المحرك. عند فتح أي باب، سيتم إلغاء تنشيط الإلكترونيات. الإعدادات المتاحة هي "0 sec" (0 ثانية)، و"45 sec" (45 ثانية)، و"5 min" (5 دقائق)، و"10 min" (10 دقائق).	Key Off Power Delay/Engine Off Power Delay (تأخير إيقاف تشغيل طاقة المفتاح/تأخير إيقاف تشغيل طاقة المحرك)
سيتيح لك هذا الإعداد ضبط الوقت الذي تستغرقه المصابيح الأمامية لكي تنطفئ بعد إيقاف تشغيل السيارة. الإعدادات المتاحة هي "0 sec" (0 ثانية)، و"30 sec" (30 ثانية)، و"60 sec" (60 ثانية)، و"90 sec" (90 ثانية).	Headlight Off Delay (تأخير إطفاء الأضواء الأمامية)

التعليق/التعليق الهوائي

عند الضغط على زر Suspension/Air Suspension (التعليق/التعليق الهوائي) على شاشة اللمس، سيعرض النظام الإعدادات المرتبطة بالتعليق الهوائي في السيارة.

ملاحظة:

تبعاً لخيارات السيارة، قد تختلف إعدادات الميزات.

الوصف	اسم الإعداد
سيؤدي هذا الإعداد إلى إطلاق صوت آلة التنبيه عند الضغط على زر Lower (خفض) في حافظة المفاتيح.	صدور صوت آلة التنبيه عند خفض النوافذ عن بُعد
سيؤدي هذا الإعداد إلى تشغيل الأضواء عند الضغط على زر Lower (خفض) في حافظة المفاتيح.	وميض الأضواء عند خفض النوافذ عن بُعد

Seats & Comfort (المقاعد والراحة) / Auto-On Comfort Systems (أنظمة الراحة التلقائية)

عند الضغط على زر Seats & Comfort (المقاعد والراحة) / Auto-On Comfort Systems (أنظمة الراحة التلقائية) من شاشة اللمس، فسيعرض النظام الخيارات المرتبطة بأنظمة راحة السيارة عند تنشيط بدء التشغيل عن بُعد أو بدء تشغيل السيارة.

ملاحظة:

تبعًا لخيارات السيارة، قد تختلف إعدادات الميزات.

الوصف	اسم الإعداد
سيؤدي هذا الإعداد إلى تنشيط أنظمة الراحة في السيارة والمقاعد المسخنة أو عجلة القيادة المسخنة عند بدء تشغيل السيارة عن بُعد أو عند بدء تشغيل الإشعال. لن يؤدي الإعداد "Off" (إيقاف التشغيل) إلى تنشيط أنظمة الراحة. سيؤدي إعداد "Remote Start" (بدء التشغيل عن بُعد) إلى تنشيط أنظمة الراحة فقط عند استخدام بدء التشغيل عن بُعد. سيؤدي إعداد "All Start" (بدء تشغيل الكل) إلى تنشيط أنظمة الراحة عند بدء تشغيل السيارة.	Auto-On Driver Heated/Ventilated Seat & Heated Steering Wheel With Vehicle Start (مقعد السائق المسخن/المزود بفتحات تهوية وعجلة القيادة المسخنة أوتوماتيكيًا عند تشغيل السيارة)
سيؤدي هذا الإعداد إلى تحريك مقعد السائق تلقائيًا إلى الخلف عند إيقاف تشغيل المحرك. الإعدادات المتاحة هي "On" و "Off" (التشغيل وإيقاف التشغيل).	Easy Exit Seats (مقاعد الخروج السهل)

الوصف	اسم الإعداد
سيؤدي هذا الإعداد إلى إطلاق صوت آلة التنبيه عند الضغط على زر Lock (القفل) من حافظة المفاتيح. لن يؤدي الإعداد "Off" (إيقاف التشغيل) إلى إطلاق صوت آلة التنبيه عند الضغط على زر Lock (القفل). سيؤدي إعداد "1st Press" (الضغط الأول) إلى إطلاق صوت آلة التنبيه عند الضغط على زر Lock (القفل) مرة واحدة. سيؤدي إعداد "2nd Press" (الضغط الثانية) إلى إطلاق صوت آلة التنبيه عند الضغط على زر Lock (القفل) مرتين.	Sound Horn With Lock (صوت آلة التنبيه عند القفل)
سيؤدي هذا الإعداد إلى إطلاق صوت آلة التنبيه عند تنشيط بدء التشغيل عن بُعد من حافظة المفاتيح.	Sound Horn with Remote Start (صدور صوت آلة التنبيه عند بدء التشغيل عن بُعد)
سيؤدي هذا الإعداد إلى تغيير عدد مرات الضغط المطلوبة على زر Unlock (إلغاء القفل) من حافظة المفاتيح لإلغاء قفل كل الأبواب. سيؤدي إعداد "Driver Door" (باب السائق) إلى إلغاء قفل باب السائق فقط عند الضغط الأولى على زر Unlock (إلغاء القفل). سيؤدي إعداد "All Doors" (كل الأبواب) إلى إلغاء قفل كل الأبواب بضغط واحدة فقط على زر Unlock (إلغاء القفل).	Remote Door Unlock (إلغاء قفل الباب عن بُعد)، Door Lock (قفل الباب)/ 1st Press Off (إلغاء القفل عند الضغط الأولى من حافظة المفاتيح)
سيتيح لك هذا الإعداد تشغيل أو إيقاف تشغيل ميزة Passive Entry (الدخول غير النشط) (ميزة الحركة والتشغيل من دون مفتاح Keyless Enter 'n Go™).	Passive Entry (الدخول غير النشط)
سيؤدي هذا الإعداد إلى استدعاء محطات الراديو مسبقة الضبط وموضع مقعد السائق الذي تم ربطه بحافظة المفاتيح.	Personal Settings Linked To Key Fob (الإعدادات الشخصية المرتبطة بحافظة المفاتيح)

الفرامل

بعد الضغط على زر Brakes (الفرامل) على شاشة اللمس تكون الإعدادات التالية متاحة:

ملاحظة:

تبعاً لخيارات السيارة، قد تختلف إعدادات الميزات.

الوصف	اسم الإعداد
سيؤدي هذا الإعداد إلى تشغيل أو إيقاف تشغيل Auto Park Brake (فرامل التوقف الأوتوماتيكي).	Auto Park Brake (فرامل التوقف الأوتوماتيكي)
سيتيح لك هذا الإعداد ضم الفرامل لصيانتها.	Brake Service (صيانة الفرامل)

5

الأبواب والأقفال

عند الضغط على زر Doors & Locks (الأبواب والأقفال) من شاشة اللمس، سيعرض النظام الخيارات المرتبطة بفتح وإغلاق أبواب السيارة.

ملاحظة:

تبعاً لخيارات السيارة، قد تختلف إعدادات الميزات.

الوصف	اسم الإعداد
سيتيح لك هذا الإعداد تغيير قفل الأبواب أوتوماتيكيًا عندما تصل السيارة إلى سرعة 24 كم/الساعة (15 ميلاً/الساعة).	Auto Lock Doors (أقفال الأبواب الأوتوماتيكية)
سيؤدي هذا الإعداد إلى إلغاء قفل الأبواب عند فتح أي من الأبواب من الداخل.	Auto Unlock On Exit (إلغاء القفل الأوتوماتيكي عند الخروج)
سيتيح لك هذا الإعداد تشغيل أو إيقاف تشغيل وميض المصابيح عند الضغط على زر Lock (القفل) من حافظة المفاتيح.	Flash Lights With Lock (وميض الأضواء عند القفل)

المصابيح

عند الضغط على زر Lights (الأضواء) على شاشة اللمس، سيعرض النظام خيارات مرتبطة بالإضاءة الداخلية والخارجية للسيارة.

ملاحظة:

- عند تحديد ميزة "أضواء النهار"، يمكن تشغيل أضواء النهار أو إيقاف تشغيلها. وهذه الميزة يُسمح بها فقط بموجب القانون في البلد الذي تم شراء السيارة فيه.
- تبعاً لخيارات السيارة، قد تختلف إعدادات الميزات.

اسم الإعداد	الوصف
Headlight Off Delay (تأخير إطفاء الأضواء الأمامية)	سيتيح لك هذا الإعداد ضبط الوقت الذي تستغرقه المصابيح الأمامية لكي تنطفئ بعد إيقاف تشغيل السيارة. الإعدادات المتاحة هي "0 sec" (0 ثانية)، و"30 sec" (30 ثانية)، و"60 sec" (60 ثانية)، و"90 sec" (90 ثانية).
Headlight Illumination On Approach (إضاءة الأضواء الأمامية عند الاقتراب)	سيتيح لك هذا الإعداد ضبط الوقت الذي تستغرقه المصابيح الأمامية لكي تنطفئ بعد إلغاء قفل السيارة. الإعدادات المتاحة هي "0 sec" (0 ثانية)، و"30 sec" (30 ثانية)، و"60 sec" (60 ثانية)، و"90 sec" (90 ثانية).
Headlights with Wipers (الأضواء الأمامية مع الماسحات)	سيؤدي هذا الإعداد إلى تشغيل المصابيح الأمامية عند تنشيط الماسحات.
Daytime Running Lights (أضواء النهار)	سيتيح لك هذا الإعداد تشغيل أضواء النهار أو إيقاف تشغيلها.
Flash Lights With Lock (وميض الأضواء عند القفل)	سيتيح لك هذا الإعداد تشغيل أو إيقاف تشغيل وميض المصابيح عند الضغط على زر Lock (القفل) من حافظة المفاتيح.
Auto Dim High Beams (تعطيم المصابيح عالية الضوء أوتوماتيكياً)	سيتيح لك هذا الإعداد تشغيل تعطيم المصابيح عالية الضوء أوتوماتيكياً أو إيقاف تشغيله.
المصابيح الأمامية الموجهة حسب التوجيه	سيؤدي هذا الإعداد إلى تشغيل المصابيح الأمامية الموجهة حسب التوجيه أو إيقاف تشغيلها.
Headlight Dip (خفض الأضواء الأمامية)	سيخفض هذا الإعداد المصابيح الأمامية عند القيادة في الجانب المقابل من الطريق.

الوصف	اسم الإعداد
يُسجّل هذا الإعداد إرشادات كاميرا الرؤية المحيطة أو يوقف تشغيلها.	Surround View Camera Guidelines (إرشادات كاميرا الرؤية المحيطة)
سيضيف هذا الإعداد تأخيرًا موقوتًا إلى كاميرا الرجوع الخلفية ParkView عند التبديل من وضع REVERSE (الرجوع للخلف).	ParkView Backup Camera Delay (تأخير كاميرا الرجوع الخلفية ParkView)
سيؤدي هذا الإعداد إلى تشغيل أو إيقاف تشغيل الإرشادات النشطة لكاميرا الرجوع للخلف ParkView.	ParkView الإرشادات النشطة لكاميرا الرجوع للخلف
سيؤدي هذا الإعداد إلى تشغيل أو إيقاف تشغيل الإرشادات الثابتة لكاميرا الرجوع للخلف ParkView.	ParkView الإرشادات الثابتة لكاميرا الرجوع للخلف
بالنسبة إلى السيارات غير المزودة بميزة السحب، سيتيح لك هذا الإعداد تمكين عرض النقاط الخفية بإشارة الانعطاف أو تعطيلها. أما بالنسبة إلى السيارات المزودة بميزة السحب، تكون الخيارات القابلة للتحديد هي "Off" (إيقاف التشغيل) أو "On" (التشغيل) أو "Only with Trailer" (مع المقطورة فقط).	ParkView عرض النقطة العمياء المنشط بإشارة الانعطاف

المرايا والمساحات

عند الضغط على زر Mirrors & Wipers (المرايا والمساحات) على شاشة اللمس، سيعرض النظام الخيارات المرتبطة بالمرايا والمساحات في السيارة.

ملاحظة:

تبعًا لخيارات السيارة، قد تختلف إعدادات الميزات.

الوصف	اسم الإعداد
سيؤدي هذا الإعداد إلى إمالة مرايا الرؤية الجانبية الخارجية عندما يكون مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق) ومحدد ترس ناقل الحركة في وضع REVERSE (الرجوع للخلف). تعود المرايا إلى أوضاعها السابقة عند نقل ناقل الحركة إلى خارج وضع REVERSE (الرجوع للخلف). الإعدادات المتاحة هي "On" و"Off" (التشغيل وإيقاف التشغيل).	Tilt Side Mirrors In Reverse (إمالة المرايا عند الرجوع للخلف)
سيؤدي هذا الإعداد إلى تشغيل مساحات استشعار المطر الأوتوماتيكية أو إيقاف تشغيلها.	Rain Sensing Auto Wipers (مساحات استشعار المطر الأوتوماتيكية)
سيؤدي هذا الإعداد إلى تشغيل المصابيح الأمامية عند تنشيط المساحات.	Headlights With Wipers (الأضواء الأمامية مع المساحات)

الوصف	اسم الإعداد
الخيارات لكل مقطورة هي "Use This Trailer" (استخدام هذا المقطورة)، و"Braking" (الفرملة) Light Electric (كهربي خفيف)، وHeavy Electric (كهربي ثقيل)، وLight Electric Over Hydraulic (كهربي خفيف أكثر من الهيدروليكي)، وHeavy Electric Over Hydraulic (كهربي ثقيل أكثر من الهيدروليكي)، و"Trailer Name" (اسم المقطورة)، و"Pressure" (ضغط هواء الإطار) Setup All Tires (إعداد جميع الإطارات)، وReplace Single Tire (استبدال إطار واحد)، وSet Target Tire Pressure (ضبط ضغط هواء الإطار المستهدف)، وDelete Tire Settings (حذف إعدادات الإطار)).	المقطورة 4
يتيح لك هذا الإعداد الوصول إلى الخيارات المتعلقة بـ"Trailer Surround Camera" (الكاميرا المحيطة للمقطورة).	الكاميرا المحيطة للمقطورة
اختر من بين "Trailer 1" (المقطورة 1) و"Trailer 2" (المقطورة 2) و"Trailer 3" (المقطورة 3) و"Trailer 4" (المقطورة 4). يمكن استخدام تسميات المقطورة هذه لحفظ إعدادات المقطورات المختلفة.	Trailer Select (تحديد المقطورة)
سيؤدي هذا الإعداد إلى تعيين النظام إلى نوع مقطورة محدد. الخيارات المتاحة هي "Light Electric" (كهربي خفيف)، و"Electric" (كهربي ثقيل)، و"Light Electric-Over-Hydraulic" (كهربي خفيف أكثر من الهيدروليكي)، و"Electric-Over-Hydraulic" (كهربي ثقيل أكثر من الهيدروليكي).	نوع فرامل المقطورة
سيؤدي هذا الإعداد إلى تخصيص اسم المقطورة وفقاً لنوع المقطورة التي تسحبها. اختر اسم المقطورة من القائمة التالية: مقطورة، وقارب، وسيارة، وحمولة، ونفايات، ومعدات، وشاحنة مسطحة، ومقطورة ذات قضيب ربط معقوف، وحصان، ومواش، ودراجة نارية، وعربة ثلج، وسفر، وأداة مساعدة، وعجلة خامسة.	Trailer Name (اسم المقطورة)

الكاميرا

عند الضغط على زر Camera (الكاميرا) على شاشة اللمس، سيعرض النظام خيارات مختلفة مرتبطة بميزات كاميرا السيارة.

ملاحظة:

تبعاً لخيارات السيارة، قد تختلف إعدادات الميزات.

الوصف	اسم الإعداد
يضيف هذا الإعداد تأخيراً موقوئاً إلى كاميرا الرؤية المحيطة عند التبديل من وضع REVERSE (الرجوع للخلف).	Surround View Camera Delay (تأخير كاميرا الرؤية الخلفية)

Trailer Brake/Trailer (فرامل المقطورة/المقطورة) — إذا كانت السيارة مزودة بذلك

عند الضغط على زر "Trailer Brake/Trailer" (فرامل المقطورة/المقطورة) على شاشة اللمس، سيعرض النظام الإعدادات المرتبطة بسحب المقطورات.

ملاحظة:

تبعاً لخيارات السيارة، قد تختلف إعدادات الميزات.

الوصف	اسم الإعداد
يمكن استخدام هذا الإعداد لفحص أضواء المقطورة عند توصيل المقطورة كهربائياً بالسيارة. الخيارات المتاحة هي "On" (التشغيل) و "Off" (إيقاف التشغيل).	التحقق من ضوء المقطورة الأوتوماتيكي
الخيارات لكل مقطورة هي "Use This Trailer" (استخدام هذا المقطورة)، و "Braking" (الفرملة) Light Electric (كهربي خفيف)، و Heavy Electric (كهربي ثقيل)، و Light Electric Over Hydraulic (كهربي خفيف أكثر من الهيدروليكي)، و Heavy Electric Over Hydraulic (كهربي ثقيل أكثر من الهيدروليكي)، و "Trailer Name" (اسم المقطورة)، و "Tire Pressure" (ضغط هواء الإطار) Setup All Tires (إعداد جميع الإطارات)، و Replace Single Tire (استبدال إطار واحد)، و Set Target Tire Pressure (ضبط ضغط هواء الإطار المستهدف)، و Delete Tire Settings (حذف إعدادات الإطارات).	المقطورة 1
الخيارات لكل مقطورة هي "Use This Trailer" (استخدام هذا المقطورة)، و "Braking" (الفرملة) Light Electric (كهربي خفيف)، و Heavy Electric (كهربي ثقيل)، و Light Electric Over Hydraulic (كهربي خفيف أكثر من الهيدروليكي)، و Heavy Electric Over Hydraulic (كهربي ثقيل أكثر من الهيدروليكي)، و "Trailer Name" (اسم المقطورة)، و "Tire Pressure" (ضغط هواء الإطار) Setup All Tires (إعداد جميع الإطارات)، و Replace Single Tire (استبدال إطار واحد)، و Set Target Tire Pressure (ضبط ضغط هواء الإطار المستهدف)، و Delete Tire Settings (حذف إعدادات الإطارات).	المقطورة 2
الخيارات لكل مقطورة هي "Use This Trailer" (استخدام هذا المقطورة)، و "Braking" (الفرملة) Light Electric (كهربي خفيف)، و Heavy Electric (كهربي ثقيل)، و Light Electric Over Hydraulic (كهربي خفيف أكثر من الهيدروليكي)، و Heavy Electric Over Hydraulic (كهربي ثقيل أكثر من الهيدروليكي)، و "Trailer Name" (اسم المقطورة)، و "Tire Pressure" (ضغط هواء الإطار) Setup All Tires (إعداد جميع الإطارات)، و Replace Single Tire (استبدال إطار واحد)، و Set Target Tire Pressure (ضبط ضغط هواء الإطار المستهدف)، و Delete Tire Settings (حذف إعدادات الإطارات).	المقطورة 3

Voice (الصوت)

عند الضغط على زر Voice (الصوت) على شاشة اللمس، سيعرض النظام خيارات مرتبطة بميزة التعرف على الصوت في السيارة.

ملاحظة:

تبعًا لخيارات السيارة، قد تختلف إعدادات الميزات.

اسم الإعداد	الوصف
Voice Options (خيارات الصوت)	يتيح لك هذا الإعداد تغيير صوت النظام سواء إلى "ذكر" أو "أنثى".
Wake Up Word (كلمة التنشيط)	يتيح لك هذا الإعداد ضبط كلمة "Wake Up" (تنشيط) بالنظام. الخيارات المتاحة هي "Off" (إيقاف التشغيل) و "Hey, Uconnect" (مرحبًا نظام Uconnect) و "Hey, Ram" (مرحبًا، Ram).
Voice Barge-In (الاقترام الصوتي)	يتيح لك هذا الإعداد الاستجابة لاستجابة صوتية قبل إكمال النظام للعبارة. الخيارات المتاحة هي "On" (التشغيل) و "Off" (إيقاف التشغيل).
Show Command List (عرض قائمة الأوامر)	سيتيح لك هذا الإعداد تشغيل قائمة الأوامر أو إيقاف تشغيلها. سيعرض إعداد "Always" (دائمًا) قائمة الأوامر بصفة مستمرة. سيعرض إعداد "With Help" (مع المساعدة) قائمة الأوامر ويوفر وصفًا مختصرًا لوظيفة الأمر. سيؤدي إعداد "Never" (أبداً) إلى إيقاف تشغيل قائمة الأوامر.

الملاحة

عند الضغط على زر Navigation (الملاحة) على شاشة اللمس، سيعرض النظام خيارات مرتبطة بنظام الملاحة المضمن بالسيارة. يمكن لهذه الإعدادات تغيير الرموز التي يتم عرضها على الخريطة وكيفية "حساب وقت الوصول" وأنواع المسارات.

لمزيد من المعلومات عن الملاحة والإعدادات، راجع دليل تعليمات الراديو في نظام Uconnect.

ملاحظة:

تبعًا لخيارات السيارة، قد تختلف إعدادات الميزات.

الهاتف/Bluetooth®

عند الضغط على زر Phone (الهاتف)/Bluetooth® على شاشة اللمس، سيعرض النظام الخيارات المرتبطة باتصال Bluetooth® من جهاز صوت خارجي أو هاتف ذكي. يمكن الوصول إلى أجهزة الصوت أو الهواتف الذكية المقترنة من هذه القائمة.

ملاحظة:

تبعاً لخيارات السيارة، قد تختلف إعدادات الميزات.

الوصف	اسم الإعداد
سيفتح هذا الإعداد شاشة Device Manager (إدارة الجهاز) الرئيسية.	Device Manager (إدارة الجهاز)
سيفتح هذا الإعداد قائمة الإعدادات Do Not Disturb (عدم الإزعاج). الخيارات المتاحة هي "On" (التشغيل) و "Off" (إيقاف التشغيل).	Do Not Disturb All (عدم الإزعاج إطلاقاً)
يتيح هذا الإعداد تمكين هاتفين نشطين داخل السيارة أو تعطيلهما. خيار الإعداد هما "On" (التشغيل) و "Off" (إيقاف التشغيل).	Enable Two Active Phones (تمكين هاتفين نشطين)
سيؤدي هذا الإعداد إلى تنشيط رسائل الهاتف المنبثقة في شاشة عرض مجموعة أجهزة القياس.	Phone Pop-Ups Displayed In Cluster (قوائم الهاتف المنبثقة معروضة في مجموعة أجهزة القياس)

الساعة

عند الضغط على زر Clock (الساعة) على شاشة اللمس، سيعرض النظام خيارات مختلفة مرتبطة بالساعة الداخلية للسيارة.

ملاحظة:

تبعاً لخيارات السيارة، قد تختلف إعدادات الميزات.

اسم الإعداد	الوصف
Sync Time With GPS (مزامنة الوقت مع نظام تحديد المواقع العالمي)	سيؤدي هذا الإعداد إلى مزامنة الوقت إلى مستقبل نظام تحديد المواقع العالمي (GPS) في النظام. سيتحكم النظام في الوقت من خلال موقع نظام تحديد المواقع العالمي (GPS).
Set Time And Format/Time Format (ضبط الوقت والتنسيق/تنسيق الوقت)	سيتيح لك هذا الإعداد ضبط تنسيق الوقت (AM (صباحاً)/PM (مساءً)). يجب إيقاف Sync Time With GPS (مزامنة الوقت مع نظام تحديد المواقع العالمي) لكي يصبح هذا الإعداد متاحاً. سيضبط إعداد "12 hrs" (12 ساعة) الوقت على تنسيق 12 ساعة. سيضبط إعداد "24 hrs" (24 ساعة) الوقت على تنسيق 24 ساعة.
Set Time Hours (ضبط الساعات)	سيسمح لك هذا الإعداد بضبط الساعات. يجب إيقاف Sync Time With GPS (مزامنة الوقت مع نظام تحديد المواقع العالمي) لكي يصبح هذا الإعداد متاحاً. سيؤدي إعداد "+" إلى زيادة الساعات. سيؤدي إعداد "-" إلى خفض الساعات.
Set Time Minutes (ضبط الدقائق)	سيسمح لك هذا الإعداد بضبط الدقائق. يجب إيقاف Sync Time With GPS (مزامنة الوقت مع نظام تحديد المواقع العالمي) لكي يصبح هذا الإعداد متاحاً. سيؤدي إعداد "+" إلى زيادة الدقائق. سيؤدي إعداد "-" إلى خفض الدقائق.
Show Time in Status Bar (عرض الوقت في شريط الحالة)	سيؤدي هذا الإعداد إلى وضع الوقت في شريط حالة الراديو.
Show Time and Date During Screen Off (إظهار الوقت والتاريخ أثناء إيقاف تشغيل الشاشة)	سيتيح لك هذا الإعداد إظهار الوقت والتاريخ أثناء إيقاف تشغيل الشاشة. الخيارات المتاحة هي "On" (التشغيل) و "Off" (إيقاف التشغيل).

الوصف	اسم الإعداد
يضيظ هذا الإعداد مستوى صوت نظام ParkSense الخلفي. الإعدادات المتاحة هي "Low" (منخفض) و "Medium" (متوسط) و "High" (عال).	Rear Parksense Volume (مستوى صوت نظام Parksense الخلفي)
سيؤدي هذا الإعداد إلى تشغيل Rear ParkSense Braking Assist (مساعد التوقف الخلفي لنظام ParkSense) أو إيقاف تشغيله.	Rear ParkSense Braking Assist (مساعد فرامل نظام ParkSense الخلفي)
سيؤدي هذا الإعداد إلى تغيير نوع الإنذار المتوفر عند اكتشاف جسم ما في نقطة خفية للسيارة. سيؤدي إعداد "Off" (إيقاف التشغيل) إلى إيقاف تنبيه النقاط الخفية. سيؤدي إعداد "Lights" (المصابيح) إلى تنشيط مصابيح تنبيه النقاط الخفية في المرايا الخارجية. سيؤدي إعداد "Lights & Chime" (المصابيح والصافرة) إلى تنشيط المصابيح في المرايا الخارجية وصافرة صوتية.	Blind Spot Alert (تنبيه النقاط الخفية)
سيؤدي هذا الإعداد إلى اكتشاف طول المقطورة الملحقة تلقائيًا. سيؤدي إعداد "Auto" (تلقائي) إلى قيام النظام بتعيين طول المقطورة تلقائيًا. وسيؤدي إعداد "Max" (الحد الأقصى) دائمًا إلى تعيين الطول إلى الحد الأقصى الذي يبلغ 39.5 قدمًا (12 مترًا).	طول المقطورة لتنبيه النقطة العمياء
سيؤدي هذا الإعداد إلى تشغيل نظام مساعد بدء التشغيل على المرتفعات أو إيقاف تشغيله.	Hill Start Assist (مساعد بدء التشغيل على المرتفعات)
سيضيظ هذا الإعداد تأخيرًا موقتًا إلى كاميرا الرجوع الخلفية ParkView عند التبديل من وضع REVERSE (الرجوع للخلف).	ParkView Backup Camera Delay (تأخير كاميرا الرجوع الخلفية ParkView)
سيؤدي هذا الإعداد إلى تشغيل أو إيقاف تشغيل الإرشادات النشطة لكاميرا الرجوع للخلف ParkView.	الإرشادات النشطة لكاميرا الرجوع للخلف ParkView
سيؤدي هذا الإعداد إلى تشغيل أو إيقاف تشغيل الإرشادات الثابتة لكاميرا الرجوع للخلف ParkView.	الإرشادات الثابتة لكاميرا الرجوع للخلف ParkView
سيؤدي هذا الإعداد إلى تشغيل مساعد ملء الإطارات أو إيقاف تشغيله.	Tire Fill Assist (مساعد ملء الإطارات)
سيؤدي هذا الإعداد إلى رفع الدرج الجانبي الكهربائي وخفضه أو تخزينه. الخيارات المتوفرة هي "Automatic" (أوتوماتيكي) لرفع الدرج الجانبي العامل بالطاقة و "Stow" (تخزين) لإلغاء تنشيط الدرج الجانبي العامل بالطاقة.	الدرج الجانبي الكهربائي
عند تشغيل هذا الإعداد وفتح الأبواب الخلفية في أثناء تشغيل المحرك، أو إذا تم تشغيل المحرك في غضون 10 دقائق من فتح الباب، فستظهر رسالة للتحقق من المقعد الخلفي عند إيقاف تشغيل السيارة.	Rear Seat Alert (تنبيه المقعد الخلفي)
سيتيح لك هذا الإعداد تمكين الكاميرا الأمامية أو تعطيلها عند اكتشاف عائق.	تنشيط الكاميرا الأمامية ParkSense

السلامة/المساعدة في القيادة

عند تحديد زر Safety/Driving Assistance (مساعدة القيادة/الأمان) على شاشة اللمس، سيعرض النظام الخيارات المرتبطة بإعدادات أمان السيارة. ستختلف هذه الخيارات وفقًا للميزات المزودة في السيارة. يمكن عرض الإعدادات في صورة قائمة أو في مجلدات فرعية على الشاشة. للوصول إلى مجلد فرعي، حدد المجلد المطلوب، وسيتم بعد ذلك عرض الخيارات المتاحة المرتبطة بهذه الميزة على الشاشة.

ملاحظة:

تبعًا لخيارات السيارة، قد تختلف إعدادات الميزات.

الوصف	اسم الإعداد
سيغير هذا الإعداد المسافة التي ينطلق عندها إنذار تحذير بشأن التصادم الأمامي (FCW). سيؤدي إعداد "Medium" (متوسط) إلى جعل نظام تحذير التصادم الأمامي (FCW) يصدر إشارة عند وجود جسم في مجال الرؤية، واكتشاف احتمالية التصادم. سيؤدي إعداد "Near" (قريب) إلى جعل نظام تحذير التصادم الأمامي (FCW) يصدر إشارة عندما يكون الجسم قريبًا من السيارة. سيؤدي إعداد "Far" (بعيد) إلى جعل إشارة تحذير التصادم الأمامي (FCW) يصدر إشارة عندما يكون الجسم على مسافة بعيدة عن السيارة.	حساسية التحذير من التصادم الأمامي — الموجودة في القائمة الفرعية لفرامل الطوارئ الأوتوماتيكية
سيؤدي هذا الإعداد إلى تشغيل أو إيقاف تشغيل نظام التحذير بشأن التصادم الأمامي. سيؤدي إعداد "Off" (إيقاف التشغيل) إلى تعطيل نظام تحذير التصادم الأمامي (FCW). سيوفر إعداد "Warning Only" (التحذير فقط) صافرة صوتية فقط عند اكتشاف تصادم. سيوفر إعداد "Warning + Active Braking" (التحذير + الفرامل النشطة) تنبيهًا صوتيًا واستعمال جزء من ضغط الفرامل عند اكتشاف تصادم ما.	التحذير من التصادم الأمامي — الموجودة في القائمة الفرعية لفرامل الطوارئ الأوتوماتيكية
سيؤدي هذا الإعداد إلى تشغيل نظام فرامل طوارئ المشاة أو إيقاف تشغيله.	فرامل طوارئ المشاة — الموجودة في القائمة الفرعية لفرامل الطوارئ الأوتوماتيكية
سيؤدي هذا الإعداد إلى تغيير المسافة التي ستوفر فيها عجلة القيادة استجابة مغادرة حارة السير. الإعدادات المتاحة هي "Early" (مبكر) و "Medium" (متوسط) و "Late" (متأخر).	تحذير نظام استشعار الحارة
سيؤدي هذا الإعداد إلى تغيير قوة استجابة عجلة القيادة أثناء مغادرة الحارة. الإعدادات المتاحة هي "Low" (منخفض) و "Medium" (متوسط) و "High" (عالٍ).	قوة نظام استشعار الحارة
سيغير هذا الإعداد نوع تحذير ParkSense عند اكتشاف جسم قريب ويمكنه توفير إشارة صوتية مسموعة و عرض مرئي على حد سواء.	نظام ParkSense
يضبط هذا الإعداد مستوى صوت نظام ParkSense الأمامي. الإعدادات المتاحة هي "Low" (منخفض) و "Medium" (متوسط) و "High" (عالٍ).	Front Parksense Volume (مستوى صوت نظام Parksense الأمامي)

اسم الإعداد	الوصف
Units (الوحدات)	سيتيح لك هذا الإعداد تغيير الوحدات. الخيارات المتاحة هي وحدات القياس "Speed" (السرعة) (كم/ساعة أو ميل/الساعة)، و"Distance" (المسافة) (ميل أو كم)، و"Fuel Consumption" (استهلاك الوقود) (ميل لكل جالون [الولايات المتحدة] أو ميل لكل جالون [المملكة المتحدة] أو لتر/100 كم أو كم/لتر)، و"Pressure" (الضغط) (رطل لكل بوصة مربعة أو كيلو باسكال أو بار)، و"Temperature" (درجة الحرارة) (درجة مئوية أو درجة فهرنهايت)، و"Power" (الطاقة) (حصان [الولايات المتحدة] أو حصان في الجالون [المملكة المتحدة] أو كيلو وات)، و"Torque" (العزم) (رطل-قدم أو نيوتن متر) بصورة منفصلة.
وضع السمة	سيتيح لك هذا الإعداد ضبط درجة سطوع السمة الخاصة بك. خيارات الإعداد هي "Light" (ساطع) و"Dark" (داكن) و"Auto" (تلقائي). حدد لإظهار السمات في الوضع Light (ساطع) أو Dark (داكن). يغير الوضع "Auto" (أوتوماتيكي) السمة مع الضوء الأمامية.
Touchscreen Beep (صافرة شاشة اللمس)	سيتيح لك هذا الإعداد تشغيل أو إيقاف تشغيل صافرة شاشة اللمس.
Control Screen Timeout (مهلة شاشة التحكم)	يتيح لك هذا الإعداد ضبط Control Screen (شاشة التحكم) ليتم إيقاف تشغيلها أوتوماتيكيًا بعد خمس ثوان أو لكي تظل مفتوحة حتى يتم إغلاقها يدويًا.
النوافذ المنبثقة للمنعطف التالي بنظام الملاحة المعروضة في مجموعة أجهزة القياس	سيعرض هذا الإعداد مطالبات الملاحة في شاشة مجموعة أجهزة القياس.
Phone Pop-Ups Displayed in Cluster (قوائم الهاتف المنبثقة معروضة في مجموعة أجهزة القياس)	سيعرض هذا الإعداد إخطارات ورسائل الهاتف الذكي في شاشة مجموعة أجهزة القياس.
Fuel Saver Display (شاشة ترشيد استهلاك الوقود)	سيؤدي هذا الإعداد إلى تمكين وضع توفير الوقود في شاشة عرض مجموعة أجهزة القياس.
النوافذ المنبثقة Ready to Drive (جاهز للقيادة)	سيؤدي هذا الإعداد إلى تمكين الرسائل المنبثقة للجاهزية للقيادة في شاشة عرض مجموعة أجهزة القياس.

الوصف	اسم الإعداد
سيؤدي هذا الإعداد إلى تشغيل تكرار صوت النظام أو إيقاف تشغيله.	تكرار الصوت
يوفر هذا الإعداد الوصول إلى المزيد من خيارات ملفات التعريف.	More Profile Options (المزيد من خيارات ملفات التعريف)

شاشة العرض

عند الضغط على زر "Display" (العرض) على شاشة اللمس، سيعرض النظام الخيارات المرتبطة بالسمة (إذا كانت السيارة مزودة بذلك)، والسطوع، ولون شاشة اللمس. الإعدادات المتاحة هي:

ملاحظة:

تبعاً لخيارات السيارة، قد تختلف إعدادات الميزات.

الوصف	اسم الإعداد
سيؤدي هذا الإعداد إلى تغيير لغة نظام Uconnect وشاشة مجموعة أجهزة القياس لبعض اللغات. اللغات المتاحة هي اليابانية والألمانية والبرتغالية البرازيلية والإنجليزية والإسبانية والفرنسية والإيطالية والهولندية والبولندية والتركية والروسية والعربية.	Language (اللغة)
سيتيح لك هذا الإعداد ضبط مستوى السطوع يدوياً أو السماح بضبط أوتوماتيكياً بواسطة النظام. يعمل الإعداد "Auto" (أوتوماتيكي) على جعل النظام يضبط سطوع شاشة العرض أوتوماتيكياً. سيتيح الإعداد "Manual" (يدوي) للمستخدم ضبط مستوى سطوع شاشة العرض.	Display Mode (وضع شاشة العرض)
سيسمح لك هذا الإعداد بتحديد مستوى السطوع عند تشغيل الأضواء الأمامية. للوصول إلى هذا الإعداد، يجب ضبط Display Mode (وضع العرض) على Manual (يدوي). سيزيد الإعداد "+" مستوى السطوع، وسيؤدي الإعداد "-" إلى خفض السطوع.	Display Brightness With Headlights ON/Brightness (سطوع شاشة العرض مع تشغيل الأضواء الأمامية/السطوع)
سيسمح لك هذا الإعداد بتحديد مستوى السطوع عند إيقاف تشغيل الأضواء الأمامية. للوصول إلى هذا الإعداد، يجب ضبط Display Mode (وضع العرض) على Manual (يدوي). سيزيد الإعداد "+" مستوى السطوع، وسيؤدي الإعداد "-" إلى خفض السطوع.	Display Brightness With Headlights OFF/Brightness (سطوع شاشة العرض مع إيقاف تشغيل الأضواء الأمامية/السطوع)
سيتيح لك هذا الإعداد تغيير سمة العرض.	Set Theme (ضبط السمة)

الوصف	اسم الإعداد
يتيح لك هذا الإعداد تفضيل الرسائل المنبثقة في درج التطبيقات باستخدام الخيارين "On" (التشغيل) و "Off" (إيقاف التشغيل).	App Drawer Favoriting Pop-ups (رسائل التفضيل المنبثقة في درج التطبيقات)
يتيح لك هذا الإعداد إلغاء تفضيل الرسائل المنبثقة في درج التطبيقات باستخدام الخيارين "On" (التشغيل) و "Off" (إيقاف التشغيل).	App Drawer Unfavoriting Pop-ups (رسائل إلغاء التفضيل المنبثقة في درج التطبيقات)
يتيح لك هذا الإعداد تمكين الإشعارات المنبثقة للرسائل النصية الجديدة. خيارات الإعداد هي "On" (التشغيل) و "Off" (إيقاف التشغيل).	New Text Message Pop-ups (الرسائل المنبثقة للرسائل النصية الجديدة)
يتيح لك هذا الإعداد تمكين الإشعارات المنبثقة للمكالمات الفائتة. خيارات الإعداد هي "On" (التشغيل) و "Off" (إيقاف التشغيل).	Missed Calls Message (رسالة المكالمات الفائتة)
يتيح لك هذا الإعداد تمكين الإشعارات المنبثقة للملاحة. خيارات الإعداد هي "On" (التشغيل) و "Off" (إيقاف التشغيل).	Navigation Pop-ups (رسائل الملاحة المنبثقة)
سيؤدي هذا الإعداد إلى إعادة ضبط شريط التطبيقات إلى تخطيط المصنع الافتراضي.	Reset App Drawer to Default Order (إعادة ضبط App Drawer إلى الترتيب الافتراضي)
سيؤدي هذا الإعداد إلى إعادة كل الإعدادات التي تم تغييرها من قبل إلى افتراضيات المصنع الخاصة بها.	Restore Settings to Default (إعادة الإعدادات إلى الإعدادات الافتراضية)
يُشغل هذا الإعداد ميزة Trip B (الرحلة ب) في مجموعة أجهزة القياس أو يوقف تشغيلها.	Trip B (الرحلة ب)
يُشغل هذا الإعداد المعلومات الصوتية في مجموعة أجهزة القياس أو يوقف تشغيلها.	المعلومات الصوتية في مجموعة أجهزة القياس
يعرض هذا الإعداد عداد السرعة الرقمي على كل شاشات مجموعة أجهزة القياس.	عداد السرعة الرقمي على كل شاشات مجموعة أجهزة القياس
يعرض هذا الإعداد شريط استهلاك الوقود الرقمي على كل شاشات مجموعة أجهزة القياس.	شريط استهلاك الوقود على شاشة مجموعة أجهزة القياس
يتيح لك هذا الإعداد تخصيص المعلومات المعروضة على مجموعة أجهزة القياس.	المناطق المخصصة في مجموعة أجهزة القياس
يُشغل هذا الإعداد شاشة العرض على الزجاج الأمامي (HUD) أو يوقف تشغيلها.	Head Up Display (شاشة العرض على الزجاج الأمامي)
يضبط هذا الإعداد سطوع شاشة العرض على الزجاج الأمامي.	سطوع شاشة العرض على الزجاج الأمامي
يضبط هذا الإعداد ارتفاع شاشة العرض على الزجاج الأمامي.	ارتفاع شاشة العرض على الزجاج الأمامي
يضبط هذا الإعداد مقدار المحتوى المعروض على شاشة العرض على الزجاج الأمامي. الخيارات المتاحة هي "Simple" (بسيطة) و "Standard" (قياسية) و "Advanced" (متقدمة).	محتوى شاشة العرض على الزجاج الأمامي

الوصف	اسم الإعداد
يتيح هذا الإعداد تشغيل عرض ملصقات شريط الفئة الرئيسية أو إيقاف تشغيله.	Show Main Category Bar Labels (عرض ملصقات شريط الفئة الرئيسية)
سيعرض هذا الإعداد مطالبات الملاحة في شاشة مجموعة أجهزة القياس.	النوافذ المنبثقة للمنطق التالي بنظام الملاحة المعروضة في مجموعة أجهزة القياس
سيعرض هذا الإعداد إخطارات ورسائل الهاتف الذكي في شاشة مجموعة أجهزة القياس.	Phone Pop-Ups Displayed In Cluster (قوائم الهاتف المنبثقة معروضة في مجموعة أجهزة القياس)
سيتيح لك هذا الإعداد ضبط تنسيق الوقت (AM (صباحاً) PM (مساءً)). يجب تعيين Sync Time With GPS (مزامنة الوقت مع نظام تحديد المواقع العالمي) على وضع "Off" (إيقاف التشغيل) لكي يصبح هذا الإعداد متاحاً. سيضبط إعداد "12 hrs" (12 ساعة) الوقت على تنسيق 12 ساعة. سيضبط إعداد "24 hrs" (24 ساعة) الوقت على تنسيق 24 ساعة.	Time Format (تنسيق الوقت)
يتيح لك هذا الإعداد تغيير خيارات صوت الراديو إلى "Male" (ذكر) أو "Female" (أنثى).	Voice Options (خيارات الصوت)
يتيح لك هذا الإعداد ضبط كلمة "Wake Up" (تنشيط) النظام. الخيارات المتاحة هي "Off" (إيقاف التشغيل) و "Hey, Uconnect" (مرحباً نظام Uconnect) و "Hey, Ram" (مرحباً، Ram).	Wake Up Word (كلمة التنشيط)
يتيح هذا الإعداد تشغيل الاقتحام الصوتي أو إيقاف تشغيله.	Voice Barge-in (الاقتحام الصوتي)
يتيح هذا الإعداد عرض Command List (قائمة الأوامر). الخياران هما "On" (التشغيل) و "Off" (إيقاف التشغيل).	Show Command List (عرض قائمة الأوامر)
يقوم هذا الإعداد بإعادة توجيهه إلى قائمة إعدادات الملاحة. راجع دليل تعليمات الراديو لنظام Uconnect لمزيد من المعلومات.	Navigation Settings (إعدادات الملاحة)
سيؤدي هذا الإعداد إلى تنشيط نظام الراحة في السيارة والمقاعد المسخنة أو عجلة القيادة المسخنة عند بدء تشغيل السيارة عن بُعد أو عند بدء تشغيل الإشعال. لن يؤدي الإعداد "Off" (إيقاف التشغيل) إلى تنشيط أنظمة الراحة. سيؤدي إعداد "Remote Start" (بدء التشغيل عن بُعد) إلى تنشيط أنظمة الراحة فقط عند استخدام بدء التشغيل عن بُعد. سيؤدي إعداد "All Start" (بدء تشغيل الكل) إلى تنشيط أنظمة الراحة عند بدء تشغيل السيارة.	Auto-On Driver Heated/Ventilated Seat & Heated Steering Wheel (التشغيل التلقائي لمقعد السائق المسخن/المزود بفتحات تهوية وعجلة القيادة المسخنة)
سيؤدي هذا الإعداد إلى الحفاظ على تشغيل بعض الميزات الكهربائية بعد إيقاف تشغيل المحرك. عند فتح أي باب، سيتم إلغاء تنشيط الإلكترونيات. الإعدادات المتاحة هي "0 sec" (0 ثانية)، و "45 sec" (45 ثانية)، و "5 min" (5 دقائق)، و "10 min" (10 دقائق).	إيقاف تشغيل الراديو
يتيح لك هذا الإعداد تحديد ما إذا كان يتم إيقاف تشغيل الراديو عند فتح أي من الأبواب.	Radio Off With Door (إيقاف تشغيل الراديو مع الباب)
يفتح هذا الإعداد القائمة الفرعية، التي تحتوي على إعدادات الصوت، صفحة ٢٥٠ .	إعدادات الصوت

My Profile (ملف التعريف الخاص بي)

عند الضغط على زر My Profile (ملف التعريف الخاص بي) على شاشة اللمس، يعرض النظام الخيارات المتعلقة بملفات التعريف في السيارة.

ملاحظة:

تبعاً لخيارات السيارة، قد تختلف إعدادات الميزات.

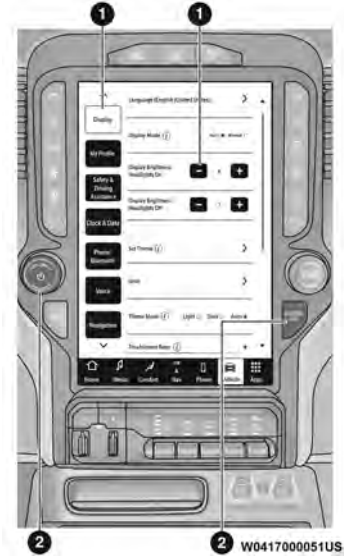
اسم الإعداد	الوصف
Language (اللغة)	سيؤدي هذا الإعداد إلى تغيير لغة نظام Uconnect وشاشة مجموعة أجهزة القياس لبعض اللغات. اللغات المتاحة هي اليابانية والألمانية والبرتغالية البرازيلية والإنجليزية والإسبانية والفرنسية والإيطالية والهولندية والبولندية والتركية والروسية والعربية.
Display Mode (وضع شاشة العرض)	سيضبط هذا الإعداد شاشة الراديو على "Auto" (أوتوماتيكي) أو "Manual" (يدوي). يتيح إعداد "Manual" (يدوي) تخصيص شاشة الراديو بصورة أكبر.
سطوع شاشة العرض مع تشغيل المصابيح الأمامية	سيسمح لك هذا الإعداد بتحديد مستوى السطوع عند تشغيل الأضواء الأمامية. للوصول إلى هذا الإعداد، يجب ضبط Display Mode (وضع العرض) على "Manual" (يدوي). سيزيد الإعداد "+" مستوى السطوع، وسيؤدي الإعداد "-" إلى خفض السطوع.
سطوع شاشة العرض مع إيقاف تشغيل المصابيح الأمامية	سيسمح لك هذا الإعداد بتحديد مستوى السطوع عند إيقاف تشغيل الأضواء الأمامية. للوصول إلى هذا الإعداد، يجب ضبط Display Mode (وضع العرض) على "Manual" (يدوي). سيزيد الإعداد "+" مستوى السطوع، وسيؤدي الإعداد "-" إلى خفض السطوع.
Set Theme (ضبط السمة)	سيتيح لك هذا الإعداد تغيير سمة العرض.
Units (الوحدات)	يتيح لك هذا الإعداد تغيير الوحدات إلى "US" (النظام الأمريكي) أو "Metric" (النظام المتري) أو "Custom" (مخصص). الخيارات المتاحة ضمن Custom (مخصص) هي وحدات القياس "Speed" (السرعة) (كم/ساعة أو ميل/الساعة)، و "Distance" (المسافة) (ميل أو كم)، و "Fuel Consumption" (استهلاك الوقود) (ميل لكل جالون [الولايات المتحدة] أو ميل لكل جالون [المملكة المتحدة] أو لتر/100 كم أو كم/لتر)، و "Pressure" (الضغط) (رطل لكل بوصة مربعة أو كيلو باسكال أو بار)، و "Temperature" (درجة الحرارة) (درجة مئوية أو درجة فهرنهايت)، و "Power" (الطاقة) (حصان [الولايات المتحدة] أو حصان في الجالون [المملكة المتحدة] أو كيلو وات)، و "Torque" (العزم) (رطل-قدم أو نيوتن متر) بصورة منفصلة.
وضع السمة	سيتيح لك هذا الإعداد ضبط درجة سطوع السمة الخاصة بك. خيارات الإعداد هي "Light" (ساطع) و "Dark" (داكن) و "Auto" (تلقائي). حدد لإظهار السمات في الوضع Light (ساطع) أو Dark (داكن). يغير الوضع "Auto" (أوتوماتيكي) السمة مع الأضواء الأمامية.
Touchscreen Beep (صافرة شاشة اللمس)	سيتيح لك هذا الإعداد تشغيل أو إيقاف تشغيل صافرة شاشة اللمس.

الميزات القابلة للبرمجة بواسطة العميل

بالنسبة إلى أنظمة Uconnect 5، اضغط على زر Vehicle (السيارة)، ثم اضغط على علامة تبويب Settings (الإعدادات) الموجودة في أعلى شاشة اللمس. في هذه القائمة، يتيح لك نظام Uconnect الوصول إلى كل الميزات المتاحة القابلة للبرمجة.

ملاحظة:

- يمكنك لمس شاشة لمس واحدة في كل مرة.
 - تبعاً لخيارات السيارة، قد تختلف إعدادات الميزات.
- عند التحديد، اضغط على زر واحد على حدة من شاشة اللمس للدخول إلى القائمة المطلوبة. وبمجرد الدخول إلى القائمة المطلوبة، اضغط على خيار الإعداد المفضل وحرره حتى تظهر علامة اختيار بجوار الإعداد تشير إلى إتمام تحديد الإعداد. بمجرد اكتمال الإعداد، اضغط على الزر X على شاشة اللمس لإغلاق شاشة الإعدادات. يتيح الضغط على زر سهم up (لأعلى) أو down (لأسفل) على الجانب الأيمن من الشاشة التنقل لأعلى أو لأسفل عبر الإعدادات المتاحة.



نظام Uconnect 5 NAV المزود بشاشة لمس بحجم 12 بوصة وأزرار على الواجهة

- 1 — أزرار Uconnect على شاشة اللمس
2 — أزرار Uconnect على الواجهة

الوسائط المتعددة

قد يشتمل نظام Uconnect أيضًا على زر
SCREEN OFF (إيقاف تشغيل الشاشة) و MUTE
(كتم الصوت) على الواجهة.

اضغط على زر SCREEN OFF (إيقاف تشغيل
الشاشة) على الواجهة لإيقاف تشغيل شاشة نظام
Uconnect. اضغط على الزر مرة أخرى أو انقر على
الشاشة لتشغيلها.

اضغط على زر سهم الرجوع للخروج من Menu
(القائمة) أو بعض الخيارات على نظام Uconnect.

بالنسبة إلى أنظمة Uconnect 5، اضغط مطولاً على
زر الطاقة الموجود على واجهة الراديو لمدة 15 ثانية على
الأقل لإعادة ضبط الراديو.

تحذير!

- أدخل الأجهزة/المكونات الموثوق بها فقط في سيارتك.
يمكن أن تتطوي الوسائط من مصدر غير معروف
على برامج ضارة، وإذا تم تثبيتها بسيارتك، فقد تزيد
من احتمالية اختراق أنظمة السيارة لديك.
- وكالعادة دائماً، إذا واجهت سلوكاً غير معتاد من
السيارة، فاهرب بالسيارة إلى وكيل معتمد على الفور.

إعدادات نظام UCONNECT

يستخدم نظام Uconnect خليطاً من مجموعة من
الأزرار على شاشة اللمس ومجموعة من الأزرار على
لوحة الواجهة الموجودة في منتصف لوحة أجهزة القياس.
تسمح لك هذه الأزرار بالوصول إلى الميزات القابلة
للبرمجة بواسطة العميل وتغييرها. قد تختلف العديد من
الميزات باختلاف السيارة.

توجد الأزرار الموجودة في لوحة الواجهة أسفل نظام
Uconnect و/أو بجانبه، في منتصف لوحة أجهزة
القياس. بالإضافة إلى ذلك، يوجد مقبض التحكم
SCROLL (تمرير)/ENTER (إدخال) على الجانب
الأيمن. أدر مقبض التحكم للتنقل داخل القوائم وتغيير
الإعدادات. اضغط على مركز مقبض التحكم مرة أو
مرتين لتحديد أي إعداد وتغييره.

أنظمة UCONNECT

للحصول على معلومات تفصيلية عن نظام Uconnect
NAV 5/5 المزود بشاشة 8.4 بوصة أو نظام
Uconnect 5 NAV المزود بشاشة 12 بوصة، راجع
دليل تعليمات الراديو في نظام Uconnect الخاص بك.

ملاحظة:

يتم عرض صور شاشة نظام Uconnect للأغراض
التوضيحية فقط وقد لا تعكس البرنامج ذاته الموجود في
سيارتك.

نظام CYBERSECURITY

استناداً إلى التطبيق، قد تتمكن سيارتك من إرسال معلومات
أو تلقيها من شبكة سلكية أو لاسلكية. تنتج هذه المعلومات
عمل الأنظمة والمزايا في سيارتك كما ينبغي.

قد تكون السيارة مزودة بميزات أمان محددة لتقليل خطر
الوصول غير المصرح به وغير القانوني لأنظمة السيارة
والاتصالات اللاسلكية. تتطور تقنية برامج السيارة
باستمرار بمرور الوقت وتقوم FCA، بالتعاون مع
مورديها، بالتنسيق واتخاذ الخطوات المناسبة حسب الحاجة.
وكالعادة دائماً، إذا واجهت سلوكاً غير معتاد، فاتصل
بوكيل معتمد على الفور ☎ صفحة ٤١١.

قد لا يزال خطر الوصول غير المرخص وغير القانوني
إلى سيارتك قائماً، حتى في حالة تثبيت أحدث إصدار من
برنامج السيارة (مثل برنامج Uconnect).

الممرور من خلال البرك أو المناطق المغمورة بالمياه

تحتوي البرك أو الأحواض أو أي مناطق مغمورة بالمياه على مياه ضحلة أو شديدة الانساج. تحتوي هذه المناطق المغمورة بالمياه على عوائق خفية مما يجعل من الصعب تحديد عمق المياه وزاوية الاتجاه وحالة المياه من الأسفل بدقة. تعتبر الأماكن المغمورة بالمياه الضحلة شديدة الانساج هي التي يلزمك بها شد حزام الجر قبل الدخول. يسهل هذا عملية تسريع السيارة وتنظيفها وإصلاحها. وإذا كان بإمكانك التأكد من مرورك بأمان، فتابع التقدم ببطء وحذر.

تنبيه!

يمكن للمياه الضحلة تقليل كفاءة نظام التبريد من خلال الترسيبات التي تنتج بداخل شبكة تبريد السيارة.

عبور المصارف أو تيارات المياه أو الأنهار الضحلة أو أية تدفقات مائية

قد تكون التدفقات المائية شديدة الخطورة. لا تحاول أبداً عبور تدفقات مياه سريعة أو نهر أو أي مياه ضحلة. يمكن أن تدفع المياه شديدة التدفق السيارة مما قد يفقدك التحكم بها. حتى في المياه الضحلة، قد يؤدي تدفق المياه بشدة إلى تنظيف الإطارات من الأوساخ ولكن مع تعرض سيارتك لخطر كبير. وما زال خطر حدوث أي إصابات شخصية موجوداً بالإضافة إلى تلف السيارة عن المرور في مياه عمقها أكبر من ارتفاع إطارات السيارة. لا تحاول أبداً عبور مياه متدفقة عمقها أكبر من ارتفاع السيارة. وحتى المياه ذات التيار شديد الانخفاض يمكن أن تدفع السيارة الثقيلة وتفقد القدرة على التحكم بها إذا كانت المياه عميقة

بشكل كاف لدفع جزء كبير من هيكل السيارة. قبل متابعة التقدم، حدد سرعة تيار المياه وعمق المياه وزاوية التقدم وحالة أسفل المياه وما إذا كانت توجد أي عوائق. ثم عبر بزاوية خفيفة إلى الأعلى ببطء وبسرعة منخفضة.

تحذير!

لا تقُد سيارتك أبداً عبر مياه عميقة سريعة التدفق. لأن ذلك قد يؤدي إلى دفع السيارة وفقدانك التحكم بها. قد يؤدي ذلك إلى إصابتك أو غرقك أنت والركاب.

بعد القيادة على طرق غير ممهدة

تضع القيادة على الطرق الممهدة المزيد من الضغط على السيارة أكثر مما هو حادث عند القيادة على معظم الطرق. يفضل بعد الانتهاء من القيادة على طريق غير ممهد التأكد من عدم وجود أي تلفيات. وبهذه الطريقة يتم التعامل مع أي مشكلة بشكل صحيح وتكون سيارتك جاهزة حال احتياجك لها.

- افحص الجزء السفلي من السيارة بالكامل. افحص الإطارات وهيكل البدن وعجلة القيادة وآلية التعليق ونظام العادم للتأكد من عدم وجود تلف.
- افحص الرادياتير بحثاً عن وجود طين أو رواسب، وقم بتنظيفه إذا لزم الأمر.
- افحص المثبتات (المسامير وما شابه) للتأكد من شدتها، خصوصاً تلك الموجودة على الشاسيه ومكونات مجموعة الدفع والحركة وعجلة القيادة وآلية التعليق. أعد شد هذه المثبتات إذا تطلب الأمر، وانقل العزم إلى القيم المحددة في كتيب الصيانة.

- تأكد من عدم تراكم النباتات أو أي أغصان. تمثل هذه الأشياء مصدرًا للحرارة. وقد تسبب تلف غير ظاهر في خطوط الطاقة وخرائط الفرامل وسدادات محور الدوران وأعمدة الدعم.

- بعد القيادة لمدة طويلة في الطين أو الرمل أو الماء، أو ظروف مماثلة، افحص أسطوانات وبطانات شبكة تبريد السيارة والمروحة والفرامل والعجلات ووصلات محور الدوران للفحص ونظفها بأسرع ما يمكن.

تحذير!

قد يتسبب استخدام مواد كاشطة على أي جزء من الفرامل في تزايد بلي الفرامل أو الفرملة غير المتوقعة. قد لا تتوافر لديك طاقة الفرامل الكاملة عند احتياجك لها لمنع الحوادث. إذا كنت تقود السيارة في ظروف متربة، افحص الفرامل ونظفها إذا لزم الأمر.

- إذا واجهت اهتزاز غير عادي بعد القيادة في الطرق الطينية أو الموحلة أو ما يشابهها، افحص العجلات للتأكد من عدم تواجد الأوساخ بين السنون. فقد تتسبب هذه الأوساخ في عدم اتزان العجل وتخليص العجلات منها يصحح هذا الموقف.

تنبيه!

- قد يحدث تسرب للمياه بداخل محاور السيارة أو الناقل أو علبة نقل التروس أو داخل المحرك أو السيارة إذا كنت تقود بسرعة كبيرة أثناء عبورك من مياه عميقة. قد تؤدي المياه إلى حدوث تلف شديد بالمحرك أو مجموعة نقل الحركة أو مكونات السيارة الأخرى وقد تقل كفاءة فرامل السيارة بمجرد ابتلالها و/أو اتساخها بالطين.
- عند القيادة خلال الماء، لا تتجاوز سرعة 8 كم/ساعة (5 أميال/ساعة). افحص عمق المياه دائمًا قبل الدخول فيها كإجراء وقائي، وافحص جميع السوائل بعد الخروج من الماء. إن الخوض في المياه بالسيارة قد ينجم عنه تلف غير مشمول بالضمان المحدود لسيارتك الجديدة.

قبل عبور أي نوع من المياه

بمجرد اقترابك من أي منطقة بها أي نوع من المياه، يلزم تحديد إمكانية مرورك بأمان وبثقة. فإذا لزم الأمر، فاحرج من السيارة وامش باتجاه المياه أو قم بجسها بعضا. يلزم التأكد من عمقها، وزاوية المرور بها وحالة سطح المياه وما أسفلها. كن حذرًا أثناء المرور بمياه ضحلة أو قذرة، وتحقق من وجود أية عوائق مخفية. تأكد من عدم دخولك إلى أية مناطق مقلقة ومن أنه يمكنك إصلاح السيارة إذا لزم الأمر. تعتبر أفضل طريقة للمرور هي معرفة عمق المياه وحالتها السطحية والسفلية. في الأعماق الناعمة، ستغرق السيارة بالمياه وسيزيد مستوى المياه على السيارة. تأكد من وضع ذلك في اعتبارك أثناء تحديد عمق المياه وقدرك على المرور من خلالها.

تحذير!

NEUTRAL (اللاتعشيق) مستخدمًا فرامل السيارة فقط. لا تعد السيارة أبدًا في اتجاه مائل عبر المرتفع، وتأكد من القيادة دائمًا في اتجاه مستقيم لأعلى أو لأسفل.

القيادة على طرق مغمورة بالمياه

يجب التزام الحذر عند المرور من على أي نوع من المياه. يجب تجنب المرور من المياه بقدر الإمكان، ويمكنك المرور إذا لزم الأمر ولكن بأسلوب آمن. التزم بالقيادة عبر المناطق المخصصة والمعتمدة للسير فقط. سير بالسيارة برفق ومن دون الإضرار بالبيئة. يجب أن تدرك قدرات سيارتك وأن تكون قادرًا على إصلاحها إذا حدثت بها أية أعطال. تجنب مطلقًا التوقف أو إيقاف محرك السيارة عند المرور من منطقة بها مياه عميقة إلا إذا دخلت المياه إلى أنبوب مدخل الهواء الخاص بالمحرك. إذا توقف المحرك فجأة، فلا تحاول إعادة تشغيله. تأكد من عدم دخول المياه به أولاً. والحل هو المرور ببطء وحذر. انتقل إلى وضع **DRIVE** (القيادة)، مع علبة النقل في وضع **4WD** **LOW** (الدفع الرباعي المنخفض) وتابع التقدم ببطء شديد بسرعة ثابتة (أي ما بين 5 و 8 كم/الساعة إما بين 3 و 5 أميال/الساعة) كحد أقصى مع استخدام بسيط لصمام الاختناق. تابع السير ولا تحاول زيادة السرعة أثناء العبور. بعد عبور أي مياه أعلى من ترس المحور التفاضلي، يجب فحص سوائل السيارة بالكامل للتأكد من عدم تسرب المياه إليها.

القيادة على المنحنيات

تجنب القيادة على المنحنيات ما أمكن ذلك. إذا لزم الأمر، فراجع قدرات سيارتك. يؤدي السير في المنحنيات إلى زيادة التحميل على الإطارات، ما يزيد من احتمالية انزلاق السيارة أو انقلابها. تأكد من قوة احتكاك الطريق مع ثبات التربة وصلابتها. استعرض المنحنى بزاوية خفيفة إلى الأعلى أو الأسفل، إن أمكن ذلك.

تحذير!

تزيد القيادة على المنحنيات من خطر انقلاب السيارة مما قد يؤدي إلى حدوث إصابة بالغة.

إذا توقفت السيارة أو فقدت القدرة على التقدم للأمام

إذا توقفت سيارتك أو بدأت في فقدان التقدم للأمام أثناء صعود مرتفع شاهق، فاسمح للسيارة بالتوقف ثم اضغط على الفرامل فورًا. أعد تشغيل المحرك وانتقل إلى ترس **REVERSE** (الرجوع للخلف). اهبط التل ببطء مع السماح بتشغيل فرامل المحرك للتحكم في هبوطك واستخدام الفرامل إذا لزم الأمر، ولكن لا تسمح بقتل الإطارات.

تحذير!

إذا توقف المحرك أو فقدت السيارة قوة الدفع للأمام على المرتفع أو المنحدر، فلا تحاول الانعطاف. قد يؤدي ذلك إلى إمالة السيارة أو التفافها مما قد يؤدي إلى حدوث إصابات بالغة. ارجع للخلف بحرص في اتجاه مستقيم مع وضع السيارة في ترس **REVERSE** (الرجوع للخلف). لا ترجع بالسيارة مطلقًا في وضع

(تابع)

قبل صعود تل شديد الانحدار

مع اقترابك لصعود مرتفع، ضع في اعتبارك تدرجه ومدى انحداره. حدد ما إذا كان شديد الانحدار. لاحظ القوة المبدولة في السحب على جانبي المرتفع. هل السحب مستقيم للأعلى أم للأسفل؟ ماذا يوجد في أعلى المرتفع وماذا في الجانب الآخر؟ هل توجد حفر أو صخور أو تفرعات أو أي عوائق أخرى في الطريق؟ هل يمكنك إصلاح السيارة في حالة حدوث أي عطل؟ إذا كان كل شيء يبدو جيدًا وشعرت بالثقة، فانقل ذراع ناقل الحركة إلى ترس أقل مع تشغيل 4WD LOW (الدفع الرباعي المنخفض)، وتابع التقدم بحذر مع الاحتفاظ بقوة الدفع أثناء صعود المرتفع.

صعود التلال

بمجرد شعورك بالقدرة على متابعة التقدم وقمت بنقل السرعة إلى ترس مناسب، فاجعل سيارتك في أكثر وضع مستقيم. قم بزيادة سرعتك مع استخدام الصمام الخانق بشكل متزامن وزد دفع السيارة عند البدء في صعود التل. لا تزد من سرعتك على طريق شديد الانحدار؛ فقد تؤدي الزيادة المفاجئة في السرعة إلى فقدانك للتحكم في السيارة. إذا بدأت السيارة في الوثب، فخفف من ضغطك على الصمام الخانق حتى تثبت الأربعة إطارات على الأرض. وبمجرد اتجاهاك لقمة التل، خفف من ضغطك على صمام الاختناق وتابع ببطء إلى القمة. وإذا بدأت العجلات في الانزلاق أثناء اتجاهاك لقمة التل، فخفف من سرعتك واحتفظ بحركتك إلى الأمام من خلال تدوير عجلة القيادة لأقل من ربع لفة بسرعة يمينًا ويسارًا. سيوفر ذلك قوة جر

تنبيه!

لا تحاول المرور فوق عائق ثابت قطره أكبر الخلوص الأرضي وإلا فقد تعلق السيارة من المركز.

المرور خلال عائق مرتفع

إذا علقت السيارة أو انحسرت من المركز بعائق ما، فأخرج من السيارة وحاول تحديد ما علقت به السيارة وما يعوق السيارة في هيكلها السفلي ثم حدد أفضل طريقة للخروج بالسيارة من هذا الموقف. وحسب الشيء الذي تعلقت به السيارة، قم برفع السيارة إلى الأعلى وضع القليل من الصخور تحت الإطارات حتى يخف وزن السيارة من على العائق العالي ثم أنزل السيارة للأسفل. يمكنك أيضًا هز السيارة أو رفعها بعيدًا عن العائق.

تنبيه!

يزيد رفع السيارة أو هزها من احتمالات تلف الهيكل السفلي للسيارة.

صعود المرتفعات

يتطلب صعود المرتفعات تقييماً وفهماً جيدين لقدراتك وحدود سيارتك. قد تتسبب المرتفعات في حدوث مشاكل خطيرة. وبعض المنحدرات تكون شديدة الانحدار ولا يجب محاولة صعودها. يجب أن تشعر دومًا بالثقة تجاه قدراتك وإمكانيات سيارتك. يجب دومًا صعود المرتفعات المستقيمة للأعلى وللأسفل. لا تحاول أبدًا صعود منحني بزاوية.

جديدة في السطح وسيوفر في العادة الجر الكافي لإكمال الصعود. إذا لم تصل إلى القمة، فضع السيارة في وضع الرجوع إلى الخلف وارجع للخلف باستخدام مقاومة المحرك مع فرامل السيارة.

تحذير!

لا تحاول صعود تل به منحنيات أو الالتفاف حول منحدر. تزيد القيادة على المنحنيات من خطر انقلاب السيارة مما قد يؤدي إلى حدوث إصابة بالغة.

نزول التلال

قبل نزول تل منحدر تحتاج لتحديد مدى انحداره لتحقيق هبوط آمن. ما قوة سحب السطح؟ هل الطريق شديد الانحدار لتقليل السرعة عند الهبوط؟ هل توجد عوائق؟ هل المهيط مستقيم؟ هل توجد مسافة كافية عند قاعدة التل لاستعادة التحكم في السيارة في حالة هبوطها بسرعة كبيرة؟ إذا شعرت بالثقة بفدرك على المتابعة، فتأكد من أنك تستخدم وضع 4WD LOW (الدفع الرباعي المنخفض) وتابع بحذر. دع فرملة المحرك تتحكم في الهبوط واستخدم الفرامل عند اللزوم، ولكن لا تسمح بقلل الإطارات.

تحذير!

لا تهبط المنحدر وأنت مستخدم وضع NEUTRAL (اللاتشيق). استخدم فرملة السيارة مع فرملة المحرك. قد يؤدي هبوط المنحدر بسرعة كبيرة إلى فقدان التحكم وحدوث إصابة بالغة أو الوفاة.

الممرور عبر واد منحدر أو أخدود أو أرض مجترفة أو طرق غير ممهدة

عند الممرور عبر واد منحدر أو أخدود أو أرض مجترفة أو طرق غير ممهدة، تكون القيادة بزواوية هي الطريقة المثالية للحفاظ على قدرة السيارة على التحرك. واجه هذه العوائق بزواوية قدرها 45 درجة واجعل الإطارات تمر عليها بشكل منفرد. يجب التعامل بحذر أثناء الممرور على عوائق عالية الأطراف. لا تحاول عبور أي عوائق كبيرة عالية الجوانب بزواوية كبيرة بدرجة كافية لتجعل السيارة في خطر الالتفاف. إذا تعثرت الإطارات في حفرة، فقم بالحفر بالجانبين الأيمن والأيسر وبزواوية 45 درجة أمام الإطارين الأماميين. استخدم الأوساخ لملء الحفر التي قمت بإنشائها. يجب أن يكون بإمكان القيادة عبر الحفر التي قمت بحفرها بزواوية قدرها 45 درجة.

تحذير!

يزداد خطر الالتفاف عند الممرور من عائق عالي الجوانب بأي زاوية.

الممرور عبر العوائق الثابتة

للممرور من عائق ثابت، قم بعبوره بزواوية صغيرة (حوالي 10 إلى 15 درجة). يسمح ذلك للإطار الأمامي الأول بأن يكون فوق العائق أثناء ملامسة الآخر للعائق. أثناء الممرور من فوق عائق ثابت، قم بتخفيف الفرامل والسرعة لتجنب نزول الإطار من على العائق. ثم أبعد السيارة عن العائق باستخدام الفرامل.

تحذير!

يمكن أن يؤدي عبور العوائق إلى تشغيل خطير لنظام القيادة مما قد يؤدي إلى فقدان السيطرة على السيارة.

استخدام جهاز استكشاف

في الكثير من الأوقات يكون من الصعب رؤية العوائق أو تحديد المسار الصحيح. وقد يكون من الصعب إلى حد بعيد تحديد المسار الصحيح عند القيادة في طريق مليء بالعوائق. في هذه الحالات يجب أن يرشدك أحد الأشخاص للممرور عبر العوائق أو حولها. اجعل الشخص يقف في مكان آمن أمامك كي يمكنه رؤية العوائق وملاحظة الإطارات ومحمل السيارة وإرشادك للممرور.

الممرور عبر صخور كبيرة

عند القيادة في طريق به صخور ضخمة، اختر مسارًا يؤمن لك الممرور فوق أكبر الصخور بالإطارات. سيؤدي ذلك إلى ترك محمل السيارة على العوائق. مداخلات السيارة أقوى وأسماك من الجدار الجانبي وقد تم تصميمها لتحمل الصدمات. انظر دومًا للأمام وابتدل كل مجهودك للممرور من الصخور الكبيرة بإطاراتك.

تنبيه!

- لا تحاول أبدًا الممرور من فوق صخرة كبيرة قد تؤدي إلى تحطيم محاور العجلات ومحملات السيارة.
- لا تحاول أبدًا الممرور فوق صخرة كبيرة قد تحتك بعقب الأبواب.

بتقليل ضغط الإطارات ليكون حدها الأدنى هو 15 رطلاً لكل بوصة مربعة (103 كيلوباسكال) للسماح بزيادة مساحة سطح الإطارات. سيؤدي تقليل ضغط الإطارات إلى زيادة قوة سحب السيارة أثناء القيادة عبر الطرق الرملية الناعمة، ولكن يجب إرجاع ضغط هواء الإطارات إلى وضعة الطبيعي على الطرق المرصوفة أو الأسطح الصلبة الأخرى. تأكد من أن لديك وسيلة لنفخ الإطارات قبل تقليل ضغط الهواء بها.

تنبيه!

قد يؤدي تقليل ضغط الإطارات إلى عدم ثبات السيارة وفقدان ضغط الهواء بالكامل. لتقليل الخطر الناتج عن عدم ثبات السيارة وإفراغ الإطارات، قم بتقليل سرعة السيارة وتجنب الانحناءات الخطيرة أو المناورات المفاجئة أثناء تقليل ضغط الإطارات.

تجاوز العوائق (الصخور وأي مناطق عالية)

عند القيادة على طريق غير ممهد، قد تصادفك عدة أنواع من التضاريس. قد تتضمن هذه التضاريس عدة أنواع مختلفة من العوائق. قبل متابعة السير، راجع الطريق لتحديد أسلوب القيادة الصحيح وقدرتك على إصلاح السيارة في حالة حدوث أي عطل. تمسك جيدًا بعجلة القيادة مع إيقاف السيارة تمامًا ثم تقدم ببطء حتى تقوم باجتياز العائق. قم بتشغيل الصمام الخانق مع الضغط على الفرامل بخفة وقم باجتياز العائق.

تنبيه!
على الطرق الجليدية أو الزلقة، لا تقم بتخفيف السرعة لأن ذلك قد يؤدي إلى تزلزل السيارة وفقدان التحكم فيها.

تنبيه!
لا تستخدم نطاق 4WD LOW (الدفع الرباعي المنخفض) عند قيادة السيارة على طريق جاف. فقد يتسبب ذلك في تلف مجموعة نقل الحركة.

تحذير!
قم دومًا بارتداء حزام الأمان مع ربط أي حمولة بالسيارة بشكل جيد. قد تصبح أي حمولات غير آمنة إلى قذائف عند حدوث أي موقف على الطرق غير الممهدة.

الطين

تؤدي الطرق الطينية العميقة إلى إنشاء طبقة طينية حول إطارات السيارة مما يُصعب حركتها. حدد وضع SAND/MUD (الرمال/الوحل) من أوضاع TRX للحصول على السحب الأمثل والقدرة على المناورة في هذه الظروف. وإذا بدأت في إبطاء السيارة لإيقافها، فحاول ألا تدبر عجلة القيادة أكثر من ربع لفة بسرعة يمينًا ويسارًا للحصول على قوة جرة إضافية. تمثل الحفر الطينية خطرًا متزايدًا لإتلاف السيارة وجعلها غير قادرة على الحركة. ومن الطبيعي أن توجد بقايا من السيارات التي مرت بهذه الثقوب من قبل نتيجة لعدم قدرتها على الحركة. وكإجراء جيد قبل الدخول في أي حفر طينية، قم بالنزول من السيارة ومعاينة الحفر لتحديد عمقها، لملاحظة أي عوائق خفية وهل يمكن للسيارة اجتيازها بأمان.

الرمل

حدد وضع MUD/SAND (الوحل/الرمال) من أوضاع TRX. من الصعب للغاية السفر عبر الأراضي الرملية الناعمة مع اكتمال ضغط هواء الإطارات. عند المرور عبر مناطق رملية ناعمة، احتفظ بثبات سيارتك ولا توقف السيارة. تعتبر الوسيلة الأفضل للقيادة عبر الأراضي الرملية الناعمة هي استخدام ضغط هواء الإطارات المناسب مع السير ببطء وتجنب المناورات الخطيرة مع الاحتفاظ بقوة دفع السيارة. إذا كنت تنوي السير عبر مناطق واسعة من الأراضي الرملية الناعمة أو الكثبان، فقم

الفرملة المتزامنة وتشغيل الصمام الخانق

تتطلب ظروف كثيرة للقيادة على الطرق غير الممهدة استخدام الفرامل بشكل متزامن إلى جانب صمام الاختناق (القيادة باستخدام القدمين). عند المرور بمناطق صخرية أو أي عوائق ثابتة، يؤدي الضغط الخفيف على الفرامل مع الصمام الخانق إلى الاحتفاظ بثبات السيارة وعدم تأميلها. تستخدم أيضًا هذه التقنية عندما تريد التوقف ثم إعادة تشغيل السيارة على منحني شديد الانحدار.

القيادة على الطرق الثلجية والطينية والرملية

الثلوج

في ظروف تساقط الثلوج بكثرة أو لمزيد من التحكم والجر بسرعات أقل، حدد وضع SNOW (الثلوج) من أوضاع TRX. سيؤدي ذلك إلى تحسين الجر والثبات في هذه الظروف. لا تنتقل إلى ترس منخفض أكثر من اللازم للمحافظة على الحركة للأمام. إن زيادة عدد دورات المحرك قد يؤدي إلى تسارع دوران العجلات وفقدان الجر. إذا بدأت في إبطاء السيارة لإيقافها، فحاول ألا تدبر عجلة القيادة أكثر من ربع لفة بسرعة يمينًا ويسارًا أثناء استخدام صمام الاختناق. سيسمح ذلك بحصول الإطارات على قوة جر جديدة والمساعدة في الحفاظ على قوتك الدافعة.

تنبيه!

لا تقم أبدًا بإيقاف سيارتك على حشائش جافة أو أي مواد قابلة للاشتعال. قد تؤدي الحرارة الناتجة عن نظام العادم إلى اشتعال حريق.

الوقت المناسب لاستخدام 4WD LOW (الدفع الرباعي المنخفض)

عند القيادة على الطرق غير الممهدة، انتقل إلى 4WD LOW (الدفع الرباعي المنخفض) للحصول على المزيد من طاقة الجر والقدرة على التحكم على الطرق الزلقة أو الوعرة أو لصعود منحدر شديد الانحدار أو النزول منه ولزيادة طاقة السحب المنخفض السرعة. يجب أن يكون استخدام هذا النطاق محدودًا بظروف القيادة بالغة الصعوبة مثلما هو الحال عند القيادة في الأراضي الثلجية العميقة أو الطينية أو الرملية أو عند الاحتياج إلى طاقة سحب منخفض السرعة. يجب تجنب سرعات السيارة التي تزيد عن 88 كم/الساعة (55 ميلًا في الساعة) عند استخدام وضع 4WD LOW (الدفع الرباعي المنخفض).

ومن مزايا الخلوص الأرضي الأعلى هو تحسين الرؤية للطريق وإمكان توقع المشكلات. إن هذه السيارات غير مصممة للانعطاف بنفس سرعة سيارات الركاب التقليدية، وهو أمر شبيه بما ينطبق على السيارات الرياضية المنخفضة فهي غير مصممة للعمل بصورة جيدة في الطرق غير الممهدة. حاول تفادي الانعطافات الحادة أو المناورات المفاجئة. وقد يؤدي عدم تشغيل هذه السيارة بصورة صحيحة، كما هو الحال بالنسبة للسيارات الأخرى من نفس النوع، إلى فقدان السيطرة عليها أو انقلاب السيارة.

إرشادات القيادة على الطرق غير الممهدة

أساسيات القيادة على الطرق غير الممهدة

قد تصادفك عدة أنواع من الطرق غير الممهدة. يجب أن تعلم تضاريس المنطقة قبل المتابعة في القيادة. توجد عدة أنواع لظروف السطح: صلب مليء بالأوساخ وحصوي وصخري وعشبي ورملي وطيني إلى جانب الطرق الجليدية. لكل طريق تأثيره المختلف في توجيه سيارتك والتحكم فيها وقدرتها على السحب. التحكم في السيارة هو أحد المفاتيح لنجاح القيادة على الطرق غير الممهدة، ولذا فقم دومًا بإمسك عجلة القيادة بحزم واحتفظ بثبات وضع السيارة على الطريق. تجنب زيادة السرعة أو الانحناء أو الفرملة بشكل مفاجئ. في معظم الحالات، لا توجد علامات على الطريق للإعلان عن حدود السرعة أو إشارات ضوئية. ولذا يلزمك استخدام تقدير الجيد لما هو آمن وما هو غير آمن. عند القيادة على ممر يجب دومًا النظر أمامك لملاحظة أي عوائق أو تغيرات في تضاريس المنطقة. والحل هو التخطيط لطريقك القادم أثناء تذكر الطريق الذي تقود عليه الآن.

- بعد القيادة لمدة طويلة في الطين أو الرمل أو الماء، أو ظروف مماثلة، افحص أسطوانات وبطانات شبكة تبريد السيارة والمروحة والفرامل والعجلات ووصلات محور الدوران للفحص ونظفها بأسرع ما يمكن.

تحذير!

قد يتسبب استخدام مواد كاشطة على أي جزء من الفرامل في تزايد بلي الفرامل أو الفرملة غير المتوقعة. قد لا تتوافر لديك طاقة الفرامل الكاملة عند احتياجك لها لمنع الحوادث. إذا كنت تقود السيارة في ظروف متربة، افحص الفرامل ونظفها إذا لزم الأمر.

- إذا واجهت اهتزاز غير عادي بعد القيادة في الطرق الطينية أو الموحلة أو ما يشابهها، افحص العجلات للتأكد من عدم تواجد الأوساخ بين السنون. فقد تتسبب هذه الأوساخ في عدم اتزان العجل وتخليص العجلات منها يصبح هذا الموقف.

نصائح القيادة - طراز TRX

إرشادات القيادة على الطرق الممهدة

تتميز الشاحنات على الطرق غير الممهدة بخلوص أعلى عن الأرض، وزيادة في حركة التعليق لجعلها قادرة على العمل على مجموعة كبيرة ومتنوعة من تطبيقات الطرق غير الممهدة. توفر لهم مواصفات التصميم الخاصة مركز ثقل أعلى من سيارات الركاب التقليدية.

عند القيادة على الرمال أو الوحل أو الأراضي اللينة الأخرى، قم بنقل التروس إلى ترس منخفض والقيادة بشكل ثابت. واضغط على دواسة البنزين ببطء لتجنب تدوير العجلات بسرعة.

لا تقلل ضغط الإطار لهذا النوع من القيادة.

بعد القيادة على طرق غير ممهدة

تضع القيادة على الطرق الممهدة المزيد من الضغط على السيارة أكثر مما هو حادث عند القيادة على معظم الطرق. يفضل بعد الانتهاء من القيادة على طريق غير ممهد التأكد من عدم وجود أي تلفيات. وبهذه الطريقة يتم التعامل مع أي مشكلة بشكل صحيح وتكون سيارتك جاهزة حال احتياجك لها.

- افحص الجزء السفلي من السيارة بالكامل. افحص الإطارات وهيكل البدن وعجلة القيادة وآلية التعليق ونظام العادم للتأكد من عدم وجود تلف.
- افحص الرادياتير بحثًا عن وجود طين أو راسب، وقم بتنظيفه إذا لزم الأمر.
- افحص المثبتات (المسامير وما شابه) للتأكد من شدها، خصوصًا تلك الموجودة على الشاسيه ومكونات مجموعة الدفع والحركة وعجلة القيادة وآلية التعليق. أعد شد هذه المثبتات إذا تطلب الأمر، وانقل العزم إلى القيم المحددة في كتيب الصيانة.
- تأكد من عدم تراكم النباتات أو أي أغصان. تمثل هذه الأشياء مصدرًا للحرائق. وقد تسبب تلف غير ظاهر في خطوط الطاقة وخرائط الفرامل وسدادات محور الدوران وأعمدة الدعم.

الماء السطحي الراكد

على الرغم من إمكانية سير سيارتك عبر الماء السطحي الراكد، فإن عليك مراعاة الاحتياطات والتحذيرات التالية قبل القيام بذلك.

تحذير!

- إن القيادة عبر الماء الراكد تقلل من إمكانيات الجر بالسيارة. لا تتجاوز سرعة 8 كم/ساعة (5 أميال/ساعة) عند القيادة عبر الماء الراكد.
- إن القيادة عبر الماء الراكد تقلل من إمكانيات الفرامل بالسيارة وهو ما يزيد من المسافات اللازمة للتوقف. لذلك عليك بقيادة السيارة ببطء مع الضغط الخفيف على دواسة الفرامل عدة مرات لتجفيف الفرامل بعد القيادة عبر الماء الراكد.
- إن عدم اتباع هذه التحذيرات قد ينجم عنه إصابات خطيرة أو مميتة لك وللركاب ومن هو بالقرب منك.

تنبيه!

- تأكد دائماً من عمق الماء الراكد قبل القيادة خلاله. لا تقد مطلقاً عبر الماء الراكد الأعظم من أسفل حواف الإطار المركبة على السيارة.
- حدد حالة الطريق أو المسار أسفل المياه وإذا ما كان هناك أي عوائق به قبل القيادة عبر الماء الراكد.
- لا تتجاوز سرعة 8 كم/ساعة (5 أميال/ساعة) عند القيادة عبر الماء الراكد. سوف يقلل ذلك من تأثير الموجة.

(تابع)

تحذير!

يعد التسارع المطرد على الأسطح الزلقة خطيراً. قد يؤدي الجر غير المتساوي إلى حدوث سحب مفاجئ للعجلات الخلفية. قد تفقد القدرة على التحكم في السيارة، وقد يحدث اصطدام. احرص على زيادة سرعة السيارة ببطء وانتبه عند حدوث انخفاض في قوة القتر من حين إلى آخر (عند السير في الثلج أو الجليد أو الطين المبلل أو الرمال المتحركة، إلخ).

القيادة على طرق مغمورة بالمياه

تتطلب القيادة في الماء الذي يصل عمقه إلى أكثر من عدة سنتيمترات/بوصات توخي مزيد من الحذر لضمان السلامة وتجنب تلف السيارة.

الماء المتدفق/الصاعد

تحذير!

لا تقد السيارة في أو عبر طريق أو مسار حيث يتدفق الماء ويصعد (كما في العواصف). فالمياه المتدفقة تتسبب في بلي سطح الطريق وهو ما يجعل سيارتك تغوص في الماء العميق. علاوة على ذلك يمكن للمياه المتدفقة و/أو الصاعدة حمل سيارتك بعيداً بشكل مفاجئ. إن عدم اتباع هذا التحذير قد ينجم عنه إصابات خطيرة أو مميتة لك وللركاب ومن هو بالقرب منك.

تنبيه!

- قد تتسبب القيادة عبر الماء الراكد في تلف مكونات مجموعة الدفع والحركة بالسيارة. افحص دائماً سائل السيارة (مثل زيت المحرك وناقل الحركة والمحور، إلخ) للتأكد من عدم وجود علامات على وجود تلوث بها (مثل ظهور السائل بمظهر لبنّي أو رغوي) بعد قيادة السيارة عبر الماء الراكد. لا تستمر في تشغيل السيارة إذا ظهر أي سائل بشكل ملوث لأن ذلك قد ينجم عنه تلف أكبر. لا يغطي ضمان السيارة الجديدة المحدود مثل هذا التلف.
- إن دخول الماء داخل محرك السيارة قد يتسبب في توقفها وتلف داخلي خطير بالمحرك. لا يغطي ضمان السيارة الجديدة المحدود مثل هذا التلف.

إرشادات القيادة على الطرق غير الممهدة

يجب الحذر عند محاولة صعود مرتفعات شديدة الانحدار أو القيادة بشكل قطري عبر تل أو منحدر. إذا أجبرتك العوائق الطبيعية على السير بشكل قطري إلى أعلى أو أسفل تل، فاختر زاوية معتدلة واحتفظ بأقل قدر ممكن من ميل السيارة. استمر في قيادة السيارة وقم بإجراء الانعطافات ببطء وحرص.

إذا كان يتعين عليك هبوط تل عن طريق الرجوع للخلف، فقم بالهبوط باستخدام ترس REVERSE (الرجوع للخلف). لا تقم بالهبوط في وضع ترس اللاتشيك، أو تقم بالهبوط قترياً عبر تل.

ملاحظة:

- الخطوات من 3 إلى 4 هي متطلبات يجب استيفاؤها قبل الضغط على الزر للانتقال خارج وضع N (محديد)، ويجب الاستمرار في استيفائها حتى اكتمال النقل. في حالة عدم استيفاء أي من هذه المتطلبات قبل الضغط على الزر أو عدم الحفاظ على استيفائها خلال النقل، سيومض ضوء مؤشر المحديد (N) بشكل مستمر حتى يتم استيفاء جميع المتطلبات أو حتى يتم تحرير الزر.
- يجب أن يكون مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق) حتى يتم النقل وحتى يضيء ضوء مؤشر الوضع. إذا لم يكن مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق) فلن يحدث النقل ولن تضاء أو تومض أي أضواء مؤشر الوضع.
- يشير مصباح مؤشر وضع المحديد (N) الوامض إلى أن متطلبات النقل لم يتم استيفاؤها.

إرشادات القيادة**القيادة على الأسطح الزلقة****التسارع**

قد ينتج عن التسارع المطرد على الأسطح المغطاة بالثلوج أو الأسطح المبللة أو أي أسطح زلقة أخرى إلى انحراف عجلات القيادة ناحية اليمين أو اليسار. تحدث هذه الظاهرة عند ظهور اختلاف في قوة الجر السطحي تحت العجلات الخلفية (القيادة).

للتعليق الهوائي أن يقوم بضبط ارتفاع ركوب السيارة لتعويض تأثيرات درجة الحرارة.

الانتقال من وضع N (المحديد)

استخدم الإجراء التالي لتحضير سيارتك للاستخدام العادي:

1. أوقف السيارة تمامًا، واتركها متصلة بسيارة السحب.
2. اضغط على دواسرة الفرامل مطولاً.
3. قم بتشغيل المحرك. استعمل فرامل التوقف. نقل ناقل الحركة إلى وضع NEUTRAL (المحديد).
4. باستخدام قلم ذي سن كروية أو أداة مشابهة، اضغط مع الاستمرار على زر N (محديد) الغائر في علبة النقل (الموجود في منتصف مفاتيح علبة النقل).
5. بعد انطفاء ضوء مؤشر وضع Neutral (الالتشويق)، قم بتحرير زر Neutral (الالتشويق).
6. قم بإيقاف تشغيل المحرك. سيحدد ناقل الحركة وضع PARK (التوقف) أوتوماتيكياً عند إيقاف تشغيل المحرك.
7. حرر دواسرة الفرامل.
8. قم بفصل السيارة من سيارة السحب.
9. اضغط على دواسرة الفرامل مطولاً.
10. قم بتشغيل المحرك.
11. حرر فرامل التوقف.
12. قم بتغيير ناقل الحركة إلى وضع القيادة، وحرر دواسرة الفرامل، وتحقق من عمل السيارة بشكل طبيعي.

11. قم بتوصيل السيارة بسيارة سحب عن طريق قضيب سحب مناسب.

12. أدر مفتاح التشغيل إلى وضع ON/RUN (التشغيل/الانطلاق)، لكن لا تقم بتشغيل المحرك.

13. حرر فرامل التوقف.

14. أدر مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل).

ملاحظة:

- الخطوات من 2 إلى 3 هي متطلبات يجب استيفاؤها قبل الضغط على زر N (محديد) ويجب الاستمرار في استيفائها حتى اكتمال التبديل. في حالة عدم استيفاء أي من هذه المتطلبات قبل الضغط على زر الالتشويق (N) أو عدم الحفاظ على استيفائها خلال النقل، سيومض ضوء مؤشر الالتشويق (N) بشكل مستمر حتى يتم استيفاء جميع المتطلبات أو حتى يتم تحرير زر الالتشويق (N).
- يجب أن يكون مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق) حتى يتم النقل وحتى يضيء ضوء مؤشر الوضع. إذا لم يكن مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق) فلن يحدث النقل ولن تضاء أو تومض أي أضواء مؤشر الوضع.
- يشير مصباح مؤشر وضع المحديد (N) الوامض إلى أن متطلبات النقل لم يتم استيفاؤها.
- إذا كانت السيارة مزودة بنظام التعليق الهوائي، فينبغي أن يبدأ المحرك في العمل وأن يترك قيد التشغيل لمدة 60 ثانية كحد أدنى مع إغلاق جميع الأبواب على الأقل مرة كل 24 ساعة. سوف تسمح هذه العملية

ملاحظة:

إذا كانت السيارة مزودة بنظام التعليق الهوائي فتأكد من أن السيارة قد تم ضبطها على ارتفاع الركوب العادي.

4. باستخدام قلم ذي سن كروية أو أداة مشابهة، اضغط مع الاستمرار على زر N (محايد) الغائر في علبة النقل (الموجود في منتصف مفاتيح علبة النقل). سيضيء ضوء مؤشر Neutral (اللاتعشيق) (N) ويظل مصبباً عند اكتمال التبديل إلى وضع Neutral (اللاتعشيق) (N). بعد اكتمال النقل وإضاءة مصباح وضع اللاتعشيق (N)، حرر زر اللاتعشيق (N).

5. حرر فرامل التوقف.

6. قم بتغيير ناقل الحركة إلى ترس REVERSE (الرجوع للخلف).

7. حرر دواسة الفرامل لمدة 5 ثواني وتأكد من عدم وجود حركة بالسيارة.

8. كرر الخطوتين 6 و 7 أثناء وجود ناقل الحركة في وضع DRIVE (القيادة).

9. انقل ناقل الحركة إلى وضع NEUTRAL (اللاتعشيق). استعمل فرامل التوقف. قم بإيقاف تشغيل المحرك. بالنسبة إلى السيارات المزودة بميزة الحركة والتشغيل من دون مفتاح 'n Keyless Enter Go™، اضغط مطولاً على زر ENGINE START/STOP (بدء تشغيل/إيقاف المحرك) حتى يتم إيقاف تشغيل المحرك. سيحدد ناقل الحركة وضع PARK (التوقف) أوتوماتيكياً عند إيقاف تشغيل المحرك.

10. أدر مفتاح التشغيل إلى وضع إيقاف التشغيل.

تحذير!

فقد تتعرض أنت أو الآخرون للإصابة أو الوفاة إذا تركت السيارة دون رقابة مع وجود علبة النقل في وضع N (اللاتعشيق) دون استخدام فرامل التوقف أولاً بشكل كامل. يقوم وضع N (اللاتعشيق) لعلبة النقل بفصل كل من عمودي الإدارة الأمامي والخلفي عن مجموعة الدفع والحركة، ويسمح للسيارة بالحركة حتى وإن كان ناقل الحركة في وضع PARK (التوقف). يجب استخدام فرامل التوقف دائماً عندما لا يكون السائق موجوداً في السيارة.

تنبيه!

من الضروري اتباع هذه الخطوات للتأكد من وجود علبة نقل التروس في وضع اللاتعشيق الكامل N قبل الجر من أجل الاستجمام لمنع تلف الأجزاء الداخلية.

1. أوقف السيارة تماماً على أرض مستوية أثناء تشغيل المحرك. استعمل فرامل التوقف.
2. اضغط على دواسة الفرامل مطولاً.
3. انقل ناقل الحركة إلى وضع NEUTRAL (محايد). يجب غلق باب السائق (أو ربط حزام أمان السائق) حتى يظل ناقل الحركة في وضع NEUTRAL (اللاتعشيق) عند تحرير دواسة الفرامل.

تنبيه!

- قبل الجر من أجل الاستجمام، يجب أن تكون علبة النقل في وضع N (اللاتعشيق). للتأكد من أن علبة النقل في وضع N (اللاتعشيق) بالكامل، نفذ الإجراء الموضح في "الانتقال إلى وضع N (اللاتعشيق)". قد يحدث تلف داخلي بناقل الحركة، إذا لم تكن علبة النقل في وضع N (اللاتعشيق) في أثناء السحب.
- يجب وضع ناقل الحركة الأوتوماتيكي في وضع PARK (التوقف) للقيام بالجر من أجل الاستجمام.
- تأكد من تحرير فرامل التوقف الكهربائية، وأنها لا تزال في وضع التحرير أثناء سحب السيارة.
- يمكن أن ينجم عن سحب هذه السيارة بالمخالفة للمتطلبات المذكورة أعلاه حدوث أضرار بالغة في ناقل الحركة و/أو علبة نقل التروس. ولا يغطي ضمان السيارة الجديدة التلف الناجم عن جرها بشكل غير سليم.
- لا تفصل عمود الإدارة الخلفي لأن السائل سيتسرب من علبة نقل التروس ويؤدي إلى تلف الأجزاء الداخلية.
- لا تستخدم قضيب سحب قاطم مركباً على الواجهة/المصد في سيارتك. حيث يؤدي ذلك إلى تلف قضيب وجه المصد/الواجهة.

الانتقال إلى وضع N (محايد)

استخدم الإجراء التالي لتحضير سيارتك للجر من أجل الاستجمام.

السحب من أجل الاستجمام (خلف عربة منزل متنقل)

سحب هذه السيارة خلف سيارة أخرى

ظروف السحب	العجلات مرفوعة عن الأرض	طُرز الدفع الرباعي
السحب المسطح	لا يوجد	راجع التعليمات • ناقل الحركة في وضع PARK (التوقف) • علبة النقل في وضع N (اللاتعشيق) • السحب باتجاه أمامي
دلية السحب	الأمام	غير مسموح
	الخلف	غير مسموح
على المقطورة	الكل	OK (موافق)

4

ملاحظة:

- عند جر سيارتك، اتبع دائمًا القوانين المعمول بها في الولايات والمقاطعات. اتصل بمكاتب سلامة الطرق السريعة بالدولة والمقاطعات للتعرف على مزيد من التفاصيل.
- يجب وضع السيارات المزودة بنظام التعليق الهوائي النشط للتسوية عند الزوايا الأربع في وضع Transport (النقل) قبل سحبها (من الهيكل) على مقطورة أو شاحنة ذات سطح مفتوح. صفحة ١٦٠. إذا تعذر وضع السيارة في وضع النقل (على سبيل المثال، لا يعمل المحرك)، فيجب تثبيت الأربطة بالمحاور (وليس بهيكل السيارة). قد يؤدي عدم اتباع هذه التعليمات إلى ضبط رموز خاطئة و/أو فقدان قوة التثبيت.

الجر من أجل الاستجمام - طُرز الدفع الرباعي

ملاحظة:

يجب نقل علبة نقل التروس إلى وضع اللاتعشيق N للسحب خلف عربات البيوت المتنقلة. ويجب نقل ناقل الحركة إلى وضع PARK (التوقف) للقيام بالجر من أجل الاستجمام. ارجع إلى ما يلي لمعرفة الإجراء الصحيح لغيرات وضع اللاتعشيق (N) بعلبة النقل.

تنبيه!

- لا تقم بقطر أي سيارة مزودة بالدفع الرباعي باستخدام دليات سحب. سوف يتسبب السحب مع وجود مجموعة واحدة من العجلات على الأرض (الأمامية أو الخلفية) في حدوث تلف بالغ في ناقل الحركة و/أو علبة النقل. قم بالسحب مع وجود جميع العجلات الأربع إما على الأرض أو مرفوعة عن الأرض (باستخدام مقطورة سيارة).
- قم بالسحب في الاتجاه الأمامي فقط. يمكن أن يؤدي سحب هذه السيارة للخلف إلى تلف شديد بعلبة النقل.

(تابع)

ملاحظة:

افصل جرافة الثلج عند نقل الركاب.
تم ضبط محاذاة العجلة الأمامية في المصنع طبقاً للمواصفات دون أخذ وزن جرافة الثلج في الاعتبار. يجب فحص آلية السحب الأمامي وإعادة ضبطها إذا لزم الأمر في بداية ونهاية موسم إزالة الثلوج. وهذا يساعد على منع التآكل غير المتساوي للإطارات.
يجب خفض الشفرة عند إيقاف السيارة.

قم بصيانة وتشغيل السيارة ومعدات إزالة الثلوج طبقاً للمواصفات التي توفرها الشركة المصنعة لمعدات إزالة الثلوج المحددة.

القيادة على طريق مع تركيب جرافة الثلج

تحد الشفرة من تدفق الهواء إلى الرادياتير وتتسبب في تشغيل المحرك في درجات حرارة أعلى من درجات الحرارة العادية. ولذلك عند نقل الجرافة، حرك شفرتها بزاوية 369 درجة وضعها في أدنى وضع يسمح به الطريق وظروف سطح الطريق. لا تتجاوز سرعة 64 كم/ساعة (40 ميلاً/ساعة). يجب أن يوقف المشغل السيارة دائماً على مسافة تكفل السلامة للمارة ويسمح بمساحة مرور ملائمة.

ملاحظة:

لا يتوفر نظام التحذير من مغادرة الحارة / مساعد الحفاظ على الحارة عند تركيب جرافة الثلج.

نصائح التشغيل

في ظروف إزالة الثلوج المثالية، يجب أن تكون سرعة 32 كم/الساعة (20 ميلاً/الساعة) هي أقصى سرعة تشغيل. يجب أن يكون المشغل على دراية بالمنطقة والسطح الذي سيتم تنظيفه. اخفض السرعة وكن حريصاً للغاية عند إزالة الثلوج من المناطق غير المعروفة أو في ظروف الرؤية المنخفضة.

الصيانة العامة

يجب صيانة جرافات الثلج وفقاً لتعليمات الشركة المصنعة للجرافات.

حافظ على نظافة جميع الوصلات الكهربائية لجرافة الثلج وأطراف توصيل البطارية، وخلوها من التآكل.

عند إزالة الثلج، يجب مراعاة الاحتياطات الآتية لتجنب تلف ناقل الحركة ومجموعة الدفع والحركة:

- قم بتشغيل السيارة مع وجود علبة النقل في وضع 4WD LOW (الدفع الرباعي المنخفض) عند إزالة الثلج من مناطق صغيرة أو مزدحمة يقل فيها احتمال تجاوز سرعة 24 كم/الساعة (15 ميلاً/الساعة). قم بتشغيل السيارة في وضع 4WD HIGH (الدفع الرباعي العالي) في السرعات الأعلى.
- يجب أن تستخدم السيارات المزودة بناقلات الحركة الأوتوماتيكية وضع 4WD LOW (الدفع الرباعي المنخفض) عند إزالة ثلوج عميقة أو ثقيلة لفترات طويلة لتجنب فرط سخونة ناقل الحركة.
- لا تقم بتغيير ترس ناقل الحركة حتى يعود المحرك إلى سرعة التباطؤ وتتوقف العجلات. قم بتجربة الضغط بالقدم على دواسة الفرامل أثناء تغيير ناقل الحركة.

- افحص الشفرات والحواف القاطعة بحثًا عن مناطق التآكل الزائد. يجب أن يتراوح حجم الحافة القاطعة من 6 إلى 1.2 سم (¼ إلى ½ بوصة) فوق الأرضية في وضع جرافة الثلج.
- تأكد من توصيل مصباح جرافة الثلج وإضاءته بشكل صحيح.

توفر الحزمة التحضيرية لطراز جرافة الثلج للحصول على معلومات بشأن تطبيقات جرافة الثلج تفضل زيارة ramtrucks.com أو ارجع إلى rambodybuilder.com.

1. يجب ألا يزيد أقصى عدد للركاب في الشاحنة عن واحد.
 2. يجب عدم تجاوز معدل الوزن الإجمالي للسيارة أو معدل الوزن الإجمالي لمحور الدوران الأمامي أو معدل الوزن الإجمالي لمحور الدوران الخلفي.
 3. تنخفض سعة الحمولة عن طريق إضافة المعدات الاختيارية والركاب، إلخ.
- يجب ألا يتجاوز وزن السيارة المحملة بما في ذلك نظام إزالة الثلج والملحقات البديلة والسائق والركاب والمعدات الاختيارية والحمولة معدلي الوزن الإجمالي للسيارة أو الوزن الإجمالي لمحور الدوران. يتم تحديد هذه الأوزان في ملصق شهادة التوافق مع معايير السلامة في فتحة باب السائق.

ملاحظة:

قبل تركيب معدات إزالة الثلج، يُنصح بشدة بأن يحصل المالك/المثبت على التوصيات الموجودة في دليل مصمم هيكل السيارة ويتبعها. راجع الوكيل المعتمد أو جهة تركيب أو جهة تصنيع جرافة الثلج للحصول على هذه المعلومات. هناك أنظمة كهربائية فريدة يجب توصيلها لضمان سلامة المشغل ومنع التحميل الزائد على أنظمة السيارة.

تحذير!

وقد يؤدي توصيل جرافة ثلج بهذه السيارة إلى التأثير بشكل سلبي على أداء نظام الوسائد الهوائية عند وقوع تصادم. لا تتوقع أن تعمل الوسادة الهوائية بالشكل الموصوف سابقًا في هذا الدليل.

تنبيه!

يمكن أن يضيء مؤشر "Lamp Out" (لا يوجد مصباح) في حالة عدم تركيب المصابيح الخارجية بشكل صحيح.

قبل إزالة الثلج

- افحص النظام الهيدروليكي بحثًا عن التسربات والتأكد من صحة مستوى السائل.
- افحص مسامير وصواميل التركيب للتأكد من صحة إحكامها.

التحكم في السرعة الثابتة - إذا كانت السيارة مزودة بذلك

- لا تستخدمه على المرتفعات أو مع الأحمال الكبيرة.
- إذا حدثت انخفاضات في السرعة أكبر من 16 كم/ساعة (10 أميال/ساعة) عند استخدام التحكم في السرعة الثابتة، فافصله حتى تصل السيارة إلى سرعة التشغيل المناسبة.
- استخدم مفتاح التحكم في السرعة في الأراضي المسطحة مع وجود أحمال خفيفة لزيادة الاقتصاد في الوقود.

نظام التعليق الهوائي

يمكنك استخدام نظام التعليق الهوائي للمساعدة في توصيل/فصل المقطورة بالسيارة (صفحة ١٦٠). يؤدي تحديد وضع Tow/Haul (السحب/الجر) أو توصيل مقطورة باستخدام وحدة فرامل المقطورة المدمجة (ITBM) إلى تعطيل وضع Automatic Aero (الهوائي الأوتوماتيكي) لتجنب تغيير الارتفاع أثناء السحب ونقل الأحمال أو أوزان اللسان.

ملاحظة:

يجب أن تظل السيارة في وضع تشغيل المحرك عند توصيل المقطورة للحصول على الضبط الصحيح لنظام التعليق الهوائي.

جرافة الثلج

تتوفر حزم جرافات الثلج التحضيرية كمعدات اختيارية يتم تركيبها في المصنع. تتضمن هذه الحزم المكونات الضرورية لتزويد السيارة بجرافة ثلج.

التحقق من ضوء المقطورة

تقوم هذه الميزة بتنشغيل أضواء المقطورة من خلال تسلسل للتحقق من عمل ضوء المقطورة. وهي متوفرة في مجموعة أجهزة القياس ضمن قائمة سحب المقطورة
(صفحة ١١٤).

عند تنشيط الميزة، ستقوم بتمكين كل الأضواء الخارجية بصورة متتابعة لمدة تصل إلى خمس دقائق للسير حول السيارة والتحقق من التشغيل. ستظل الأضواء الخارجية الآتية مضاءة طوال فترة التسلسل:

- مصابيح التوقف/ السير
- مصابيح التحديد الجانبي (إذا كانت السيارة مزودة بذلك)
- مصباح لوحة الأرقام
- المصباح المميز (إذا كانت السيارة مزودة بذلك)
- الأضواء المنخفضة
- مصابيح الضباب (إذا كانت السيارة مزودة بذلك)
- مصابيح أضواء النهار

خلال هذا الوقت، ستعمل الأضواء الآتية بصورة متتابعة، بحيث ينشط كل منها لمدة ثلاث ثوان:

1. مصباح الفرامل ومصباح التوقف العلوي المركزي (CHMSL) (ضوء الفرامل الثالث)
2. إشارة الانعطاف إلى اليسار
3. إشارة الانعطاف إلى اليمين
4. مصابيح الرجوع للخلف
5. الضوء العالي

سيستمر تسلسل الفحص الضوئي هذا لمدة إجمالية خمس دقائق.

وينشط هذا التسلسل فقط عند توفر الشروط الآتية:

- السيارة مزودة بمجموعة سحب المقطورة
- السيارة في وضع PARK (التوقف)
- السيارة ليست في حالة حركة
- مفتاح التشغيل في وضع ACC (الملحقات) أو وضع ON/RUN (التشغيل/الانطلاق)
- بدء التشغيل عن بُعد غير نشط
- الفرامل غير مستخدمة
- إشارة الانعطاف إلى اليسار غير مستخدمة
- إشارة الانعطاف اليميني غير مستخدمة
- مفتاح الخطر غير مستخدم

سيتم إلغاء التسلسل في حالة حدوث أي من الحالات الآتية:

- استخدام الفرامل
- نقل السيارة من وضع PARK (التوقف)
- لم تعد السيارة متوقفة
- تنشيط إشارة الانعطاف إلى اليسار من الذراع
- تنشيط إشارة الانعطاف إلى اليمين من الذراع
- تنشيط مفتاح الخطر
- الضغط على أي زر في حافظة المفاتيح
- الضغط على زر التشغيل
- تغيير وضع ذراع الضوء العالي
- إلغاء التسلسل في مجموعة أجهزة القياس

نصائح بشأن السحب

قبل الجر، قم بتجربة الانعطاف والتوقف والرجوع بالمقطورة إلى الخلف في منطقة بعيدة عن الازدحام المروري.

ناقل الحركة الأوتوماتيكي

يمكن تحديد نطاق ترس DRIVE (القيادة) عند السحب. تتضمن مفاتيح تحكم ناقل الحركة استراتيجية دفع لتجنب النقل المتكرر أثناء السحب. ولكن إذا تكرر تبديل التروس في وضع DRIVE (القيادة)، فحدد وضع TOW/"HAUL" (الجر/السحب) أو حدد نطاق ترس أقل (باستخدام مفاتيح الاختيار الإلكتروني للنطاق (ERS)).

ملاحظة:

يؤدي استعمال وضع TOW/HAUL (الجر/السحب) أو تحديد نطاق تروس منخفض (باستخدام نطاق التحديد الإلكتروني (ERS) للتحكم في نقل الحركة) أثناء استعمال السيارة في ظروف تحميل قاسية، إلى تحسين الأداء وإطالة عمر ناقل الحركة وذلك بتقليل نقل التروس الزائد عن الحد والحيلولة دون ارتفاع درجة الحرارة. يؤدي هذا الإجراء أيضًا إلى توفير قدرة أفضل على استخدام فرملة المحرك.

وضع Tow/Haul (السحب/الجر)

لخفض احتمال زيادة سخونة ناقل الحركة الأوتوماتيكي، قم بتنشيط وضع TOW/HAUL (الجر/السحب) عند القيادة في المناطق المرتفعة، أو حدد نطاق ترس أقل (باستخدام التحكم في نقل الحركة عبر الاختيار الإلكتروني للنطاق (ERS)) على الطرق الأشد انحدارًا.

لون السلك	الميزة	رقم السن
أبيض/أسود	إشارة الانعطاف إلى اليسار	1
أبيض	ضوء الضباب الخلفي	2
بنّي	الأرضي/العودة لأطراف الاتصال (السنون) 1 و 2 ومن 4 إلى 8	3 ^أ
أسود/أخضر	إشارة الانعطاف إلى اليمين	4
أخضر/أحمر	الوضع الخلفي الأيمن ومصابيح التحديد الجانبية وجهاز إضاءة لوحة الترخيص الخلفية. ^ب	5
أسود/أحمر	مصابيح التوقف	6
أخضر/أسود	الوضع الخلفي الأيسر ومصابيح التحديد الجانبية وجهاز إضاءة لوحة الترخيص الخلفية. ^ب	7
أزرق/أحمر	مصابيح الرجوع للخلف	8
أحمر	مصدر طاقة دائم (+12 فولت)	9
أصفر	مصدر طاقة يتم التحكم فيه بواسطة مفتاح تشغيل (+12 فولت)	10
أصفر/بنّي	العودة لطرف الاتصال (السن) 10	11 ^أ
-	احتياطي للتخصيص المستقبلي	12
أحمر/بنّي	العودة لطرف الاتصال (السن) 9	13 ^أ

ملاحظة:

تم تغيير سن التخصيص 12 من "شفرة المقطورة المقترنة" إلى "احتياطي للتخصيص المستقبلي".

^أ لن تتصل دوائر العودة الثلاث كهربيًا في المقطورة.

^ب يكون جهاز إضاءة لوحة ترخيص الوضع الخلفي متصلًا بحيث لا يتصل أي مصباح في الجهاز بكلا السنين 5 و 7.

جميع التوصيلات الكهربائية كاملة للسيارة ولكن يجب عليك توصيل مجموعة الأسلاك بموصل المقطورة. راجع الإيضاحات التالية.

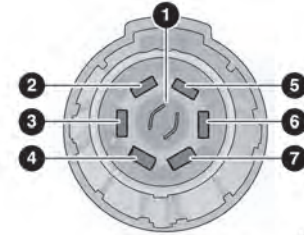
ملاحظة:

- افصل موصل أسلاك المقطورة من السيارة (أو أي جهاز آخر مُتصل بالموصلات الكهربائية للسيارة) قبل إطلاق قارب في المياه.
- تأكد من إعادة التوصيل بمجرد الابتعاد عن منطقة المياه.



M0636000045US

موصل ذو 13 سناً - إذا كانت السيارة مزودة بذلك



A0636000085US

موصل ذو سبعة سنون

- 1 — مصابيح الرجوع للخلف
- 2 — مصابيح السير
- 3 — توقف/انعطاف أيسر
- 4 — الأرضي
- 5 — البطارية
- 6 — توقف/انعطاف أيمن
- 7 — الفرامل الكهربائية

كرر الخطوتين 8 و 9 حتى يصل إعداد الكسب إلى نقطة أسفل النقطة التي تتعلق فيها عجلات المقطورة مباشرة. إذا كنت تقوم بسحب مقطورة ثقيلة، فقد لا يحدث انغلاق لحركة العجلات حتى إذا كان قد تم ضبط إعداد GAIN إلى الحد الأقصى وهو 10.

9. إذا حدث انغلاق لحركة عجلات المقطورة (يُشار إليه بصوت صوت عالٍ عن الإطارات)، فقلل إعداد GAIN؛ وإذا تحركت عجلات المقطورة بحرية، فقم بزيادة إعداد GAIN.

Heavy EOH (الهيدروليكي الكهربائي الثقيل)	Light EOH (الهيدروليكي الكهربائي الخفيف)	Heavy Electric (كهربائي ثقيل)	Light Electric (كهربائي خفيف)	
فرامل المقطورة الهيدروليكية الكهربائية	فرامل المقطورة الهيدروليكية الكهربائية	فرامل المقطورة الكهربائية	فرامل المقطورة الكهربائية	أنواع فرامل المقطورة
*أعلى من 10000 رطل	*أقل من 10000 رطل	*أعلى من 10000 رطل	*أقل من 10000 رطل	الحمل

4

- ستسبب إزالة حدة فرامل المقطورة المدمجة (ITBM) في حدوث أخطاء وقد تؤدي إلى إتلاف النظام الكهربائي والوحدات الإلكترونية بالسيارة. راجع الوكيل المعتمد لديك إذا تطلب الأمر تركيب وحدة من تلك التي تباع في الأسواق.

متطلبات السحب - مصابيح المقطورة والأسلاك

عند سحب أية مقطورة بغض النظر عن حجمها، يُوصى بإيقاف تشغيل مصابيح الوقوف الخلفية وإشارات الانعطاف الموجودة بالمقطورة لضمان سلامة المحرك على الطريق.

قد تتضمن مجموعة سحب المقطورة صغيرة أسلاك. استخدم مجموعة أسلاك وموصل مقطورة معتمد من المصنع.

ملاحظة:

لا تقم بقص أي أسلاك في مجموعة أسلاك السيارة أو وصلها.

تنبيه!

وقد يؤدي توصيل مقطورة غير متوافقة مع نظام ITBM إلى إضعاف فرامل المقطورة أو فقدانها بالكامل. وقد تزداد مسافة التوقف أو يتأثر استقرار المقطورة مما قد يؤدي إلى إتلاف السيارة أو المقطورة أو الممتلكات الأخرى.

ملاحظة:

- قد تتوفر وحدة تحكم في الأسواق لاستخدامها مع المقطورات المزودة بأنظمة فرامل مقطورة هوائية أو هيدروليكية كهربائية (EOH). ولتحديد نوع الفرامل في المقطورة وإمكانية توفر وحدات التحكم، راجع الشركة المصنعة للمقطورة أو البائع.

* قد يتغير الاختيار المقترح بناءً على تفضيلات العميل لأداء الفرامل. قد تؤثر أيضًا حالة فرامل المقطورة وحالة القيادة والطريق على التحديد.

رسائل شاشة العرض

يتفاعل التحكم في فرامل المقطورة مع شاشة عرض مجموعة أجهزة القياس. سيتم عرض رسائل الشاشة مع صدور صافرة واحدة عند تحديد عطل في اتصال المقطورة أو التحكم في فرامل المقطورة أو في المقطورة ذاتها. صفحة ١٠٦.

تحذير!

وقد يؤدي توصيل مقطورة غير متوافقة مع نظام ITBM إلى إضعاف فرامل المقطورة أو فقدانها بالكامل. وقد تزداد مسافة التوقف أو يتأثر استقرار المقطورة مما قد يؤدي إلى حدوث إصابات شخصية.



وحدة فرامل المقطورة المدمجة (ITBM)

- 1 — زر ضبط الكسب (-)
- 2 — زر ضبط الكسب (+)
- 3 — ذراع التحكم اليدوي في الفرامل

تكون واجهة المستخدم مما يلي:

زرا ضبط التضخيم (GAIN) (+/-)

باستخدام هذين الزرين يمكن ضبط إخراج طاقة التحكم في الفرامل إلى فرامل المقطورة بزيادات قدرها 0.5. يمكن زيادة إعداد التضخيم GAIN إلى 10 كحد أقصى أو تقليله إلى 0 كحد أدنى (لا تعمل فرامل المقطورة).

التضخيم (GAIN)

يستخدم إعداد التضخيم (GAIN) في ضبط التحكم في فرامل المقطورة في ظروف سحب معينة ويجب تغيير ذلك الإعداد بتغيير ظروف السحب. تتضمن هذه التغيرات حمل المقطورة وحمل السيارة وظروف الطريق والطقس.

ذراع التحكم اليدوي في الفرامل

حرك ذراع التحكم اليدوي في الفرامل إلى اليسار لتنشيط الطاقة المتجهة إلى فرامل المقطورة الكهربائية بشكل مستقل عن فرامل سيارة السحب. وعند تنشيط ذراع التحكم اليدوي في الفرامل أثناء استخدام الفرامل، يحدد الإدخال الأعلى منهما مقدار الطاقة المرسلة إلى فرامل المقطورة. سيضيء مصباح المقطورة ومصباح توقف السيارة عند الكبح بشكل طبيعي عند الضغط على دواسة فرامل السيارة. ستظهر مصابيح توقف المقطورة فقط عند استخدام ذراع التحكم اليدوي في الفرامل.

ضوء مؤشر حالة فرامل المقطورة

يشير هذا الضوء إلى حالة التوصيل الكهربائي للمقطورة. وفي حال اكتشاف عدم وجود اتصال كهربائي بعد إدارة قرص التشغيل إلى وضع التشغيل، فإن الضغط على زر ضبط الكسب أو تحريك ذراع التحكم اليدوي في الفرامل سيؤدي إلى عرض إعداد الكسب لمدة 10 ثوانٍ وسيختفي ضوء مؤشر حالة فرامل المقطورة.

عند اكتشاف خطأ في أسلاك المقطورة أو وحدة فرامل المقطورة المدمجة (ITBM)، سيومض ضوء مؤشر حالة فرامل المقطورة.

ضبط التضخيم (GAIN)

ملاحظة:

ملاحظة: يجب تنفيذ ذلك فقط في مكان غير مزدحم مع القيادة بسرعة تتراوح بين 30 و40 كم/ساعة (20 و25 ميلاً/ساعة) تقريباً.

1. تأكد من أن فرامل المقطورة بحالة جيدة وأنها تعمل بشكل سليم ومن سلامة ضبطها. راجع وكيل المقطورة إذا لزم الأمر.

2. اربط المقطورة وقم بإجراء التوصيلات الكهربائية وفقاً لتعليمات جهة تصنيع المقطورة.
3. عند توصيل مقطورة مزودة بفرامل كهربائية/هيدروليكية كهربائية (EOH)، ينبغي أن تظهر رسالة "المقطورة متصلة" في شاشة عرض مجموعة أجهزة القياس (إذا لم يتم التعرف على التوصيل بواسطة وحدة فرامل المقطورة المدمجة (ITBM)، فلن تكون وظائف الفرامل متاحة)، وسيضيء إعداد GAIN (الكسب) ويجب تحديد نوع المقطورة الصحيح من خيارات شاشة عرض مجموعة أجهزة القياس.
4. اضغط على زر التمرير لأعلى أو لأسفل بعجلة القيادة حتى تظهر الرسالة "TRAILER TOW" (سحب المقطورة) على الشاشة.
5. اضغط على سهم اليمين بعجلة القيادة للدخول إلى "TRAILER TOW" (سحب المقطورة).
6. اضغط على زر التمرير UP (لأعلى) أو DOWN (لأسفل) حتى يظهر Trailer Brake Type (نوع فرامل المقطورة) على الشاشة.
7. اضغط على سهم اليمين، ثم اضغط على زر التمرير لأعلى أو لأسفل حتى يظهر نوع فرامل المقطورة الصحيح على الشاشة.
8. في مكان يخلو من حركة المرور، اسحب المقطورة على سطح جاف ومستو بسرعة تتراوح بين 30 و40 كم/ساعة (20 و25 ميلاً/ساعة) واضغط بالكامل على ذراع التحكم اليدوي في الفرامل.

تنبيه!

إذا كان وزن المقطورة أكبر من 453 كجم (1000 رطل) بعد تحميلها، فيجب أن تكون مزودة بنظام فرامل خاص بها ذي قدرة كبح مناسبة. فإن عدم القيام بذلك يمكن أن يؤدي إلى تلف بطانة الفرامل بسرعة وازدياد الجهد المبذول للضغط على دواسرة الفرامل ومسافات أطول لإيقاف السيارة.

وحدة فرامل المقطورة المدمجة (ITBM) — إذا كانت السيارة مزودة بذلك

قد تكون السيارة مزودة بوحدة فرامل المقطورة المدمجة (ITBM) لفرامل المقطورة الكهربائية والهيدروليكية الكهربائية (EOH).

ملاحظة:

تم تصميم هذه الوحدة والتحقق منها مع فرامل المقطورة الكهربائية وأنظمة الفرامل الهيدروليكية الكهربائية (EOH) الجديدة. قد لا تتوافق بعض أنظمة الفرامل الهيدروليكية الكهربائية (EOH) مع وحدة فرامل المقطورة المدمجة (ITBM).

متطلبات السحب - فرامل المقطورة

- لا تقم بتوصيل نظام الفرامل الهيدروليكية للسيارة بنظام الفرامل الخاص بالمقطورة.
- يلزم أداة تحكم في فرامل المقطورة تعمل أوتوماتيكياً عند سحب مقطورة باستخدام الفرامل التي تعمل أوتوماتيكياً. عند سحب مقطورة مزودة بنظام فرامل يعمل بالاندفاع الهيدروليكي، فلا يلزم استخدام أداة تحكم في الفرامل الإلكترونية.
- يُنصح باستخدام فرامل المقطورة للمقطورات التي تزيد أوزانها عن 1000 رطل (453 كجم)، غير أنه يجب استخدامها للمقطورات التي تزيد أوزانها عن 2000 رطل (907 كجم).

تحذير!

- لا تقم بتوصيل فرامل المقطورة بأنابيب الفرامل الهيدروليكية لسيارتك. فقد يؤدي ذلك إلى زيادة الحمل على نظام الفرامل في سيارتك وتعرضه للخلل. وقد تفقد قابلية الكبح عند احتياجك إليها مما يمكن أن يسبب وقوع الحوادث.
- ويؤدي سحب أي مقطورة إلى زيادة المسافة اللازمة للتوقف. عند سحب مقطورة، يجب أن تسمح بمسافة إضافية بين سيارتك والسيارة التي أمامك. قد يؤدي عدم القيام بذلك إلى حدوث تصادم.

تحذير!

- يجب توزيع الوزن الإجمالي بين سيارة السحب والمقطورة بحيث لا يتم تجاوز المعدلات الأربعة التالية:
 - معدل الوزن الإجمالي للسيارة (GVWR)
 - إجمالي وزن المقطورة
 - معدل الوزن الإجمالي لمحور الدوران
 - معدل وزن لسان السحب لقضيب ربط المقطورة المستخدم

متطلبات السحب - الإطارات

- لا تحاول سحب مقطورة عند استخدام إطار صغير احتياطي.
- لا تقل السرعة بسرعة أكبر من 80 كم/ساعة (50 ميلاً/ساعة) عند السحب باستخدام الإطار الاحتياطي ذي الحجم الكامل.
- تعتبر مستويات ضغط الهواء المناسبة لإطاراتك مهمة جداً لتوفير تشغيل سليم ومرض لسيارتك.
- تحقق أيضاً من إطارات المقطورة للتعرف على مستويات ضغط نفخ الإطارات قبل استخدام المقطورة.
- ابحث عن دلائل على تآكل الإطار أو وجود تلف مرئي به قبل سحب المقطورة.
- لن يعمل استبدال الإطارات بإطارات ذات قدرة حمل حمولات عالية على زيادة حدود معدل الوزن الإجمالي للسيارة أو معدل الوزن الإجمالي لمحور الدوران.
- لمزيد من المعلومات → صفحة ٣٩٣.

ذاكرة المقطورة

يحتفظ نظام توجيه المقطورة أوتوماتيكيًا بمعايرة المقطورات الخمس السابقة متصلة، ومن ثمّ لن تكون إعادة المعايرة ضرورية عند الرفع. في المرة التالية التي يتم فيها تشغيل السيارة، ضع السيارة في وضع DRIVE (القيادة) وقم بقيادتها لمسافة قصيرة. يمكن بعد ذلك تنشيط نظام TRSC.

ملاحظة:

قد تبدو المقطورات مختلفة في أثناء النهار والليل. في مثل هذه الحالات، قد تحتاج المقطورة إلى إعادة المعايرة. ستحتاج بعض المقطورات (مثل مقطورات القوارب) إلى إعادة المعايرة في أثناء تحميلها وتفريغها.

ملاحظة:

- قد لا يكتشف النظام مقطورة في ظروف الإضاءة المنخفضة. في الطقس المشمس، قد ينخفض الأداء عند مرور الظلال على المقطورة.
- يُعد السائق المسؤول دومًا عن التشغيل الآمن للشاحنة والمقطورة.
- يتحكم السائق دائمًا في الشاحنة بالإضافة إلى المقطورة وهو مسؤول عن التحكم في صمام الاختناق والفرامل.
- قد لا يعمل النظام عندما تكون عدسة الكاميرا مسدودة وغير واضحة (مغطاة بالماء أو الثلج أو الجليد أو الأوساخ وما إلى ذلك) ولن يعمل إلا إذا كان باب المؤخرة في وضع مستقيم ومغلق بالكامل.

متطلبات السحب

يُنصح باتّباع الإرشادات التالية لتلبيّن مكونات مجموعة الدفع والحركة في سيارتك الجديدة بشكل صحيح.

تنبيه!

- لا تقم بسحب مقطورة في أول 805 كم (500 ميل) من قيادتك سيارتك الجديدة. يمكن أن يتلف المحرك أو المحور أو أجزاء أخرى.
- ثم، خلال أول 805 كم (500 ميل) من سحب المقطورة، لا تقم بالقيادة بسرعة أعلى من 80 كم/ساعة (50 ميلًا/ساعة) ولا تقم ببدء تشغيل السيارة مع فتح صمام الاختناق بشكل كامل. سيساعدك هذا على تلبيّن المحرك والأجزاء الأخرى للسيارة عند استخدام الأحمال الثقيلة.

قم بإجراء عمليات الصيانة المذكورة في "كتيب الخدمة والضمان (السيرة الذاتية للسيارة)". راجع "كتيب الخدمة والضمان (السيرة الذاتية للسيارة)" لمعرفة فترات الصيانة الصحيحة. عند سحب مقطورة، لا تتجاوز مطلقًا معدل الوزن الإجمالي لمحور الدوران (GAWR) أو معدل الوزن الإجمالي المشترك (GCWR).

تحذير!

قد يؤدي السحب غير الصحيح إلى حدوث تصادم. اتبع هذه الإرشادات لجعل عملية سحب المقطورة آمنة قدر الإمكان:

- تأكد من إحكام تثبيت الحمل في المقطورة وأنه لن يتحرك أثناء القيادة. عند سحب حمولة لا يمكن إحكام تثبيتها بشكل كامل، قد تحدث حركة مستمرة في الحمل والتي قد يصعب على السائق التحكم فيها. فقد تفقد القدرة على التحكم في السيارة، وقد يحدث تصادم.
- عند سحب حمولة أو سحب مقطورة، لا تقم بتحميل السيارة أو المقطورة بشكل زائد. فقد يؤدي التحميل الزائد إلى فقدان التحكم في السيارة أو انخفاض الأداء أو تلف الفرامل أو المحور أو المحرك أو ناقل الحركة أو عجلة القيادة أو التعليق أو هيكل الشاسيه أو الإطارات.
- يجب دائمًا استخدام سلاسل الأمان بين السيارة والمقطورة. قم دائمًا بتوصيل السلاسل بمثبتات خطاف قضيب ربط السيارة. اربط السلاسل بشكل متداخل تحت لسان سحب المقطورة واسمح بارتخاء كاف لأركان الانعطاف.
- يجب عدم إيقاف السيارات المرتبطة بمقطورات على منحدر. عند إيقاف تلك السيارات، استعمل فرامل التوقف في سيارة السحب. ضع ناقل الحركة لسيارة السحب في وضع PARK (التوقف). في السيارات ذات الدفع الرباعي، تأكد من عدم وجود علبة النقل في وضع NEUTRAL (اللاتشيق). قم دائمًا بوضع حواجز لعجلات المقطورة.
- يجب عدم تجاوز الوزن الإجمالي المشترك (GCWR) للسيارة.

- ستظهر رسالة "Trailer Steering Ready, Shift To Reverse" (توجيه المقطورة جاهز، انتقل إلى وضع الرجوع للخلف) عند الضغط على الزر ومعايرة المقطورة ووضع السيارة في وضع PARK (التوقف).
- ستظهر رسالة "Trailer Steering Active" (توجيه المقطورة نشط) بعد أن ينتقل السائق إلى وضع REVERSE (الرجوع للخلف) ويشير إلى أن الميزة نشطة.
- ستظهر رسالة "توجيه المقطورة غير متوفر" في حالة وجود عطل في النظام يمنع التنشيط أو فتح باب السائق أو عدم ربط حزام الأمان الخاص بالسائق أو فتح باب المؤخرة.
- أسباب أخرى قد تؤدي إلى إلغاء الميزة:
- تجاوز السائق التوجيه عن طريق وضع اليدين على عجلة القيادة.
- فقدان تتبع المقطورة.
- إذا أصبحت زاوية المقطورة زائدة عن الحد، يتم تعشيق الفرامل ما يؤدي إلى توقف السيارة ثم تعشيق فرامل التوقف.
- الضغط على زر توجيه المقطورة في أثناء النشاط.
- تجاوز سرعة السيارة 12 كم/ الساعة (8 أميال/ الساعة).
- فتح باب السائق وعدم ربط حزام أمان مقعد السائق.
- تغيير ناقل الحركة إلى وضع PARK (التوقف).

ملاحظة:

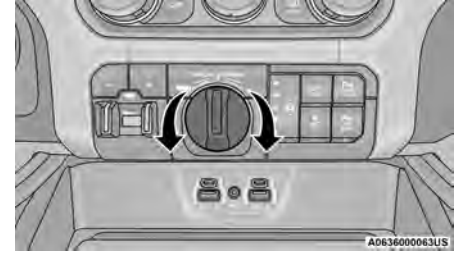
أثناء التنشيط، تقوم TRSC أوتوماتيكيًا بتعطيل نظام مساعد التوقف الخلفي إذا كان قد تم تمكينه مسبقًا. يحد النظام من السرعة القصوى التي يمكن أن تقطعها السيارة في وضع REVERSE (الرجوع للخلف) أثناء استخدام الميزة. عند الحاجة، يمكنك الانتقال إلى وضع DRIVE (القيادة) أو وضع NEUTRAL (اللاتعشيق) للسحب للأمام للحصول على مساحة أكبر أو تقويم المقطورة، ثم الرجوع إلى وضع REVERSE (الرجوع للخلف) دون الحاجة إلى إعادة تنشيط الميزة.

سيتم إلغاء الميزة بعد 30 ثانية في وضع DRIVE (القيادة) أو عندما تصل سرعة السيارة إلى 12 كم/ الساعة (8 أميال/ الساعة).

لإلغاء الميزة، توقف وانتقل إلى وضع PARK (التوقف) أو اضغط على زر تنشيط TRSC.

رسائل مجموعة أجهزة القياس:

- ستظهر رسالة "Calibrate Trailer" (معايرة المقطورة) في حال عدم معايرة المقطورة وتوقف السيارة في أثناء الضغط على الزر.
- ستظهر رسالة "Calibrating Trailer" (جار معايرة المقطورة) في حال عدم معايرة المقطورة وتحرك السيارة في أثناء الضغط على الزر.
- ستظهر رسالة "To Activate Trailer Steering" (لتنشيط توجيه المقطورة، انتقل إلى وضع P (التوقف)) عندما يتم الضغط على زر تنشيط TRSC بينما السيارة ليست في وضع PARK (التوقف).



مقبض التحكم في توجيه المقطورة للخلف

لاستخدام النظام، ضع محدد التروس في وضع PARK (التوقف) وضع قدمك على الفرامل. اضغط على زر التنشيط الموجود أعلى مقبض TRSC في المجموعة الوسطى. سيضيء مصباح LED الموجود على الزر بشكل ثابت وستقوم شاشة عرض مجموعة أجهزة القياس بتوجيهك للانتقال إلى وضع REVERSE (الرجوع للخلف). بمجرد أن تكون في وضع REVERSE (الرجوع للخلف)، يصبح النظام نشطًا. ارفع يديك عن عجلة القيادة ثم ارجع للخلف ببطء أثناء إدارة مقبض TRSC في الاتجاه الذي تريد أن تسير فيه المقطورة. تؤدي إدارة المقبض في اتجاه عقارب الساعة إلى تدوير المقطورة إلى اليمين. تؤدي إدارة المقبض عكس اتجاه عقارب الساعة إلى تدوير المقطورة إلى اليسار. إذا قمت بتحرير المقبض، فسيعود إلى وضعه الأوسط وسترجع المقطورة إلى خط مستقيم.

استمر في التحكم في دواسة الوقود والفرامل أثناء إرجاع المقطورة للخلف.

ملاحظة:

تذكر أن كل شيء يوضع داخل المقطورة أو عليها يضيف إلى الحمل الموضوع على السيارة. ويجب أيضًا اعتبار المعدات الاختيارية التي تم تركيبها في المصنع أو المعدات الاختيارية التي قام الوكيل بتركيبها جزءًا من إجمالي الحمل الموضوع على السيارة. ارجع إلى ملصق معلومات الإطار والتحميل للتعرف على أقصى وزن إجمالي للركاب والحمولة لسيارتك.

التحكم في توجيه المقطورة للخلف —

إذا كانت السيارة مزودة بذلك

نظرة عامة على الميزة

نظام التحكم في رجوع المقطورة للخلف (TRSC) عبارة عن ميزة تساعد السائق عند الرجوع للخلف بالمقطورة. من خلال إدارة المقبض الموجود في المجموعة الوسطى، يمكنك التحكم بدقة أكبر في الاتجاه الذي ستسير فيه المقطورة.

يتحكم السائق في دواسرة الوقود والفرامل أثناء القيادة باستخدام مقبض التحكم في توجيه رجوع المقطورة للخلف. يتم توجيه المقطورة وفقًا لاتجاه تدوير المقبض. تتيح هذه الميزة أيضًا للسائق الرجوع للخلف بالسيارة والمقطورة في خط مستقيم عند وضع المقبض في وضعه الأوسط.

يتطلب استخدام هذه الميزة أقل قدر من الإعداد.

الإعداد:

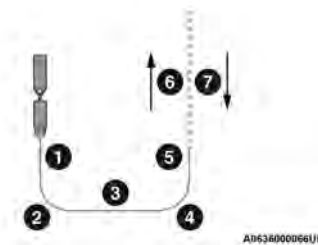
لاستخدام النظام، صل المقطورة بالشاحنة وتأكد من توصيل كل الأسلاك الكهربائية ➔ صفحة ٢١٣.

يقوم النظام تلقائيًا بمعايرة أي مقطورة متصلة أثناء القيادة العادية للأمام دون الحاجة إلى أي إجراء إضافي من السائق. إذا لم يكن لدى السيارة وقت كافٍ للمعايرة أوتوماتيكيًا بعد توصيل المقطورة، فسترى رسالة "Calibrate Trailer" (معايرة المقطورة) في مجموعة أجهزة القياس عند الضغط على زر TRSC لتنشيط النظام. إذا كان هذا هو الحال، فقم بالمنورة التالية لمعايرة المقطورة:

قُد للأمام مسافة 30 مترًا (100 قدم) على الأقل، وقم بالدوران בזاوية 90 درجة ثم عُد إلى الوضع المستقيم لمسافة 30 مترًا (100 قدم) أخرى على الأقل. قم بالدوران בזاوية 90 درجة أخرى، ثم قم بقيادة مستقيمة أخرى لمسافة 30 مترًا (100 قدم) على الأقل. تحقق من معايرة النظام بالضغط على زر TRSC.

ملاحظة:

يمكن القيام بالدوران بمقدار 90 درجة في اتجاه اليسار أو اليمين.



معايرة التحكم في توجيه المقطورة للخلف

1. القيادة في وضع مستقيم لمسافة 100 قدم (30 مترًا). سيتم عرض رسالة "Calibrate Trailer" (معايرة المقطورة) في حال حركة السيارة.
2. قم بالانعطاف في تقاطع بنصف قطر يبلغ 50-65 قدم (15-20 متر) في أي اتجاه.
3. القيادة في وضع مستقيم لمسافة 100 قدم (30 مترًا).
4. قم بالانعطاف في تقاطع بنصف قطر يبلغ 50-65 قدم (15-20 متر) في أي اتجاه.
5. القيادة في وضع مستقيم لمسافة 100 قدم (30 مترًا).
6. قم بالقيادة في وضع مستقيم لمسافة 100 قدم (30 متر)، مع التأكد من محاذاة السيارة/المقطورة لخط المنتصف في المسار.
7. بمجرد اكتمال المعايرة، ستكون الميزة متاحة للاستخدام. للمعايرة التي تجرى على أقل من 30 ميل بالساعة (48 كم/ساعة) ستظهر رسالة "To Enable Trailer Steering Shift to P" (لتفعيل توجيه المقطورة انقل إلى "P" للإشارة إلى اكتمال المعايرة).

باستخدام TRSC

تنبيه!
ينبغي دومًا مراقبة وضع المقطورة والعناصر المحيطة بها باستخدام الكاميرا والمرايا لتجنب تعرض الشاحنة أو المقطورة للضرر.

وزن المقطورة ولسان السحب

لا تتجاوز أقصى وزن لسان السحب الموجود على المصد/الواجهة أو قضيب ربط المقطورة.

تنبيه!

قم دائماً بتحميل المقطورة بحيث يقع 60% من الوزن في مقدمة المقطورة. وهذا يضع 10% من إجمالي وزن المقطورة (GTW) على قضيب سحب السيارة. قد تتسبب الحمولات المتزنة على العجلات أو الحمولات الأثقل الموجودة في المؤخرة في تأرجح المقطورة بشدة من جانب إلى آخر مما يتسبب في فقدان السيطرة على السيارة والمقطورة. يؤدي عدم تحميل المقطورات بالحمولات الأثقل في الأمام إلى وقوع حوادث تصادم عديدة للمقطورات.

يجب أخذ العناصر التالية بعين الاعتبار عند حساب الوزن الواقع على محور الدوران الخلفي:

- وزن اللسان للمقطورة.
- وزن أي نوع آخر من الشحنات أو المعدات الموضوعة في أو على السيارة.
- وزن السائق وجميع الركاب.

8. استخدم مجموعة أجهزة القياس أو إعدادات الراديو بشاشة اللمس وقم بإيقاف تشغيل وضع رافعة الإطارات. تأكد من عودة الشاشة إلى ارتفاع القيادة العادي. قم بتنفيذ فحص مرئي للمقطورة وقضيب ربط توزيع الوزن للتأكد من استيفاء توصيات الجهة المصنعة.

9. يمكن الآن قيادة الشاحنة.

مثال القياس	مثال الارتفاع (مم)
H1	925
H2	946
H2-H1	21
(H2-H1)/3	7
(H2-H1)/3 + H1	932

ملاحظة:

لجميع ظروف السحب، يُوصي بالسحب أثناء تشغيل وضع Tow/Haul (الجر/السحب).

أوزان سحب المقطورة (مُعدلات أقصى وزن للمقطورة)

ملاحظة:

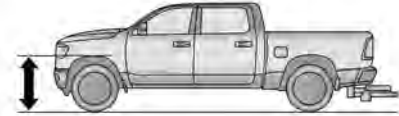
للحصول على معلومات حول سحب المقطورة (أقصى معدلات لوزن المقطورة)، راجع عناوين الويب التالية:

• ramtrucks.com/towing/towing-guide

• ramtruck.ca (كندا)

• rambodybuilder.com

4. قم بقياس الارتفاع من الجزء العلوي لفتحة العجلة الأمامية الموجودة على الرفرف إلى الأرض، وهذا هو الارتفاع H1.



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قياس الارتفاع (H)

5. اربط المقطورة بالسيارة دون توصيل قضبان توزيع الوزن.

6. قم بقياس الارتفاع من الجزء العلوي لفتحة العجلة الأمامية الموجودة على الرفرف إلى الأرض، وهذا هو الارتفاع H2.

7. قم بتركيب قضبان توزيع الوزن واضبط مستوى شدها وفقاً لتوصيات الجهة المصنعة بحيث يكون ارتفاع الرفرف الأمامي $(H2-H1)/3 + H1$ تقريباً (حوالي $1/3$ الفرق بين H2 و H1 فوق ارتفاع الركوب العادي [H1]).

الجهات المصنعة، فإنها توفر توجيهًا وتحكمًا بالفرامل أكثر استقرارًا وبالتالي تحسينًا في أمان عملية السحب. وتؤدي إضافة وحدة تحكم إلكترونية في التارجح/الاحتكاك أيضًا إلى خفض التارجح الناتج عن حركة المرور والرياح العكسية وتسهم بشكل إيجابي في سحب السيارة واستقرار المقطورة. يُوصى باستخدام وحدة التحكم في تارجح المقطورة TSC وقضيب ربط توزيع الوزن (موازنة الحمولة) مع السنة السحب ثقيلة الوزن، وقد يكون من اللازم استخدامهما بناءً على تكوين/حمولة السيارة والمقطورة وذلك للتوافق مع متطلبات معدل الوزن الإجمالي لمحور الدوران (GAWR).



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ضبط غير صحيح لقضيب ربط توزيع الحمل (غير صحيح)

ضبط قضيب ربط التوزيع الموصى به

السحب باستخدام التعليق الهوائي — إذا كانت السيارة مزودة بذلك

1. تحقق من أن السيارة في وضع ارتفاع القيادة العادي.

ملاحظة:

يجب أن تظل السيارة في وضع تشغيل المحرك مع إغلاق كل الأبواب عند توصيل مقطورة للحصول على الضبط الصحيح لنظام التعليق الهوائي.

2. اضبط الشاحنة بحيث تكون جاهزة للتوصيل بالمقطورة (لا تقم بتوصيل المقطورة).

3. قم بتمكين وضع رافعة الإطارات من خلال مجموعة أجهزة القياس أو إعدادات الراديو في شاشة اللمس. سيتم إلغاء وضع الإطارات/الرافعة، وتجب إعادة تشغيل الإجراء في حال قيادة السيارة بسرعات أعلى من 8 كم/الساعة (5 أميال/الساعة).



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من دون قضيب ربط توزيع الحمل (غير صحيح)



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مع قضيب ربط توزيع الحمل (صحيح)

تحذير!

- قد يقلل نظام قضيب ربط توزيع الحمل غير المضبوط بشكل صحيح من إمكانية التحكم في السيارة واستقرارها وأداء الفرامل وقد يتسبب في وقوع تصادم.
- قد لا تتوافق أنظمة توزيع الحمل مع قارنات الفرامل المندفعة. راجع الجهة المصنعة لقضيب الربط والمقطورة أو وكيل سيارات ترفيهية ذي سمعة جيدة للحصول على معلومات إضافية.

معدل الوزن الإجمالي لمحور الدوران (GAWR)

معدل الوزن الإجمالي لمحور الدوران هو أقصى وزن مسموح به على محوري الدوران الأمامي والخلفي. ويجب توزيع الحمولة على المحورين الأمامي والخلفي بشكل متساو. تأكد من عدم تجاوز معدل الوزن الكلي لمحوري الدوران الأمامي أو الخلفي ➔ صفحة ٢٠٤.

تحذير!

من الأهمية بمكان عدم تجاوز الحد الأقصى لمعدل الوزن الإجمالي لمحور الدوران الأمامي أو الخلفي. فقد تنشأ ظروف قيادة خطيرة في حالة تجاوز أي من الوزنين المقتدرين. فقد تفقد القدرة على التحكم في السيارة، وقد يحدث تصادم.

وزن لسان السحب

وزن لسان السحب هو القوة الضاغطة لأسفل على كرة قضيب الربط بواسطة المقطورة. يجب اعتبار هذه القوة جزءاً من حمولة السيارة.

المنطقة الأمامية بالمقطورة

المنطقة الأمامية للمقطورة هي أقصى ارتفاع في أقصى عرض لمقدمة المقطورة.

قضيب ربط توزيع الحمل

يعمل نظام توزيع الحمل عن طريق بذل قوة رفع خلال القضبان الزنبركية. وتستخدم هذه الأنظمة مع الأوزان الكبيرة لتوزيع وزن لسان سحب المقطورة على محور الدوران الأمامي لسيارة السحب ومحور (محاور) دوران المقطورة. وعند استخدام هذه الأنظمة وفقاً لتوجيهات

للمحافظة على تغطية الضمان المحدود للسيارة الجديدة، اتبع المتطلبات والتوصيات الموضحة في هذا الدليل والمتعلقة بالسيارات المستخدمة في سحب المقطورة.

تعريفات السحب العامة

تساعدك التعريفات التالية الخاصة بسحب المقطورات في فهم المعلومات التالية:

معدل الوزن الإجمالي للسيارة (GVWR)

يعتبر معدل الوزن الإجمالي للسيارة هو أقصى وزن مسموح به للسيارة. ويتضمن ذلك وزن السائق والركاب والحمولة ووزن لسان السحب. يجب ألا تتجاوز الحمولة الكلية معدل الوزن الإجمالي للسيارة ➔ صفحة ٢٠٤.

إجمالي وزن المقطورة

إجمالي وزن المقطورة (GTW) هو وزن المقطورة بالإضافة إلى وزن الحمولة بالكامل والمواد القابلة للاستهلاك والمعدات (الدائمة أو المؤقتة) المحملة في أو على المقطورة في حالة "التحميل والاستعداد للتشغيل". والطريقة الموصى بها لقياس إجمالي وزن المقطورة هي وضع المقطورة المحملة بشكل كامل على ميزان سيارات. ويجب أن يدعم الميزان وزن المقطورة بالكامل

معدل الوزن الإجمالي المشترك (GCWR)

معدل الوزن الإجمالي المشترك (GCWR) هو إجمالي الوزن المسموح به لسيارتك والمقطورة عند وزنهما معاً.

صحيح على محور الدوران الأمامي والخلفي. قد يتضح من وزن السيارة أنه قد تم تجاوز معدل الوزن الإجمالي لمحور الدوران (GAWR) الأمامي أو الخلفي ولكن الوزن الإجمالي لا يزال في حدود معدل الوزن الإجمالي المحدد للسيارة (GVWR). إذا حدث ذلك، فيجب نقل الوزن من محور الدوران الأمامي إلى الخلفي أو العكس كما هو ملامح حتى يتم استيفاء حدود الوزن المحددة. قم بتخزين العناصر الثقيلة في الأسفل وتأكد من توزيع الوزن بشكل متساوي. قم بتخزين جميع المواد غير المربوطة بإحكام بشكل محكم قبل القيادة.

قد يكون لتوزيع الحمل بشكل غير صحيح تأثيراً سلبياً على طريقة توجيه وقيادة سيارتك وطريقة تشغيل الفرامل.

تحذير!

لا تقم بتحميل السيارة بحيث يزيد وزنها عن معدل الوزن الإجمالي للسيارة أو معدل الوزن الإجمالي لمحور الدوران الأمامي والخلفي. إذا قمت بذلك، قد تتعرض أجزاء في سيارتك للكسر أو يمكنها تغيير طريقة قيادة السيارة. وقد يتسبب ذلك في فقدان التحكم في السيارة. وقد يؤدي التحميل الزائد إلى تقليل عمر السيارة.

سحب المقطورة

ستجد في هذا القسم نصائح للسلامة ومعلومات عن القيود التي يجب مراعاتها بشأن أعمال السحب التي تستطيع القيام بها بسيارتك. قبل سحب المقطورة، راجع هذه المعلومات لسحب الحمل بأكبر قدر ممكن من الفاعلية والأمان.

ملاحظة:

في بعض ظروف الطقس البارد، قد يمنع الجليد فتح باب فتحة تعبئة الوقود. إذا حدث، فاضغط برفق على باب فتحة تعبئة الوقود حول المحيط لإزالة تراكم الجليد.

تحذير!

قد تسبب الكهرباء الاستاتيكية في اشتعال السائل القابل للاشتعال أو البخار أو الغاز في السيارة أو المقطورة. لتقليل خطر حدوث إصابة شخصية أو الوفاة عند تعبئة الحاويات:

- دائماً ضع الحاوية على الأرض قبل تعبئتها.
- حافظ على تلامس فوهة المضخة مع الحاوية أثناء تعبئتها.
- استخدم فقط الحاويات المعتمدة للاستخدام مع السوائل القابلة للاشتعال.
- لا تترك الحاوية دون مراقبة أثناء تعبئتها.
- قد يتسبب شحن الكهرباء الاستاتيكية في حدوث شرر أو حريق.

تحميل السيارة**ملصق الشهادة**

كما هو مطلوب بواسطة القوانين المحلية، تحتوي سيارتك على ملصق توثيق على باب السائق أو القابض.

يحتوي هذا الملصق على شهر وسنة تصنيع السيارة ومعدل الوزن الإجمالي للسيارة (GVWR) ومعدل الوزن الإجمالي (GVWR) الأمامي والخلفي ورقم تعريف السيارة (VIN). يحتوي هذا الملصق على رقم مكون من

شهر - يوم - ساعة ويوضح هذا الرقم شهر ويوم وساعة تصنيع السيارة. الكود الشريطي الذي يظهر في أسفل الملصق هو رقم تعريف السيارة (VIN).

معدل الوزن الإجمالي للسيارة (GVWR)

أقصى وزن إجمالي مسموح به للسيارة بما في ذلك السائق والركاب والسيارة والمعدات الاختيارية والحمولة. يحدد الملصق أيضاً أقصى قدرات لمعدل الوزن الإجمالي لمحور الدوران (GAWR) الأمامي والخلفي. يجب وضع حد للوزن الإجمالي حتى لا يتم تجاوز معدل الوزن الإجمالي للسيارة ومعدل الوزن الإجمالي لمحور الدوران الأمامي والخلفي.

الحمولة الصافية

يتم تعريف الحمولة الصافية للسيارة بأنها وزن الحمل المسموح به الذي يمكن لشاحنة حمله بما في ذلك وزن السائق وجميع الركاب والمعدات الاختيارية والحمولة.

معدل الوزن الإجمالي لمحور الدوران (GAWR)

معدل الوزن الإجمالي لمحور الدوران (GAWR) هو أقصى حمل مسموح به على المحورين الأمامي والخلفي. ويجب توزيع الحمل في منطقة الحمولة حتى لا يتم تجاوز معدل الوزن الإجمالي لكل محور.

يتم تحديد معدل الوزن الإجمالي لكل محور بواسطة المكونات الموجودة في نظام له أقل قدرة على حمل الحمولات (محور الدوران أو الزنبركات أو الإطارات أو العجلات). الماور الأثقل، أو مكونات التعليق التي يحددها المشترون أحياناً لزيادة المتانة، لا تزيد بالضرورة من معدل الوزن الإجمالي للمركبة.

حجم الإطار

يمثل حجم الإطار على ملصق شهادة توثيق السيارة حجم الإطار الفعلي في سيارتك. يجب أن تكون قدرة حمل الحمولات للإطارات البديلة مساوية لقدرة حمل الحمولات الخاصة بهذا الحجم من الإطارات.

حجم العجلات

هذا هو حجم العجلات المناسب لحجم الإطار المذكور.

ضغط الهواء

هذا هو ضغط نفخ الإطار البارد لسيارتك في جميع ظروف التحميل حتى معدل الوزن الإجمالي لمحور الدوران (GAWR) الكامل.

الوزن الفارغ

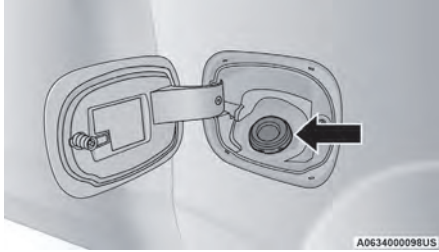
يتم تعريف الوزن الفارغ للسيارة بأنه الوزن الإجمالي للسيارة بالإضافة إلى جميع السوائل، بما في ذلك وقود السيارة في ظروف التشغيل بالقدرة الكاملة ومع عدم وجود ركاب أو حمولة محملة في السيارة. يتم تحديد قيم الوزن الفارغ الأمامي والخلفي بواسطة وزن السيارة على ميزان تجاري قبل إضافة أي ركاب أو حمولة.

التحميل

وأفضل طريقة لتحديد الوزن الإجمالي الفعلي ووزن مقدمة ومؤخرة السيارة على الأرض هي وزن السيارة وهي محملة وجاهزة للتشغيل.

يجب وزن السيارة بالكامل أولاً على ميزان تجاري لضمان عدم تجاوز معدل الوزن الإجمالي للسيارة (GVWR). يجب بعد ذلك تحديد الوزن الواقع على مقدمة ومؤخرة السيارة بشكل منفصل للتأكد من توزيع الحمل بشكل

3. أدخل فوهة الوقود بالكامل داخل أنبوب فتحة التعبئة، ستفتح الفوهة وتثبت البابين القلابين أثناء إعادة التزود بالوقود.



فتحة تعبئة الوقود

4. عندما يصدر عن فوهة فتحة الوقود صوت "طقطقة"، أو عند قفلها، فإن ذلك يشير إلى أن خزان الوقود ممتلئ.
5. حافظ على الفوهة داخل فتحة التعبئة لمدة خمس ثوان بعد أن تُصدر الفوهة صوت طقطقة للسماح بتصريف الوقود من الفوهة.
6. قم بإزالة فوهة فتحة تعبئة الوقود.
7. لإغلاق باب فتحة تعبئة الوقود، اضغط على الحافة المركزية الخلفية (وضع الساعة 3) من باب فتحة تعبئة الوقود، ثم حرره. سيتم إغلاق باب فتحة تعبئة الوقود بالمزلاج.

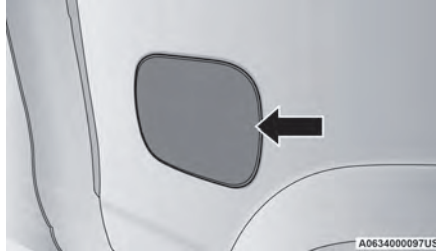
تحذير!

- قد يحدث حريق في حالة ضخ كمية من البنزين داخل حاوية متنقلة موجودة داخل السيارة. وقد تصاب بحروق. دائماً ضع الحاوية على الأرض عند تعبئتها.

تنبيه!

لتفادي انسكاب الوقود وغمر الخزان لا تواصل ضخ البنزين بعد امتلاء الخزان.

1. ضع السيارة في وضع التوقف واضبط مفتاح التشغيل على وضع إيقاف التشغيل.
2. اضغط على الحافة المركزية الخلفية لباب فتحة تعبئة الوقود (إلى وضع الساعة 3)، وقم بتحريكها للفتح.



باب فتحة تعبئة الوقود

ملاحظة:

- إذا تم الضغط على زر AUX (الأجهزة الإضافية) ولم يتم توصيل كاميرا الأجهزة الإضافية (AUX)، فستعرض شاشة اللمس شاشة زرقاء مع عرض رسالة "Camera System Unavailable" (نظام الكاميرا غير متوفر). يمكن الخروج من الشاشة بالضغط على الزر X بشاشة اللمس. سيؤدي هذا إلى العودة إلى شاشة العرض السابقة.
- لا يتوفر عرض التكبير/التصغير مع ميزة كاميرا الأجهزة الإضافية (AUX).
- ستعود شاشة العرض بصورة افتراضية دائماً إلى شاشة عرض كاميرا المقطورة، الأجهزة الإضافية 1.

تزويد السيارة بالوقود

تقع فتحة تعبئة الوقود عديمة الغطاء في الجانب الأيسر من السيارة.

يتم إغلاق النظام عديم الغطاء ببابين قلابين.

تحذير!

- امتنع بتأثراً عن إشعال السجائر داخل أو قرب السيارة عندما يكون باب فتحة تعبئة خزان الوقود مفتوحاً أو أثناء تعبئة الخزان.
- لا تضيف مطلقاً أي كمية من الوقود أثناء تشغيل المحرك. يعتبر هذا انتهاكاً لقوانين معظم الولايات والقوانين الاتحادية المتعلقة بالحرائق وقد يتسبب ذلك في إضاءة مصباح مؤشر العطل (MIL).

(تابع)

ملاحظة:

- إذا تراكم الثلج أو الطين أو أي مادة غريبة على عدسات الكاميرات، فتنظف العدسات واشطفها بالماء وجففها بقطعة قماش ناعمة. لا تقم بتغطية العدسات.
- إذا حدث عطل بالنظام، فراجع الوكيل المعتمد.

تحذير!

يجب أن يتوخى السائقون الحرص عند الرجوع للخلف حتى عند استخدام نظام كاميرا الرؤية المحيطة للمقطورة. قم دائماً بفحص منطقة خلف السيارة بحرص، وتأكد من عدم وجود مشاة أو حيوانات أو سيارات أخرى أو عوائق أو مناطق غير مرئية قبل الرجوع للخلف. إنك تتحمل المسؤولية فيما يتعلق بأمان المنطقة المحيطة بالسيارة ويجب عليك الاستمرار في الحرص أثناء الرجوع للخلف. قد يؤدي الفشل في القيام بذلك إلى وقوع إصابات شخصية خطيرة أو الوفاة.

تنبيه!

- لتجنب إلحاق التلف بالسيارة، يجب استخدام نظام الرؤية المحيطة للمقطورة كأداة مساعدة في التوقف فقط. يتعذر على كاميرا الرؤية المحيطة للمقطورة عرض كل عائق أو جسم في مسار القيادة.

(تابع)

تنبيه!

- لتجنب حدوث تلفيات بالسيارة، تجنب قيادة السيارة ببطء عند استخدام نظام الرؤية المحيطة للمقطورة لتتمكن من إيقاف السيارة في الوقت المناسب بمجرد مشاهدة العائق. يوصى بأن ينظر السائق خلفه بشكل متكرر عند استخدام نظام الرؤية المحيطة للمقطورة.

كاميرا الأجهزة الإضافية (AUX) — إذا كانت السيارة مزودة بذلك

قد تكون سيارتك مزودة بكاميرا أو اثنتين من نوع AUX التي تعرض صور الرؤية الخلفية والجانبية من المقطورة على شاشة التمس.

ملاحظة:

تتوفر كاميرتان للأجهزة الإضافية فقط في السيارات المزودة بأجهزة راديو NAV إذا لم تكن السيارة مزودة بمصباح التوقف المركزي العلوي (CHMSL) ونظام كاميرا الرؤية المحيطة.

التشغيل

يتم تنشيط كاميرا الأجهزة الإضافية (AUX) أولاً عن طريق الضغط على زر Back Up Camera (كاميرا الرجوع للخلف) أو زر Cargo Camera (كاميرا منطقة الحمولة) (إذا كانت السيارة مزودة بذلك) الموجودين على شاشة التمس، ثم الضغط على زر AUX (الأجهزة الإضافية) الموجود في الزاوية العلوية اليسرى من شاشة عرض الرؤية الخلفية. في السيارات المزودة بكاميرا الرؤية المحيطة (إذا كانت السيارة مزودة بذلك)، يمكن تنشيط الكاميرا الإضافية عندما تكون السيارة في

وضع REVERSE (الرجوع للخلف) بالضغط أولاً على زر More Cams (مزيد من الكاميرات) في شاشة العرض المحيطي، ثم علامة التنويب AUX (الأجهزة الإضافية). يمكن أيضاً تنشيط كاميرا الأجهزة الإضافية (AUX) عندما تكون السيارة في وضع REVERSE (الرجوع للخلف) عن طريق الضغط على زر AUX (الأجهزة الإضافية).

إذا كانت السيارة مجهزة باثنتين من كاميرات AUX، يمكنك التبديل بين كل منهما بالضغط على الزر AUX 1 أو AUX 2 على شاشة عرض كاميرا المقطورة.

زر كاميرا الأجهزة الإضافية 1



زر كاميرا الأجهزة الإضافية 2

**إلغاء التشغيل**

يتم تعطيل الكاميرا الإضافية عن طريق الضغط على الزر X بشاشة التمس. سيؤدي هذا إلى العودة إلى شاشة العرض السابقة.

نقل ناقل الحركة إلى وضع PARK (التوقف) أو يتم وضع مفتاح التشغيل في وضع OFF (إيقاف التشغيل). يوجد زر X بشاشة اللمس لتعطيل عرض صورة الكاميرا.

- عند إخراج السيارة من وضع REVERSE (الرجوع للخلف) مع إيقاف تشغيل تأخير الكاميرا، يتم الخروج من وضع كاميرا الرؤية المحيطة للمقطورة وتظهر آخر شاشة معروفة مرة أخرى.

يتم إلغاء تنشيط النظام في الظروف التالية إذا كان قد تم تنشيطه يدوياً من قائمة مفاتيح التحكم في نظام

Uconnect من خلال زر Trailer Surround Camera (كاميرا الرؤية المحيطة للمقطورة):

- تم الضغط على الزر X بشاشة اللمس
- نقل السيارة إلى وضع PARK (التوقف)
- وضع مفتاح التشغيل في وضع OFF (إيقاف التشغيل)
- سرعة السيارة أكبر من 13 كم/الساعة (8 أميال في الساعة) لمدة 10 ثوان

ملاحظة:

إذا تم تنشيط كاميرا الرؤية المحيطة للمقطورة يدوياً، وتم نقل السيارة إلى وضع REVERSE (الرجوع للخلف)، يتم افتراض طرق إلغاء التنشيط للتنشيط الأوتوماتيكي. يتم إيقاف تشغيل نظام تأخير الكاميرا يدوياً من خلال نظام Uconnect ↩ صفحة ٢٢٩.

المنظر الأيمن

يؤدي الضغط على زر Right View (المنظر الأيمن) إلى منح السائق منظرًا بزاوية أعرض لكاميرا المقطورة اليمنى ويكون ذلك مقترناً بالمنظر العلوي للمقطورة.



منظر الكاميرا في وضع ملء الشاشة

لعرض صورة في وضع ملء الشاشة لكاميرات الرؤية المحيطة للمقطورة المركزية، حدد أحد الخيارات التالية من شاشة Trailer Cameras (كاميرات المقطورة): يسار المقطورة، يمين المقطورة، مقدمة المقطورة، خلفية المقطورة. سيؤدي الخروج من عرض ملء الشاشة إلى إعادة النظام إلى الشاشة السابقة.

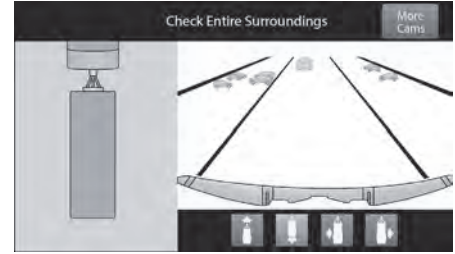
ملاحظة:

إذا تم تحديد الكاميرا المحيطة بالمقطورة من خلال قائمة More Cameras (مزيد من الكاميرات)، فسيتم عرض خيار للعودة إلى قائمة More Cameras (مزيد من الكاميرات). إذا تم تنشيط كاميرا الرؤية المحيطة للمقطورة يدوياً من خلال قائمة Controls (مفاتيح التحكم) من نظام Uconnect، فسيؤدي الخروج من شاشة العرض إلى العودة إلى قائمة مفاتيح التحكم.

إلغاء التنشيط

يتم إلغاء تنشيط النظام في الظروف التالية، إذا تم تنشيطه بصورة أوتوماتيكية:

- عند إخراج السيارة من وضع REVERSE (الرجوع للخلف) مع تشغيل تأخير الكاميرا، سيستمر عرض صورة الكاميرا لمدة تصل إلى 10 ثوان، ما لم تتجاوز سرعة السيارة 13 كم/الساعة (8 أميال/الساعة) أو يتم



العرض العلوي والخلفي لكاميرا المقطورة

ملاحظة:

نظرًا إلى الكاميرات ذات الزاوية العريضة، ستظهر الصورة مشوهة.

المنظر الخلفي

يؤدي الضغط على زر Rear View (المنظر الخلفي) إلى إظهار المنظر العلوي والمنظر الخلفي في شاشة عرض مُقسّمة.



المنظر الأمامي

يؤدي الضغط على زر Front View (المنظر الأمامي) إلى إظهار ما يوجد أمام السيارة مباشرة، ويكون مقترناً دائماً بالمنظر العلوي للمقطورة.



المنظر الأيسر

يؤدي الضغط على زر Left View (المنظر الأيسر) إلى منح السائق رؤية بزاوية أعرض لكاميرا المقطورة اليسرى ويكون ذلك مقترناً بالمنظر العلوي للمقطورة.



الإعداد

يتضمن نظام كاميرا الرؤية المحيطة للمقطورة مجموعة تركيب مع وحدة رؤية محيطة للمقطورة وأربع كاميرات رؤية محيطة للمقطورة والتي يجب تركيبها على المقطورة قبل التوصيل بسيارتك. راجع إرشادات التركيب المرفقة مع مجموعة تركيب الرؤية المحيطة للمقطورة للحصول على مزيد من المعلومات. بمجرد تركيب وحدة الرؤية المحيطة للمقطورة والكاميرات وتوصيلها بالسيارة من خلال موصل ذي 12 اتجاهًا، يمكن الوصول إلى إعدادات Trailer Surround Camera (كاميرا المقطورة المحيطة). يمكن الوصول إلى إعدادات كاميرا الرؤية المحيطة للمقطورة من خلال إعدادات نظام Uconnect عن طريق الضغط على زر Trailer (المقطورة) في Trailer Settings (إعدادات المقطورة) أو Camera Settings (إعدادات الكاميرا). يفرض النظام إدخال أبعاد المقطورة قبل استخدام النظام.

ملاحظة:

- إذا تم توصيل مقطورة ولكن لم يتم إدخال أبعاد المقطورة في صفحة إعدادات Trailer Surround Camera (محيط المقطورة)، فسيتم ضبط النظام افتراضيًا على صفحة الإعدادات.
- إذا لم يتم توصيل مقطورة ولم يتم تحديد أي زر، فستظهر رسالة: "Connect Trailer Equipped With Trailer Surround View System (قم بتوصيل المقطورة بنظام الرؤية المحيطة للمقطورة)".

إدخال قيم المقطورة

لكي يعمل نظام كاميرا الرؤية المحيطة للمقطورة، يجب إدخال جميع الحقول. عند الحاجة إلى قيمة، ستعرض الشاشة كلمة "Required (مطلوبة)".

الوصف	الضبط
إدخال الطول الإجمالي للمقطورة	طول المقطورة
إدخال إجمالي عرض المقطورة	عرض المقطورة
إدخال ارتفاع الكاميرا المركبة	ارتفاع الكاميرا

التشغيل

يمكن تنشيط كاميرا المقطورة المحيطة من خلال نظام Uconnect عندما تكون السيارة في وضع PARK (التوقف) أو NEUTRAL (اللاتشيق) أو DRIVE (القيادة).

عند نقل السيارة إلى وضع REVERSE (الرجوع إلى الخلف)، تكون كاميرا الرؤية المحيطة التي تعرض المنظر العلوي وكاميرا الرجوع للخلف هي المنظر الافتراضي للنظام. اضغط على زر More Cams (مزيد من الكاميرات) واضغط على علامة تبويب Trailer Cameras (المقطورة) للوصول إلى Trailer Cameras (كاميرات المقطورة). اضغط على زر Trailer Surround Camera (كاميرا الرؤية المحيطة للمقطورة) للوصول إلى المنظر العلوي والمنظر الخلفي للمقطورة.

إذا كان تأخير الكاميرا قيد التشغيل، فسيتم عرض صورة الكاميرا لمدة تصل إلى 10 ثوان بعد الخروج من وضع REVERSE (الرجوع للخلف). لن يتم عرض صورة الكاميرا لمدة 10 ثوان إذا تجاوزت سرعة السيارة 13 كم/الساعة (8 أميال/الساعة)، أو تم نقل ناقل الحركة في السيارة إلى وضع PARK (التوقف)، أو تمت إدارة مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل). يعمل زر X بشاشة اللمس على تعطيل عرض صورة الكاميرا.

إذا كان تأخير الكاميرا في وضع إيقاف التشغيل، فسيتم إغلاق صورة الكاميرا وعرض الشاشة السابقة بعد الخروج من وضع REVERSE (الرجوع للخلف).

أوضاع التشغيل

يوفر نظام كاميرا الرؤية المحيطة بالمقطورة شاشتي عرض مختلفتين للكاميرا:

- شاشة منظر علوي مقسمة مع كاميرا مركبة محددة واحدة
- عرض ملء الشاشة للكاميرا مركبة محددة

اضغط على زر More Cams (مزيد من الكاميرات) على شاشة Surround View (الرؤية المحيطة) وحدد علامة تبويب Trailer (المقطورة) للوصول إلى Trailer Cameras (كاميرات المقطورة). اضغط على زر Trailer Surround Camera (كاميرا الرؤية المحيطة للمقطورة) للوصول إلى المنظر العلوي الافتراضي والمنظر الخلفي للمقطورة.

منظر علوي

سيتم عرض المنظر العلوي في نظام Uconnect مع منظر علوي ومنظر خلفي في شاشة عرض مقسمة.

ملاحظة:

إذا كانت السيارة في وضع 4WD Low (الدفع الرباعي المنخفض)، فسيتم عرض صورة الكاميرا الأمامية حتى يتم الضغط على الزر X بشاشة اللمس أو تتم إدارة مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل).

كاميرات المقطورة — إذا كانت السيارة مزودة بذلك

4

نظام كاميرا الرؤية المحيطة للمقطورة - إذا كانت السيارة مزودة بذلك

يتيح لك نظام كاميرا الرؤية المحيطة للمقطورة رؤية صورة على الشاشة للبيئة المحيطة والمنظر العلوي للمقطورة باستخدام أربع كاميرات قابلة للتكوين. يحدث ذلك عند تحديد زر "More Cams" (مزيد من الكاميرات)، أو عند تمكينه من خلال نظام Uconnect. ستظهر الصورة على شاشة عرض النظام Uconnect مع ملاحظة تحذيرية "Check Entire Surroundings" (تحقق من كل ما يحيط بالسيارة). وبعد خمس ثوانٍ تختفي هذه الملاحظة.

ملاحظة:

- تتوفر مجموعة كاميرا الرؤية المحيطة للمقطورة فقط في السيارات المزودة بنظام كاميرا الرؤية المحيطة.
- يشتمل نظام كاميرا الرؤية المحيطة للمقطورة على إعدادات قابلة للبرمجة والتي يمكن اختيارها من خلال نظام Uconnect ➔ صفحة ٢٢٩.

عرض الكاميرا الأمامية مع خطوط موضع الإطارات - إذا كانت السيارة مزودة بذلك

تعرض الكاميرا الأمامية صورة أمامية للطريق أمام السيارة، بالإضافة إلى خطوط لموضع الإطارات لتوجيه السائق عند القيادة على الطرق الضيقة. يمكن تنشيط/إلغاء تنشيط خطوط موضع الإطارات من خلال إعدادات نظام Uconnect.

التنشيط

يمكن تنشيط الكاميرا الأمامية بالطرق الآتية:

- الضغط على زر Forward Facing Camera (الكاميرا الأمامية) في شاشة Controls (مفاتيح التحكم) أو قائمة Apps (التطبيقات)
- الضغط على زر الكاميرا المتجهة للأمام الموجود في الزاوية العلوية اليسرى من شاشة عرض كاميرا الرجوع للخلف

بمجرد تنشيطها، ستظل صورة الكاميرا معروضة ما لم تزد سرعة السيارة عن 13 كم/ساعة (8 ميل/ساعة).

إلغاء التنشيط

يتم إلغاء تنشيط الكاميرا الأمامية في الظروف التالية:

- تجاوز سرعة السيارة 13 كم/ساعة (8 أميال/الساعة)، إلا عندما تكون السيارة في وضع 4WD Low (الدفع الرباعي المنخفض).
- تم الضغط على الزر X بشاشة اللمس.
- نقل السيارة إلى وضع PARK (التوقف).
- وضع مفتاح التشغيل في وضع OFF (إيقاف التشغيل).

تحذير!

يجب أن يتوخى السائقون الحرس عند الرجوع للخلف حتى عند استخدام نظام كاميرا الرؤية المحيطة. قم دائماً بفحص منطقة خلف السيارة بحرص، وتأكد من عدم وجود مشاة أو حيوانات أو سيارات أخرى أو عوائق أو مناطق غير مرئية قبل الرجوع للخلف. إنك تتحمل المسؤولية فيما يتعلق بأمان المنطقة المحيطة بالسيارة ويجب عليك الاستمرار في الحرس أثناء الرجوع للخلف. قد يؤدي الفشل في القيام بذلك إلى وقوع إصابات شخصية خطيرة أو الوفاة.

تنبيه!

- لتجنب إلحاق التلف بالسيارة، يجب استخدام نظام الرؤية المحيطة كأداة مساعدة في التوقف فقط. يتعذر على كاميرا الرؤية المحيطة عرض كل عائق أو جسم في مسار القيادة.
- لتجنب حدوث تلفيات بالسيارة، يجب قيادة السيارة ببطء عند استخدام نظام الرؤية المحيطة لتتمكن من إيقاف السيارة في الوقت المناسب بمجرد مشاهدة العائق. يوصى بأن ينظر السائق خلفه بشكل متكرر عند استخدام نظام الرؤية المحيطة.

للحصول على معلومات حول الكاميرات الإضافية (إذا كانت السيارة مزودة بذلك)، انظر ➔ صفحة ٢٠٢.

- عند تنشيط ميزة التحكم في توجيه المقطورة للخلف (TRSC) (إذا كانت السيارة مزودة بذلك)، لن تتوفر الأزرار التالية على شاشة اللمس:
 - كاميرا الرجوع للخلف
 - الكاميرا الأمامية مع خطوط موضع الإطارات
 - جميع مناظر كاميرا الرؤية المحيطة

عرض التكبير/التصغير

عند عرض صورة كاميرا الرؤية الخلفية، وعندما تكون سرعة السيارة أقل من 13 كم/ الساعة (8 أميال/ الساعة)، يكون عرض التكبير/التصغير متاحًا. بالضغط على رمز "العدسة المكبرة" في أعلى يسار شاشة العرض، سيتم تكبير الصورة بمقدار ضعفي العرض القياسي. يؤدي الضغط على الرمز مرة ثانية إلى إعادة العرض إلى عرض كاميرا الرجوع للخلف القياسي.

عند تحديد عرض التكبير/التصغير في أثناء وجود السيارة في وضع REVERSE (الرجوع للخلف)، ثم الانتقال إلى وضع DRIVE (القيادة)، فسيتم تغيير عرض تأخير الكاميرا إلى عرض كاميرا الرجوع للخلف القياسي. إذا تمت إعادة السيارة بعد ذلك ترس REVERSE (الرجوع للخلف) من وضع DRIVE (القيادة)، فسيتم استئناف تحديد عرض التكبير/التصغير تلقائيًا.

يؤدي الانتقال إلى وضع NEUTRAL (اللاتعشيق) من أي ترس إلى الحفاظ على العرض المحدد (تكبير أو قياسي) ما دامت سرعة السيارة أقل من 13 كم/ساعة (8 أميال في الساعة).

إذا كانت السيارة في وضع PARK (التوقف)، فسيكون عرض التكبير/التصغير متاحًا حتى يتم وضع محدد التروس في وضع DRIVE (القيادة) أو وضع REVERSE (الرجوع للخلف) وتكون السرعات عند 8 أميال في الساعة (13 كم/الساعة).

ملاحظة:

- إذا كانت السيارة في وضع القيادة (D) أو اللاتعشيق (N) أو الرجوع للخلف (R)، وكانت السرعة أكبر من 13 كم/ساعة (8 أميال/ساعة)، فلن يكون عرض التكبير/التصغير متاحًا وسيظهر الرمز باللون الرمادي.
- عند التواجد في عرض التكبير/التصغير، لن تكون الإرشادات ظاهرة.

إلغاء التنشيط

يتم إلغاء تنشيط النظام في الظروف التالية، إذا تم تنشيطه بصورة أوتوماتيكية:

- عند إخراج السيارة من وضع REVERSE (الرجوع للخلف) مع تشغيل تأخير الكاميرا، سيستمر عرض صورة الكاميرا لمدة تصل إلى 10 ثوان بعد الخروج من وضع REVERSE (الرجوع للخلف) ما لم تتجاوز سرعة السيارة 13 كم/ساعة (8 أميال/الساعة) أو يتم نقل ناقل الحركة إلى وضع PARK (التوقف) أو يتم وضع مفتاح التشغيل في وضع OFF (إيقاف التشغيل). يوجد زر X بشاشة اللمس لتعطيل عرض صورة الكاميرا.

- عند إخراج السيارة من وضع REVERSE (الرجوع للخلف) مع إيقاف تشغيل تأخير الكاميرا، يتم الخروج من وضع كاميرا الرؤية المحيطة وتظهر آخر شاشة معروفة مرة أخرى.

يتم إلغاء تنشيط النظام في الظروف الآتية إذا كان قد تم تنشيطه يدويًا من قائمة مفاتيح التحكم في نظام Uconnect من خلال زر Surround View (الرؤية المحيطة) أو زر Back Up Camera (كاميرا الرجوع للخلف):

- تم الضغط على الزر X بشاشة اللمس
- نقل السيارة إلى وضع PARK (التوقف)
- وضع مفتاح التشغيل في وضع OFF (إيقاف التشغيل)
- سرعة السيارة أكبر من 13 كم/الساعة (8 أميال في الساعة) لمدة 10 ثوان

ملاحظة:

إذا تم تنشيط كاميرا الرؤية المحيطة يدويًا، وتم نقل السيارة إلى وضع REVERSE (الرجوع للخلف)، يتم افتراض طرق إلغاء التنشيط للتنشيط الأوتوماتيكي. يتم إيقاف تشغيل نظام تأخير الكاميرا يدويًا من خلال قائمة إعدادات نظام Uconnect ↩ صفحة ٢٢٩.

ملاحظة:

- إذا تراكم الثلج أو الطين أو أي مادة غريبة على عدسات الكاميرات، فنظف العدسات واشطفها بالماء وجففها بقطعة قماش ناعمة. لا تقم بتغطية العدسات.
- إذا حدث عطل بالنظام، فراجع الوكيل المعتمد.

منظر مسار التقاطع الخلفي

يؤدي الضغط على زر Rear Cross Path

(مسار التقاطع الخلفي) إلى منح السائق منظرًا بزواوية أعرض لنظام الكاميرا الخلفية. سيتم تعطيل المنظر العلوي عند تحديد ذلك.



منظر علوي بالإضافة إلى منظر أمامي

يؤدي الضغط على زر المنظر الأمامي إلى عرض العناصر الموجودة أمام السيارة مباشرة ويكون مقترنًا دائمًا بالمنظر العلوي للسيارة.



منظر مسار التقاطع الأمامي

يؤدي الضغط على زر Front Cross

Path (مسار التقاطع الأمامي) إلى منح السائق منظرًا بزواوية أعرض لنظام الكاميرا الأمامية. سيتم تعطيل المنظر العلوي عند



تحديد ذلك.

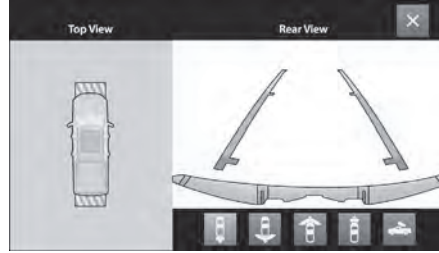
عرض كاميرا الرجوع للخلف

يؤدي الضغط على زر Back Up Camera (كاميرا الرجوع للخلف) إلى توفير عرض خلفي بملء الشاشة مع إمكانية الوصول إلى عرض التكبير/التصغير.



ملاحظة:

- إذا تم تحديد كاميرا الرجوع للخلف من خلال قائمة كاميرا الرؤية المحيطة، فسيؤدي الخروج من شاشة العرض إلى العودة إلى قائمة الرؤية المحيطة. إذا تم تنشيط كاميرا الرجوع للخلف يدويًا من خلال قائمة Controls (مفاتيح التحكم) من نظام Uconnect، فسيؤدي الخروج من شاشة العرض إلى العودة إلى قائمة مفاتيح التحكم.



عرض كاميرا الرؤية المحيطة

ملاحظة:

- سيتم عرض الإطارات الأمامية في الصورة عند إدارة الإطارات.
- بسبب الكاميرات ذات الزاوية العريضة في المرايا، ستظهر الصورة مشوهة.
- سيوضح المنظر العلوي الأبواب المفتوحة.
- ستحجب الأبواب الأمامية المفتوحة الصورة الخارجية.

منظر علوي بالإضافة إلى منظر خلفي

هذا هو المنظر الافتراضي للنظام في وضع REVERSE (الرجوع للخلف) ويتم إقرانه دائمًا بالمنظر العلوي للسيارة مع إرشادات اختيارية نشطة للمسار المتوقع عند تمكينها.



تحتوي الإرشادات على مناطق ملونة مختلفة للإشارة إلى المسافة التي يبعدها جسم ما مشاهد عن مؤخرة السيارة. راجع الجدول التالي:

المنطقة	المسافة إلى مؤخرة السيارة
أحمر	0 - 30 سم (0 - 1 قدم)
أصفر	30 سم - 2 متر (1 - 6.5 أقدام)
أخضر	2 متر أو أكبر (6.5 أقدام أو أكبر)


أوضاع التشغيل

يمكن تنشيط المنظر الخلفي القياسي يدويًا عن طريق تحديد "Back Up Camera" (كاميرا الرجوع للخلف) من خلال قائمة Controls (مفاتيح التحكم) في نظام Uconnect.

منظر علوي

سيتم عرض المنظر العلوي في نظام Uconnect مع منظر خلفي أو منظر أمامي في عرض شاشة منقسمة. توجد أقواس ParkSense مدمجة في الصورة في الجزء الأمامي والخلفي من السيارة. سيتغير لون الأقواس من الأصفر إلى الأحمر بصورة مناظرة لمناطق المسافة إلى الجسم القادم.


ملاحظة:

- إذا كانت السيارة في وضع القيادة (D) أو اللاتعشيق (N) أو الرجوع للخلف (R)، وكانت السرعة أكبر من 13 كم/ساعة (8 أميال/ساعة)، فلن يكون عرض التكبير/التصغير متاحًا وسيظهر الرمز باللون الرمادي.
- عند التواجد في عرض التكبير/التصغير، لن تكون الإرشادات ظاهرة.
- للحصول على معلومات حول الكاميرات الإضافية (إذا كانت السيارة مزودة بذلك)، راجع  صفحة ٢٠٢.

نظام كاميرا الرؤية المحيطة — إذا كانت السيارة مزودة بذلك

يتيح لك نظام كاميرا الرؤية المحيطة رؤية صورة على الشاشة للبيئة المحيطة والمنظر العلوي للسيارة. يحدث ذلك عندما يكون محدد التروس في وضع REVERSE (الرجوع للخلف) أو عند تمكينه من خلال نظام Uconnect. سيعرض المنظر العلوي للسيارة أيضًا أي أبواب مفتوحة. ستظهر الصورة على شاشة اللمس مع ملاحظة تحذيرية "Check Entire Surroundings" (تحقق من كل ما يحيط بالسيارة). وبعد خمس ثوانٍ تختفي هذه الملاحظة. يتكون نظام كاميرا الرؤية المحيطة من أربع كاميرات موجودة في الشبكة الأمامية وباب المؤخرة الخلفي والمرايتين الجانبيتين.

ملاحظة:

- ستؤدي إزالة باب المؤخرة إلى تعطيل وظيفة كاميرا الرؤية الخلفية.
- يشمل نظام كاميرا الرؤية المحيطة على إعدادات قابلة للبرمجة والتي يمكن اختيارها من خلال نظام Uconnect  صفحة ٢٢٩.
- اضغط على هذا الزر في شاشة اللمس لدخول قائمة كاميرا الرؤية المحيطة في نظام Uconnect.



عند نقل السيارة إلى وضع REVERSE (الرجوع للخلف)، يكون المنظر الخلفي والمنظر العلوي هو المنظر الافتراضي للنظام.

إذا كان تأخير الكاميرا قيد التشغيل، فسيتم عرض صورة الكاميرا لمدة تصل إلى 10 ثوانٍ بعد الخروج من وضع REVERSE (الرجوع للخلف). سوف يتوقف عرض صورة الكاميرا، وسوف تُغلق، وسوف تعرض الشاشة السابقة إذا تجاوزت سرعة السيارة 13 كم/الساعة (8 أميال/الساعة)، أو تم نقل ناقل الحركة في السيارة إلى وضع PARK (التوقف)، أو تمت إدارة مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل). يقوم زر X الموجود على شاشة اللمس بتعطيل عرض صورة الكاميرا.

إذا كان تأخير الكاميرا في وضع إيقاف التشغيل، فسيتم إغلاق صورة الكاميرا وعرض الشاشة السابقة بعد الخروج من وضع REVERSE (الرجوع للخلف).

في حال تمكين الإرشادات النشطة، تتراب الخطوط فوق الصورة في المنظر الخلفي والمنظر العلوي لتوضيح عرض السيارة ومسارها المخطط بناءً على موضع عجلة القيادة.

شاشة العرض، سيتم تكبير الصورة بمقدار أربعة أضعاف العرض القياسي. يؤدي الضغط على الرمز مرة ثانية إلى إعادة العرض إلى عرض كاميرا الرجوع للخلف القياسي. عند تحديد عرض التكبير/التصغير في أثناء وجود السيارة في وضع REVERSE (الرجوع للخلف)، ثم الانتقال إلى وضع DRIVE (القيادة)، فسيتم عرض تأخير الكاميرا إلى عرض كاميرا الرجوع للخلف القياسي. إذا تمت إعادة السيارة بعد ذلك ترس REVERSE (الرجوع للخلف) من وضع DRIVE (القيادة)، فسيتم استئناف تحديد عرض التكبير/التصغير تلقائيًا.

ملاحظة:

لن يتوفر زر Zoom View (عرض التكبير/التصغير) وزر AUX (الأجهزة الإضافية) إذا كانت السيارة مزودة بذلك عند نقل السيارة إلى وضع REVERSE (الرجوع للخلف) مع تنشيط ميزة Trailer Reverse Steering Control (التحكم في توجيه المقطورة للخلف) (إذا كانت السيارة مزودة بذلك).

يؤدي الانتقال إلى وضع NEUTRAL (اللاتعشيق) من أي ترس إلى الحفاظ على العرض المحدد (تكبير أو قياسي) ما دامت سرعة السيارة أقل من 13 كم/ساعة (8 أميال في الساعة).

إذا كانت السيارة في وضع PARK (التوقف)، فسيكون عرض التكبير/التصغير متاحًا حتى يتم وضع محدد التروس في وضع DRIVE (القيادة) أو وضع REVERSE (الرجوع للخلف) وتكون السرعات عند 8 أميال في الساعة (13 كم/الساعة).

تحذير!

المنطقة المحيطة بالسيارة ويجب عليك الاستمرار في الحرس أثناء الرجوع للخلف. قد يؤدي الفشل في القيام بذلك إلى وقوع إصابات شخصية خطيرة أو الوفاة.

تنبيه!

- لتجنب إلحاق التلف بالسيارة، يجب استخدام نظام **ParkView** فقط كأداة مساعدة في التوقف. لا تستطيع كاميرا **ParkView** عرض كل عائق أو جسم في مسار القيادة.
- لتجنب حدوث تلفيات بالسيارة، يجب قيادة السيارة ببطء عند استخدام نظام **ParkView** ليمكنك إيقاف السيارة بمجرد مشاهدة العائق. يوصى بأن ينظر السائق خلفه بشكل متكرر عند استخدام نظام **ParkView**.

ملاحظة:

إذا تراكم الثلج أو الطين أو أي مادة غريبة على عدسة الكاميرا، نظف العدسة واشطفها بالماء وجففها بقطعة قماش ناعمة. لا تقم بتغطية العدسة.

عرض التكبير/التصغير

عند عرض صورة كاميرا الرؤية الخلفية، وعندما تكون سرعة السيارة أقل من 13 كم/ الساعة (8 أميال/ الساعة) في أثناء تحديد أي ترس، يكون عرض التكبير/ التصغير متاحًا. بالضغط على رمز "العدسة المكبرة" في أعلى يسار

- يتوفر زر شاشة اللمس X لتعطيل صورة الكاميرا عندما لا تكون السيارة في وضع **REVERSE** (الرجوع للخلف) فقط.

عند تمكينها، تتراكم خطوط التوجيه النشطة على الصورة لتوضح عرض السيارة ومسار الرجوع للخلف المتوقع اعتمادًا على موضع عجلة القيادة. يشير تراكب خط المنتصف المنقطع إلى مركز السيارة للمساعدة بخصوص التوقف أو المحاذاة مع قضيب ربط/المستقبل. توضح المناطق ذات الألوان المختلفة المسافة إلى مؤخرة السيارة. يوضح الجدول التالي المسافات التقريبية لكل منطقة:

المناطق	المسافة إلى مؤخرة السيارة
أحمر	0 - 30 سم (0 - 1 قدم)
أصفر	30 سم - 2 متر (1 - 6.5 أقدام)
أخضر	2 متر أو أكبر (6.5 أقدام أو أكبر)

تحذير!

يجب أن يتوخ سائقو السيارات الحرس عند الرجوع للخلف حتى عند استخدام نظام كاميرا الرجوع الخلفية **ParkView**. قم دائمًا بفحص منطقة خلف السيارة بحرص، وتأكد من عدم وجود مشاة أو حيوانات أو سيارات أخرى أو عوائق أو مناطق غير مرئية قبل الرجوع للخلف. إنك تتحمل المسؤولية فيما يتعلق بأمان

(تابع)

- تحتوي كاميرا الرجوع للخلف **ParkView** على أوضاع تشغيل قابلة للبرمجة قد يتم تحديدها من خلال نظام **Uconnect** صفحة ٢٢٩.

عند إخراج السيارة من وضع **REVERSE** (الرجوع للخلف) مع إيقاف تشغيل تأخير الكاميرا، يتم الخروج من وضع الكاميرا الخلفية وتظهر الشاشة السابقة. عند إخراج السيارة من وضع **REVERSE** (الرجوع للخلف) مع تشغيل تأخير الكاميرا، سيستمر عرض صورة الكاميرا لمدة تصل إلى 10 ثوان بعد الخروج من وضع **REVERSE** (الرجوع للخلف) إلا إذا حدثت الحالات الآتية: تجاوز سرعة السيارة 13 كم/ساعة (8 أميال/ ساعة) أو انتقال السيارة إلى وضع **PARK** (التوقف) أو وضع مفتاح تشغيل السيارة في وضع **OFF** (إيقاف التشغيل) أو ضغط المستخدم على الزر X بشاشة اللمس للخروج من عرض الفيديو الخاص بالكاميرا.

مُتي تم تنشيط صورة كاميرا الرؤية الخلفية من خلال زر **Back Up Camera** (كاميرا الرجوع للخلف) في قائمة **Controls** (مفاتيح التحكم)، وكانت سرعة السيارة أكبر من 4 كم/ساعة (3 أميال/ الساعة) أو 8 أميال في الساعة، فسيبدأ تشغيل مؤقت عرض للصورة. سيستمر عرض الصورة حتى يتجاوز مؤقت العرض 10 ثوان.

ملاحظة:

- إذا ظلت سرعة السيارة أقل من 13 كم/ساعة (8 أميال/ساعة)، فسيتم عرض صورة كاميرا الرؤية الخلفية بشكل مستمر حتى يتم إلغاء تنشيطها من خلال زر X بشاشة اللمس، أو تحريك ناقل الحركة إلى وضع **PARK** (التوقف)، أو إدارة مفتاح التشغيل إلى وضع **OFF** (إيقاف التشغيل).

كاميرا الرجوع للخلف ParkView

— إذا كانت السيارة مزودة بذلك

تتيح لك كاميرا الرجوع للخلف ParkView رؤية صورة على الشاشة للبيئة المحيطة الخلفية للسيارة عند وضع محدد التروس في وضع REVERSE (الرجوع للخلف). سيتم عرض الصورة على شاشة عرض نظام الملاحة/ الراديو متعدد الوسائط مع ملاحظة تحذيرية "Check Entire Surroundings" (تحقق من كل ما يحيط بالسيارة) بطول الجزء العلوي من الشاشة. وبعد خمس ثوان تختفي هذه الملاحظة. توجد كاميرا الرجوع للخلف ParkView في منتصف مقبض باب المؤخرة.

ملاحظة:

ستؤدي إزالة باب المؤخرة إلى تعطيل وظيفة كاميرا الرؤية الخلفية.

التشغيل اليدوي لكاميرا الرؤية الخلفية:

1. اضغط على زر Vehicle (السيارة) الموجود أسفل شاشة عرض نظام Uconnect، ثم حدد قائمة Controls (مفاتيح التحكم).
2. اضغط على رمز Back Up Camera (كاميرا الرجوع للخلف) لتشغيل نظام كاميرا الرؤية الخلفية.

ملاحظة:

- يمكن أيضاً تشغيل كاميرا الرؤية الخلفية يدوياً من خلال قائمة Apps (التطبيقات) داخل نظام Uconnect.

- يتم تعطيل التحذيرات باستخدام إشارة الانعطاف.

• لن يستعمل النظام العزم على عجلة القيادة عند تشغيل أي نظام من أنظمة السلامة (الفرامل المانعة للانغلاق، نظام التحكم في الجر، نظام التحكم في الاستقرار الإلكتروني، التحذير بشأن التصادم الأمامي، إلخ).

نظام المساعدة في اكتشاف النقاط الخفية الذي يتم تنشيطه بإشارة الانعطاف — إذا كانت السيارة مزودة بذلك

عند تمكينها من نظام Uconnect وتنشيط إشارة انعطاف، سيتم عرض كاميرا مرآة الرؤية الجانبية المقابلة في الراديو. تستمر الكاميرا في العرض ما دامت إشارة الانعطاف قيد التشغيل. في حالة اختيار "Only With Trailer" (مع المقطورة فقط) (إذا كانت السيارة مزودة بذلك)، لن تعرض الكاميرا إلا عند توصيل مقطورة بالسيارة ➞ صفحة ٢٢٩.

تحذير!

نظام المساعدة في اكتشاف النقاط الخفية هو أداة مساعدة فقط للمساعدة في اكتشاف الأشياء الموجودة في مناطق النقاط الخفية وقد لا يوفر تنبيهات عند تغيير الحارات في كل ظروف القيادة. حتى في حالة تزويد سيارتك بنظام المساعدة في اكتشاف النقاط الخفية (BSA)، احرص دائماً على التحقق من مرآة السيارة والنظر من فوق الكتف واستخدام إشارات الانعطاف قبل تغيير الحارات. قد يؤدي الفشل في القيام بذلك إلى وقوع إصابات شخصية خطيرة أو الوفاة.



اقتراب الحارة (وميض خط الحارة باللون الأصفر) مع وميض مؤشر التحذير باللون الأصفر

ملاحظة:

يعمل نظام LaneSense (استشعار الحارة) بشكل مشابه عند مغادرة الحارة اليمنى.

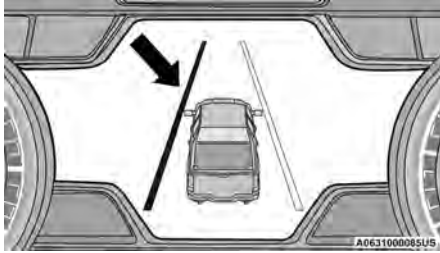
تغيير حالة نظام LANESENSE (استشعار الحارة)

يحتوي نظام LaneSense (استشعار الحارة) على إعدادات لضبط شدة حساسية تحذير العزم وحساسية منطقة التحذير (المبكرة/المتوسطة/المتأخرة) يمكنك تهيئتها من خلال نظام Uconnect ➞ صفحة ٢٢٩.

ملاحظة:

- عند تمكين هذا الإعداد يعمل النظام عند التحرك بسرعة أعلى من 60 كم/ساعة (37 ميلاً/ساعة) أقل من 180 كم/ساعة (112 ميلاً/ساعة).

على سبيل المثال: عند الاقتراب من الجانب الأيسر من الحارة، سوف تدور عجلة القيادة إلى اليمين.



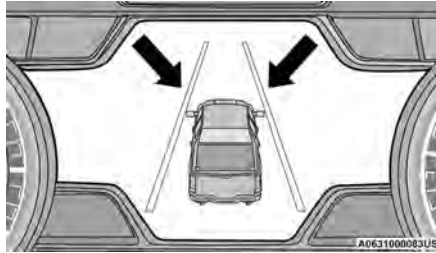
استشعار حارة (خط حارة باللون الأصفر الثابت) مع مؤشر تحذير باللون الأصفر الثابت

- عند استشعار نظام LaneSense (استشعار الحارة) اقتراب الحارة وفي حالة مغادرة الحارة، يومض خط الحارة الأيسر باللون الأصفر (تشغيل/إيقاف). يتغير مؤشر تحذير LaneSense (استشعار الحارة) من الأصفر الثابت إلى الأصفر الوامض. في هذا الوقت يتم تطبيق العزم على عجلة القيادة في الاتجاه المعاكس لحدود الحارة.

على سبيل المثال: عند الاقتراب من الجانب الأيسر من الحارة، سوف تدور عجلة القيادة إلى اليمين.

مغادرة الحارة اليسرى — اكتشاف كلا خطي الحارة

- عندما يكون نظام LaneSense (استشعار الحارة) في وضع تشغيل، ويتم اكتشاف كلتا علامتي الحارة، يتم "تنشيط" النظام ليوفر تحذيرات مرئية في شاشة عرض مجموعة أجهزة القياس وعمل مقاومة تحذيرية في عجلة القيادة وذلك في حالة مغادرة الحارة بشكل غير مقصود. وتحول خطوط الحارة من اللون الرمادي إلى الأبيض ويضيء مؤشر تحذير نظام LaneSense (استشعار الحارة) بلون أخضر ثابت.



الحارات التي تم استشعارها (خطوط باللون الأبيض) مع ضوء تحذيري باللون الأخضر

- عند استشعار نظام LaneSense (استشعار الحارة) حالة انحراف عن الحارة، يتحول خط الحارة الأيسر إلى اللون الأصفر الثابت. يتغير مؤشر تحذير LaneSense (استشعار الحارة) من اللون الأخضر الثابت إلى الأصفر الثابت. في هذا الوقت يتم تطبيق العزم على عجلة القيادة في الاتجاه المعاكس لحدود الحارة.

ويصبح النظام جاهزًا لتوفير تحذيرات مرئية في شاشة عرض مجموعة أجهزة القياس إذا حدثت مغادرة للحارة بصورة غير مقصودة على الجانب الأيسر.

- عندما يستشعر نظام LaneSense (استشعار الحارة) اقتراب الحارة والتواجد في موقف يتضمن مغادرة الحارة، فسيعرض التحذير المرئي في شاشة عرض مجموعة أجهزة القياس وميضًا (تشغيل/إيقاف) باللون الأصفر لخط الحارة الأيسر. يتغير مؤشر نظام LaneSense (استشعار الحارة) التحذيري من الأبيض الثابت إلى الأصفر الوامض.




اقتراب الحارة (وميض خط الحارة باللون الأصفر) مع مؤشر التحذير باللون الأصفر

ملاحظة:

يعمل نظام LaneSense (استشعار الحارة) بشكل مشابه مع مغادرة الحارة اليمنى عند اكتشاف علامة الحارة اليمنى فقط.

رسالة تحذير نظام LANESENSE (استشعار الحارة)

يشير نظام LaneSense (استشعار الحارة) إلى حالة خط السير داخل الحارة الحالية من خلال شاشة عرض مجموعة أجهزة القياس.

عند تشغيل نظام LaneSense (استشعار الحارة)، ستكون خطوط الحارة باللون الرمادي عند عدم اكتشاف حدود الحارة وعندما يضيء مؤشر LaneSense (استشعار الحارة) التحذيري  بلون أبيض ثابت.



تشغيل النظام (خطوط باللون الرمادي) مع مؤشر تحذيري باللون الأبيض

مغادرة الحارة اليسرى — اكتشاف الحارة اليسرى فقط

- عندما يكون نظام LaneSense (استشعار الحارة) في وضع تشغيل، يظل مؤشر نظام LaneSense (استشعار الحارة) التحذيري  مضاءً باللون الأبيض الثابت عند اكتشاف علامة الحارة اليسرى فقط،

تشغيل نظام LANESENSE (استشعار الحارة) أو إيقاف تشغيله

يوجد زر نظام LaneSense (استشعار الحارة) في لوحة المفاتيح أسفل شاشة نظام Uconnect.



ملاحظة:

إذا كانت سيارتك مزودة بشاشة عرض نظام Uconnect بحجم 12 بوصة، فإن زر LaneSense (استشعار الحارة) يكون فوق شاشة العرض.

لتشغيل نظام LaneSense (استشعار الحارة)، اضغط على زر LaneSense (استشعار الحارة) (بنطق مصباح LED). يتم عرض رسالة "LaneSense On" (تم تشغيل استشعار الحارة) في شاشة عرض مجموعة أجهزة القياس.

لإيقاف تشغيل نظام LaneSense (استشعار الحارة)، اضغط على زر LaneSense (استشعار الحارة) مرة أخرى (يضيء مصباح LED).

ملاحظة:

سينذكر نظام LaneSense (استشعار الحارة) آخر حالة للنظام on (التشغيل) أو off (إيقاف التشغيل) من آخر دورة تشغيل عند وضع مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق).

عند اكتشاف كلتا علامتي الحارة وانحراف السائق عن الحارة (بدون تشغيل إشارة انعطاف)، يوفر نظام استشعار الحارة LaneSense تحذيرًا ملموسًا في شكل مقاومة في عجلة القيادة، إلى جانب تحذير بصري في شاشة عرض مجموعة أجهزة القياس، وذلك لمطالبة السائق بالبقاء ضمن حدود الحارة.

قد يتجاوز السائق التحذير الملموس يدويًا عن طريق استعمال القوة على عجلة القيادة في أي وقت.

في حالة اكتشاف علامة واحدة فقط للحارة وانحراف السائق عبر علامة الحارة (بدون تشغيل إشارة انعطاف)، يصدر نظام LaneSense (استشعار الحارة) تحذيرًا مرئيًا عبر شاشة عرض مجموعة أجهزة القياس لمطالبة السائق بالبقاء ضمن الحارة.

في حالة اكتشاف إحدى علامتي الحارة، لن يتم توفير تحذير ملموس أو تحذير العزم.

ملاحظة:

- عندما تتوافر ظروف التشغيل، سيراقب نظام استشعار الحارة LaneSense وجود يدي السائق على عجلة القيادة ويوفر تحذيرًا صوتيًا وبصريًا للسائق في حالة إزالة يديه. سيتم إلغاء النظام إذا لم يعيد السائق يديه إلى عجلة القيادة.
- سيتم تعطيل ميزة LaneSense (استشعار الحارة) عند توصيل جرافة ثلج بالسيارة.

تنبيه!

- يعتبر نظام مساعد التوقف النشط ParkSense بمثابة أداة مساعدة في إيقاف السيارة فقط، وليس بإمكانه التعرف على كل عائق بما ذلك في العوائق الصغيرة. قد يتم اكتشاف حواف رصيف التوقف أو لا يتم اكتشافها على الإطلاق. لا يتم اكتشاف العوائق الموجودة بأعلى أو أسفل مجال رؤية المستشعرات عند التصاقها بالمستشعرات.
- يجب قيادة السيارة ببطء عند استخدام نظام مساعد التوقف النشط ParkSense ليتمكنك إيقاف السيارة وقت اكتشاف العائق. ينصح بأن ينظر السائق خلف كتفيه عند استخدام نظام مساعد التوقف النشط ParkSense.

ميزة LANESENSE (استشعار الحارة) — إذا كانت السيارة مزودة بذلك

تشغيل نظام LANESENSE (استشعار الحارة)

عند تشغيل نظام LaneSense (استشعار الحارة) بسرعات أعلى من 60 كم/ساعة (37 ميلاً/ساعة) وأقل من 180 كم/ساعة (112 ميلاً/ساعة). يستخدم نظام LaneSense (استشعار الحارة) كاميرا متجهة للأمام لاكتشاف علامات الحارة وقياس وضع السيارة ضمن حدود الحارة.

- سيقوم النظام بإلغاء المناورة إذا تجاوزت سرعة السيارة عن 7 كم/ساعة (5 أميال/ساعة) أثناء توجيه القيادة النشط في مكان التوقف. ويقوم النظام بتقديم تحذير للسائق عند الوصول لسرعة 5 كم/ساعة (3 أميال/ساعة) ليعلمه بإبطاء السرعة. وسيكون عندئذ السائق مسؤولاً عن الانتهاء من المناورة إذا تم إلغاء النظام.
- إذا تم إلغاء النظام أثناء المناورة لأي سبب، فيجب على السائق التحكم في السيارة.

تحذير!

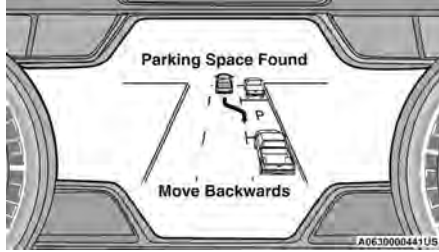
ينبغي أن يتوخ السائقين الحذر عند القيام بمناورات إيقاف السيارة بصورة موازية أو عمودية حتى مع استخدام نظام مساعد التوقف النشط ParkSense. قم دوماً بالتحقق بعناية مما وراء السيارة وأمامها مع النظر خلفك وأمامك، علاوة على التأكد من تفقد وجود مشاة أو حيوانات أو سيارات أخرى أو عوائق ومراجعة المناطق غير المرئية قبل الرجوع للخلف أو التحرك للأمام. تتحمل أنت مسؤولية القيادة ويجب عليك الاستمرار في الانتباه إلى ما حولك. قد يؤدي الفشل في القيام بذلك إلى وقوع إصابات شخصية خطيرة أو الوفاة.

قد يطلب النظام العديد من تبديلات التروس الأخرى (DRIVE (القيادة) و REVERSE (الرجوع للخلف)) مع رفع اليدين على عجلة القيادة، قبل أن يطلب من السائق التحقق من المنطقة المحيطة وإكمال مناورة الركن. عندما تكون السيارة في موضع الركن، ستكمل المناورة وسيطلب من السائق التحقق من موضع ركن السيارة، ثم تبديل التروس إلى PARK (التوقف). سيتم عرض الرسالة "Active ParkSense" (Complete - Check Parking Position) (اكتمل نظام ParkSense النشط - تحقق من موضع التوقف) للحظات.

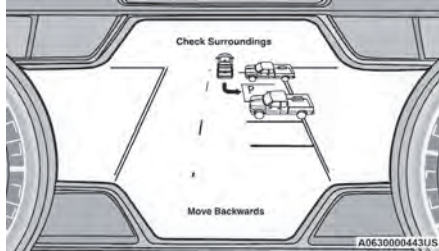
ملاحظة:

- تقع على السائق مسؤولية استخدام الفرامل ودواسة الوقود أثناء مناورة التوقف شبه الأوتوماتيكية.
- تقع على السائق مسؤولية استخدام الفرامل وإيقاف السيارة. ينبغي أن يقوم السائق بالتحقق من المنطقة المحيطة لإيقاف السيارة سواء عندما يتم إرشاده إلى ذلك أو عندما يكون تدخل السائق مطلوباً.
- عندما يوجه النظام السائق إلى رفع اليدين عن عجلة القيادة، فيجب على السائق التحقق من المنطقة المحيطة والبدء في الرجوع للخلف ببطء.
- سيسمح نظام مساعد التوقف النشط ParkSense بثمانى نقلات كحد أقصى بين وضعي DRIVE (القيادة) و REVERSE (الرجوع للخلف). إذا تعذر إكمال المناورة في خلال ثمانى نقلات للتروس، فسيتم إلغاء النظام وسترشد شاشة عرض مجموعة أجهزة القياس السائق إلى إكمال المناورة يدوياً.

قد يطلب النظام من السائق بعد ذلك انتظار اكتمال التوجيه قبل أن يطلب التحقق من المنطقة المحيطة والتحرك للخلف.



تحرك للخلف في مكان الركن المتوازي

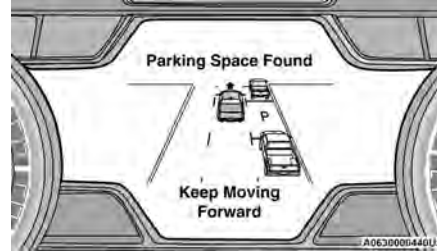


تحرك للخلف في مكان الركن العمودي

• عند البحث عن مكان للتوقف، ينبغي أن يقود السائق بصورة موازية أو عمودية (تبعاً لنوع المناورة) بالنسبة للسيارات الأخرى قدر الإمكان.

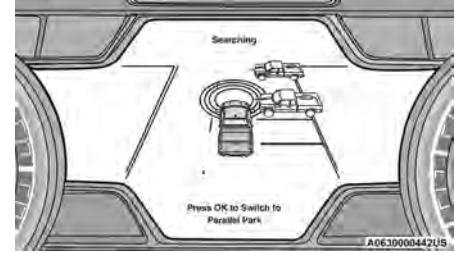
• سوف تشير هذه الميزة فقط إلى آخر مكان توقف تم اكتشافه (مثال: إذا مررت على أماكن توقف متعددة، فسيقوم النظام فقط بالإشارة إلى آخر مكان للتوقف تم اكتشافه لإجراء المناورة). تُعد مساحة التوقف غير صالحة بعد تجاوز السيارة مسافة 10 أمتار (32 قدماً) أو أكثر بعيداً عنها.

عند العثور على مكان توقف متاح والسيارة ليست في الوضع الصحيح، سيتم توجيهك للحرك إلى الأمام لضبط موضع السيارة لتسلسل الركن العمودي أو المتوازي (وفقاً لنوع المناورة التي يتم تنفيذها).



تم العثور على مساحة خالية - تابع التحرك للأمام

بمجرد وجود السيارة في الموضع، سيتم إرشادك لإيقاف حركة السيارة مع رفع يديك عن عجلة القيادة. عند توقف السيارة (الاستمرار في رفع يديك عن عجلة القيادة)، سيطلب منك وضع محدث التروس في وضع REVERSE (الرجوع للخلف).



اضغط على OK (موافق) للانتقال إلى التوقف المتوازي

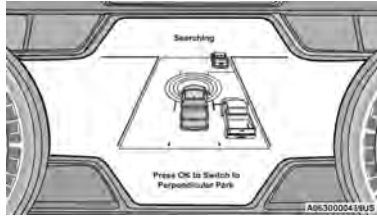
ملاحظة:

- عند البحث عن مكان للتوقف، استخدم مؤشر إشارة الانعطاف لتحديد أي جانب من السيارة ترغب في إجراء مناورة التوقف منه. سيقوم نظام مساعد التوقف النشط ParkSense تلقائياً بالبحث عن مكان للتوقف من ناحية جانب الراكب من السيارة إذا لم يتم تنشيط إشارة الانعطاف.
- ينبغي أن يتأكد السائق أن مكان التوقف المحدد لإجراء المناورة خالياً وليس به أي عوائق (مثل: المشاة أو الدراجات أو ما شابه).
- يعد السائق مسؤولاً عن ضمان مناسبة مكان التوقف المحدد لإجراء المناورة وأنه خالياً/ليس به أي عوائق قد تكون عائقاً أو بارزة في مكان التوقف (مثل: سلال أو أبواب خلفية أو ما شابه من الأشياء/السيارات المحيطة).

عند الضغط عليه، سيومض مصباح LED الموجود على مفتاح مساعد التوقف النشط ParkSense لفترة وجيزة، ثم سينطفئ مصباح LED إذا كانت أي من الشروط السابقة غير متوفرة.

عمل مساعد مكان التوقف العمودي/المتوازي

عند تمكين نظام مساعد التوقف النشط الخاص بنظام ParkSense (استشعار التوقف)، تظهر الرسالة "Active ParkSense Searching - Push OK To Switch To Perpendicular Park" (يقوم نظام استشعار التوقف النشط بالبحث - اضغط على موافق للانتقال إلى التوقف العمودي) أو "Active ParkSense Searching - Push OK" (يقوم نظام استشعار التوقف المتوازي) على شاشة عرض مجموعة أجهزة القياس. اضغط على زر OK (موافق) على الجانب الأيسر من عجلة القيادة لتغيير إعداد مكان التوقف. لا يمكنك التبديل بين مناورات التوقف العمودية والمتوازية.



اضغط على OK (موافق) للانتقال إلى التوقف العمودي

ملاحظة:

سيسمح نظام مساعد التوقف النشط ParkSense بثمانى نقلات كحد أقصى بين وضعي DRIVE (القيادة) و REVERSE (الرجوع للخلف). إذا تعذر إكمال المناورة في خلال ثمانى نقلات للتروس، فسيتم إلغاء النظام وسترشد شاشة عرض مجموعة أجهزة القياس السائق إلى إكمال المناورة يدوياً.

يعمل نظام مساعد التوقف النشط ParkSense ويبحث فقط عن مكان للتوقف عند توافر الشروط التالية:

- محدد التروس في وضع DRIVE (القيادة).
- وجود مفتاح التشغيل في وضع ON/ RUN (التشغيل/ الانطلاق).
- تنشيط مفتاح مساعد التوقف النشط ParkSense.
- إغلاق باب السائق.
- إغلاق باب المؤخرة.
- سرعة السيارة أقل من 25 كم/ساعة (15 ميلاً/ساعة).
- أن يكون السطح الخارجي والجانب السفلي من الواجهتين/المصدات الأمامية والخلفية نظيفاً وخالياً من الجليد أو الثلج أو الوحل أو الأوساخ أو أي انسداد آخر.

ملاحظة:

في حالة قيادة السيارة بسرعة تزيد عن 25 كم/ساعة (15 ميلاً/ساعة) تقريباً، سترشد شاشة عرض مجموعة أجهزة القياس السائق إلى تخفيض السرعة. في حالة قيادة السيارة بسرعة تزيد عن 30 كم/ساعة (18 ميلاً/ساعة) تقريباً، يتم إلغاء النظام. يجب على السائق عندئذ إعادة تنشيط النظام عن طريق الضغط على مفتاح مساعد التوقف النشط ParkSense.

لتمكين نظام مساعد التوقف النشط ParkSense أو تعطيله، اضغط على مفتاح مساعد التوقف النشط ParkSense مرة واحدة (يضيء مصباح LED). سيؤدي الضغط على المفتاح مرة ثانية إلى تعطيل النظام (ينطفئ مصباح LED).

سيتم إيقاف تشغيل نظام مساعد التوقف النشط ParkSense أوتوماتيكياً في حالة حدوث أي من الظروف التالية:

- اكتمال مناورة التوقف.
- سرعة السيارة أكبر من 30 كم/ الساعة (18 ميلاً/ الساعة) عند البحث عن مكان للتوقف.
- سرعة السيارة أكبر من 7 كم/ الساعة (5 أميال/ الساعة) في أثناء توجيه القيادة النشط في مكان التوقف.
- لمس عجلة القيادة في أثناء توجيه القيادة النشط في مكان التوقف.
- الضغط على مفتاح مساعد التوقف الأمامي/ الخلفي لنظام ParkSense (استشعار التوقف).
- فتح باب السائق.
- فتح باب المؤخرة.
- تدخل نظام التحكم في الاستقرار الإلكتروني/ نظام الفرامل المانعة للانغلاق.
- السيارة في نطاق 4WD Low (الدفع الرباعي المنخفض)
- قفل محور دوران نشط.
- المقطورة متصلة.
- التحكم في توجيه المقطورة للخلف (TRSC) نشط.
- تم توصيل جرافة الثلج.

- قد لا يعمل النظام في جميع الظروف (على سبيل المثال، الظروف البيئية مثل الأمطار الغزيرة أو الثلج، الخ، أو إذا كنت تبحث عن مساحة توقف ذات أسطح تمتص موجات المستشعر فوق الصوتية).

- يجب أن تسير السيارات الجديدة المباعة من قبل الوكيل على الأقل مسافة 30 ميلاً (48 كم) قبل أن تتم معايرة نظام مساعد التوقف النشط ParkSense بالكامل من أجل أن يؤدي وظيفته بدقة. ويرجع هذا إلى نظام المعايرة الديناميكية للسيارة من أجل تحسين أداء الميزة.

- يجب أن يتحكم السائق في فرامل السيارة. ميزة فرامل الطوارئ الأوتوماتيكية ليست مصممة لتحل محل السائق في أثناء المناورات في وضع REVERSE (الرجوع للخلف).

تمكين نظام مساعد التوقف النشط PARKSENSE وتعطيله

يمكن تمكين نظام مساعد التوقف النشط ParkSense وتعطيله باستخدام مفتاح مساعد التوقف النشط ParkSense، الموجود على لوحة المفاتيح أسفل شاشة نظام Uconnect.



ملاحظة:

- إذا كانت سيارتك مزودة بشاشة عرض نظام Uconnect بحجم 12 بوصة، فإن مفتاح مساعد التوقف النشط لنظام ParkSense (استشعار التوقف) يكون فوق شاشة العرض.

نظام مساعد التوقف النشط PARKSENSE — إذا كانت السيارة مزودة بذلك

تم تصميم نظام مساعد التوقف النشط ParkSense لمساعدة السائق أثناء مناورات التوقف الموازية وعمودية من خلال تحديد مساحة توقف صحيحة وتوفير إرشادات صوتية/مرئية عن طريق شاشة عرض مجموعة أجهزة القياس والتحكم في عجلة القيادة. نظام مساعد التوقف النشط ParkSense معرّف كنظام "شبه أوتوماتيكي" حيث إن السائق يحافظ على التحكم في دواصة الوقود ومحدد التروس والفرامل. بناءً على تحديد السائق لمناورة التوقف، يتمكن نظام مساعد التوقف النشط ParkSense من المناورة بالسيارة في مساحة توقف متوازية أو عمودية على كلا الجانبين (أي، جانب السائق أو جانب الراكب).

ملاحظة:

- يعتبر السائق دائماً هو المسؤول عن التحكم في السيارة والمسؤول عن أي أشياء محيطة ويجب عليه التدخل حسب الحاجة.
- حيث إن النظام يوفر المساعدة للسائق ولا يعد بديلاً عن السائق.
- أثناء المناورة شبه الأوتوماتيكية، إذا لمس السائق عجلة القيادة بعد إعطائه إرشادات برفع يده عنها، فسيتم إلغاء النظام ويُطلب من السائق إكمال المناورة.

تحذير!

- يُنصح بشدة قبل استخدام نظام مساعد التوقف ParkSense بفصل مجموعة تركيب الكرة وكرة قضيب الربط من السيارة في حال عدم استخدام السيارة للسحب. وقد ينجم عن عدم القيام بذلك التعرض للإصابة أو تلف بالسيارات أو تحطم العوائق لأن كرة قضيب الربط ستكون أقرب للعائق من الواجهة الخلفية/المصد عند إصدار السيارة لنغمة مستمرة. ويمكن للمستشعرات أيضاً اكتشاف مجموعة تركيب كرة السحب وكرة قضيب الربط، اعتماداً على حجمها وشكلها، بما يعطي إشارة غير صحيحة عن وجود عائق خلف السيارة، وقد يتسبب في حدوث فرملة خاطئة.

تنبيه!

- يعتبر نظام ParkSense بمثابة أداة مساعدة في إيقاف السيارة، وليس بإمكانه التعرف على كل عائق، بما ذلك في العوائق الصغيرة. قد يتم اكتشاف حواف رصيف التوقف أو لا يتم اكتشافها على الإطلاق. لا يتم اكتشاف العوائق الموجودة بأعلى أو أسفل المستشعرات عند التصاقها بالمستشعرات.
- يجب قيادة السيارة ببطء عند استخدام نظام ParkSense لئلا يمكنك إيقاف السيارة وقت اكتشاف العائق. يوصى بأن ينظر السائق خلفه عند استخدام نظام ParkSense.

رسالة "Parksense Unavailable Service Required" (نظام Parksense غير متوفر، يلزم إجراء الصيانة) في شاشة عرض مجموعة أجهزة القياس.

- ينبغي تعطيل نظام ParkSense عندما يكون باب المؤخرة في الوضع المنخفض أو المفتوح. وقد يعطي باب المؤخرة المنخفض إشارة غير صحيحة عن وجود عائق خلف السيارة وقد يتسبب أيضًا في حدوث فرملة خاطئة.
- سيتم تعطيل نظام ParkSense (استشعار التوقف الخلفي) أوتوماتيكيًا عندما يكتشف النظام توصيل مقطورة مزودة بفرامل مقطورة بوحدة فرامل المقطورة المدمجة.
- سيتم تعطيل نظام ParkSense (استشعار التوقف الأمامي) أوتوماتيكيًا في حال توصيل جرافة تلج بالسيارة.

تحذير!

- يجب أن يتوخ سائقو السيارات الحرص عند الرجوع الخلف حتى عند استخدام نظام مساعد التوقف ParkSense. قم دائمًا بفحص منطقة خلف السيارة بحرص، وانظر خلفك وتأكد من عدم وجود مشاة أو سيارات أخرى أو عوائق ومناطق غير مرئية قبل الرجوع للخلف. تتحمل أنت مسؤولية القيادة ويجب عليك الاستمرار في الانتباه إلى ما حولك. قد يؤدي الفشل في القيام بذلك إلى وقوع إصابات شخصية خطيرة أو الوفاة.

(تابع)

علاوة على ذلك، بمجرد إيقاف تشغيل نظام استشعار التوقف ParkSense الأمامي أو الخلفي، سوف يظل قيد الإيقاف حتى يتم تشغيله مرة أخرى حتى إذا قمت بتدوير مفتاح التشغيل.

- عند تحريك محدد التروس إلى وضع REVERSE (الرجوع للخلف) وإيقاف تشغيل استشعار التوقف ParkSense الأمامي أو الخلفي، فسوف تعرض شاشة عرض مجموعة أجهزة القياس رسمًا للسيارة مع OFF (إيقاف التشغيل) في الجانب المرتبط. وستظل صور هذه السيارة معروضة طالما كانت السيارة في وضع REVERSE (الرجوع للخلف).
- عند تشغيل نظام ParkSense، سينخفض مستوى صوت الراديو عند إصداره لنغمة صوتية.
- نظف مستشعرات نظام ParkSense بانتظام، واحرص على عدم خدشها أو إتلافها. احرص على عدم تغطية المستشعرات بالتلوج أو الرمال أو الطين أو الشحم أو القاذورات. وعدم الحرص على ذلك قد ينجم عنه عدم عمل النظام بشكل سليم. قد لا يستشعر نظام ParkSense وجود عائق أمام الواجهة/المصد أو خلفه، أو قد يعطي إشارة خاطئة عن وجود عائق أمام الواجهة/المصد أو خلفه.
- استخدم مفتاح ParkSense لإيقاف تشغيل نظام ParkSense في حالة وضع أشياء مثل حاملات الدراجات وقضبان ربط المقطورات وما شابه بالقرب من الواجهة الخلفية/المصد. وفي حالة عدم مراعاة ذلك، قد يفترض النظام وجود مشكلة بالمستشعر لقرب العائق، وهو الأمر الذي يتسبب في عرض

ملاحظة:

قد يتسبب ماء غسل السيارة أو الوحل على الطريق في الطقس المتجمد في تعطيل المستشعرات.

إذا ظهرت الرسالة "Parksense Unavailable Service Required" (نظام مساعد التوقف PARKSENSE غير متاح، يلزم إجراء الصيانة) في شاشة عرض مجموعة أجهزة القياس، فراجع الوكيل المعتمد.

تنظيف نظام PARKSENSE

قم بتنظيف مستشعرات نظام ParkSense بالماء وصابون غسيل السيارات مع قطعة قماش ناعمة. لا تستخدم أقمشة خشنة أو صلبة. لا تخدش المستشعرات أو تقبها.

احتياجات استخدام نظام PARKSENSE

ملاحظة:

- تأكد من خلو الواجهات/المصدات في الأمام والخلف من الجليد والتلج والوحل والأوساخ والرواسب لكي يعمل نظام ParkSense (استشعار التوقف) على نحو صحيح.
- قد تؤثر المطارق التي تعمل بضغط الهواء والشاحنات الكبيرة ومصادر الذبذبات الأخرى على أداء نظام ParkSense.
- عند إيقاف تشغيل نظام مساعدة التوقف ParkSense، ستعرض شاشة عرض مجموعة أجهزة القياس رسم خاص بالسيارة لحالة تشغيل/إيقاف تشغيل نظام استشعار التوقف ParkSense الأمامي أو الخلفي.

تنشيط كاميرا ParkSense - إذا كانت السيارة مزودة بها

إذا اكتشف نظام ParkSense وجود عائق، فسيتم عرض صورة كاميرا في الراديو. تستمر الكاميرا في العرض ما دام نظام ParkSense مستمرًا في اكتشاف أحد الأشياء. يمكن تشغيل هذا الخيار أو إيقاف تشغيله باستخدام نظام Uconnect ➔ صفحة ٢٢٩.

التنبيهات الصوتية لمساعد التوقف الأمامي

سيقوم نظام ParkSense بإيقاف التنبيه الصوتي لمساعد التوقف الأمامي (صافرة) بعد ثلاث ثوان تقريبًا عند اكتشاف عائق، والسيارة ثابتة، أثناء الضغط على دواسة الفرامل.

إعدادات مستوى صوت الإشارة الصوتية القابلة للضبط تتم برمجة إعدادات مستوى صوت الصافرة الأمامية والخلفية من خلال نظام Uconnect ➔ صفحة ٢٢٩.

تمكين وتعطيل نظام PARKSENSE الأمامي و/أو الخلفي

يمكن تمكين نظام ParkSense الأمامي وتعطيله باستخدام مفتاح نظام ParkSense الأمامي.



يمكن تمكين نظام ParkSense الخلفي وتعطيله باستخدام مفتاح نظام ParkSense الخلفي.

عند الضغط على مفتاح ParkSense (استشعار التوقف) الأمامي أو الخلفي لتعطيل النظام، ستعرض شاشة عرض مجموعة أجهزة القياس ➔ صفحة ١٠٦ رسمًا خاصًا بالسيارة لحالة تشغيل/ إيقاف تشغيل نظام ParkSense (استشعار التوقف) الأمامي أو الخلفي.

عند تحريك محدد التروس إلى وضع REVERSE (الرجوع للخلف) وتعطيل النظام الأمامي أو الخلفي، فسوف تعرض شاشة عرض مجموعة أجهزة القياس رسمًا للسيارة مع كلمة "OFF" (إيقاف التشغيل) على الجانب المناسب. وستظل صور هذه السيارة معروضة طالما كانت السيارة في وضع REVERSE (الرجوع للخلف).

ملاحظة:

ستقاطع التنبيهات التي على شكل أقواس الصادرة عند تمكين نظام ParkSense (استشعار التوقف) الرسائل المعروضة لمدة خمس ثوان، وستعرض شاشة عرض مجموعة أجهزة القياس رسمًا للسيارة مع الأقواس المقابلة ورسالة "OFF" (إيقاف التشغيل).

سوف يضيء مصباح LED لمفتاح نظام ParkSense الأمامي أو الخلفي عند تعطيل نظام ParkSense الأمامي أو الخلفي أو عندما يكون بحاجة إلى الصيانة. سوف ينطفئ مصباح LED لمفتاح نظام ParkSense الأمامي أو الخلفي عند تمكين النظام الأمامي أو الخلفي. إذا تم الضغط على مفتاح ParkSense الأمامي أو الخلفي، وكان النظام بحاجة إلى الصيانة، فسوف يومض مصباح LED الخاص بمفتاح ParkSense الأمامي أو الخلفي لحظيًا، ثم يضيء مصباح LED.

صيانة نظام مساعد التوقف PARKSENSE

أثناء بدء تشغيل السيارة، عندما يكتشف نظام مساعد التوقف ParkSense وجود حالة عطل، سوف تصدر مجموعة أجهزة القياس إشارة صوتية واحدة، مرة واحدة لكل دورة تشغيل، وسوف يعرض

الرسالة "PARKSENSE UNAVAILABLE"

الرسالة "WIPE REAR SENSORS" (نظام مساعد التوقف

PARKSENSE غير متوفر، نظف المستشعرات الخلفية) أو "PARKSENSE UNAVAILABLE WIPE FRONT SENSORS" (نظام مساعد التوقف PARKSENSE غير متوفر، نظف المستشعرات الأمامية) أو "PARKSENSE UNAVAILABLE SERVICE REQUIRED" (نظام مساعد التوقف PARKSENSE غير متوفر، يلزم إجراء الصيانة) لمدة خمس ثوان. عند تحريك محدد التروس إلى وضع REVERSE (الرجوع للخلف) واكتشاف النظام لحالة عطل، ستعرض شاشة عرض مجموعة أجهزة القياس الرسالة "Wipe Off" (يجب المسح) على النظام المحجوب المنطبق أثناء وجود السيارة في وضع REVERSE (الرجوع للخلف). سوف يستمر النظام في تقديم تنبيهات على هيئة أقواس للجانب الذي يعمل بشكل صحيح.

إذا ظهرت الرسالة "PARKSENSE UNAVAILABLE WIPE REAR SENSORS" (نظام PARKSENSE غير متوفر، نظف المستشعرات الخلفية) أو "PARKSENSE UNAVAILABLE WIPE FRONT SENSORS" (نظام PARKSENSE غير متوفر، نظف المستشعرات الأمامية) في شاشة عرض مجموعة أجهزة القياس، فتأكد من نظافة السطح الخارجي والجانب السفلي من المصد/الواجهة الخلفية و/أو المصد/الواجهة الأمامية وخواهما من الجليد أو الثلج أو الوحل أو الأوساخ أو أي عائق آخر، ثم أدر مفتاح التشغيل. إذا استمرت الرسالة في الظهور، فراجع الوكيل المعتمد.

تصبح السيارة قريبة من العائق عندما تعرض شاشة العرض قوسًا واحدًا وامضًا وتصدر نغمة متواصلة. يعرض الجدول التالي عملية تنبيه التحذير عند اكتشاف النظام لوجود عائق:

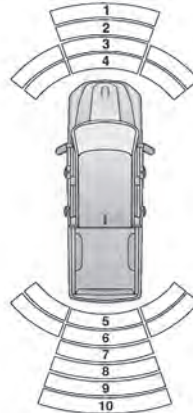
إنذارات التحذير الخلفية							
المسافة الخلفية (سم/بوصة)	أكبر من 200 سم (79 بوصة)	200-150 سم (79-59 بوصة)	150-120 سم (59-47 بوصة)	120-100 سم (47-39 بوصة)	100-65 سم (39-25 بوصة)	65-30 سم (25-12 بوصة)	أقل من 30 سم (12 بوصة)
التنبيه الصوتي (إشارة صوتية)	None (لا شيء)	نغمة واحدة لمدة نصف ثانية	بطيء	بطيء	سريع	سريع	مستمرة
الأقواس - اليسرى	None (لا شيء)	None (لا شيء)	None (لا شيء)	None (لا شيء)	None (لا شيء)	الوميض السادس	الخامس الثابت
الأقواس - المنتصف	None (لا شيء)	العاشر الثابت	التاسع الثابت	الثامن الثابت	الوميض السابع	الوميض السادس	الخامس الثابت
الأقواس - اليمنى	None (لا شيء)	None (لا شيء)	None (لا شيء)	None (لا شيء)	None (لا شيء)	الوميض السادس	الخامس الثابت
يتم خفض مستوى صوت الراديو	No (لا)	نعم	نعم	نعم	نعم	نعم	نعم

4

إنذارات التحذير الأمامية					
المسافة الأمامية (سم/بوصات)	أكبر من 120 سم (47 بوصة)	120-100 سم (47-39 بوصة)	100-65 سم (39-25 بوصة)	65-30 سم (25-12 بوصة)	أقل من 30 سم (12 بوصة)
التنبيه الصوتي (إشارة صوتية)	None (لا شيء)	None (لا شيء)	None (لا شيء)	سريع	مستمرة
الأقواس - اليسرى	None (لا شيء)	None (لا شيء)	None (لا شيء)	الوميض الثالث	الرابع الثابت
الأقواس - المنتصف	None (لا شيء)	الأول الثابت	الوميض الثاني	الوميض الثالث	الرابع الثابت
الأقواس - اليمنى	None (لا شيء)	None (لا شيء)	None (لا شيء)	الوميض الثالث	الرابع الثابت
يتم خفض مستوى صوت الراديو	No (لا)	No (لا)	No (لا)	نعم	نعم

ملاحظة:

يعمل نظام ParkSense على خفض مستوى صوت الراديو، إذا كان قيد التشغيل، عند إصدار النظام لنغمة صوتية.



A0629000255US

أقواس نظام ParkSense (استشعار التوقف) الأمامية/ الخلفية

- | | |
|---------------------------|-----------------------------------------|
| 1 — لا توجد نغمة/قوس ثابت | 6 — نغمة سريعة/قوس وامض |
| 2 — لا توجد نغمة/قوس وامض | 7 — نغمة سريعة/قوس وامض |
| 3 — نغمة سريعة/قوس وامض | 8 — نغمة بطيئة/قوس ثابت |
| 4 — نغمة مستمرة/ قوس ثابت | 9 — نغمة بطيئة/قوس ثابت |
| 5 — نغمة مستمرة/ قوس ثابت | 10 — نغمة صوتية لمدة نصف ثانية/قوس ثابت |

شاشة عرض نظام PARKSENSE

سيتم تشغيل شاشة عرض التحذيرات لتوضيح حالة النظام عندما تكون السيارة في وضع REVERSE (الرجوع إلى الخلف)، أو وضع DRIVE (القيادة)، وعند اكتشاف العوائق.

سيشير النظام إلى عائق تم اكتشافه من خلال عرض قوس مفرد في المنطقة اليسرى، أو اليمنى، أو الوسطى بناءً على مسافة العائق وموقعه بالنسبة إلى السيارة.

في حالة اكتشاف عائق في وسط المنطقة الأمامية، ستعرض الشاشة قوساً صلباً مفرداً في وسط المنطقة الأمامية من دون إشارة صوتية. عند اقتراب السيارة من العائق ستعرض الشاشة قوساً واحداً يتحرك بالقرب من السيارة وسوف تُسمع نغمة صوت سريعة وستتغير النغمة الصوتية من نغمة صوتية سريعة إلى مستمرة.

في حال اكتشاف عائق على يسار و/أو يمين المنطقة الأمامية، ستعرض الشاشة قوساً واحداً وامباً على يسار و/أو يمين المنطقة الأمامية وستصدر نغمة صوتية سريعة. عند اقتراب السيارة من العائق ستعرض الشاشة قوساً واحداً يتحرك بالقرب من السيارة وستتغير النغمة الصوتية من نغمة صوتية سريعة إلى مستمرة.

نظام ParkSense أثناء تنشيط وضع REVERSE (الرجوع للخلف). ينشط النظام مرة أخرى إذا انخفضت سرعة السيارة إلى أقل من 9 كم/ساعة (6 أميال/ساعة) تقريباً.

مستشعرات نظام PARKSENSE

تراقب المستشعرات الأربعة الخاصة بنظام ParkSense (استشعار التوقف) (سنة إذا كانت السيارة مزودة بنظام استشعار التوقف النشط)، الموجودة في الواجهة/المصد الأمامي، المنطقة الواقعة أمام السيارة في مجال رؤية المستشعرات، وتراقب المستشعرات الأربعة الخاصة بنظام ParkSense (استشعار التوقف)، الموجودة في الواجهة/المصد الخلفي، المنطقة الواقعة خلف السيارة في مجال رؤية المستشعرات. يمكن للمستشعرات الأمامية اكتشاف العوائق من مسافات تصل إلى 30 سم (12 بوصة تقريباً) وحتى 120 سم (47 بوصة) تقريباً من الواجهة/المصد في الأمام. يمكن للمستشعرات الخلفية اكتشاف العوائق من مسافات تصل إلى 30 سم (12 بوصة تقريباً) وحتى 200 سم (79 بوصة). تعتمد تلك المسافات على موقع ونوع واتجاه العقبة في الاتجاه الأمامي.

شاشة عرض تحذير نظام PARKSENSE

توجد شاشة ParkSense Warning (تحذير نظام ParkSense) داخل شاشة عرض مجموعة أجهزة القياس صفحة ١٠٦. وهي توفر تحذيرات بصرية تشير إلى المسافة بين اللوحة/المصد الخلفي و/أو اللوحة/المصد الأمامي والعائق المكتشف.

• قد تتسبب مجموعة كرة قضيب ربط المقطورة في حدوث فرملة خاطئة إذا تركت مُوصلة بعد السحب. تهدف وظيفة الفرامل الأوتوماتيكية إلى مساعدة السائق على تفادي التصادمات المحتملة مع العوائق التي يتم اكتشافها عند الرجوع للخلف باستخدام ترس REVERSE (الرجوع للخلف).

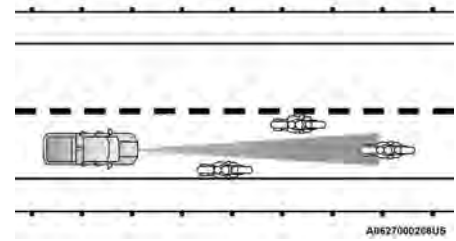
ملاحظة:

- إن النظام يوفر المساعدة للسائق ولا يعد بديلاً عن السائق.
- يجب أن يظل السائق متحكماً بالكامل في تسارع السيارة والفرامل وهو المسؤول عن تحركات السيارة. للاطلاع على احتياطات استخدام هذا النظام، ارجع إلى صفحة ١٨٧.
- سيحتفظ نظام ParkSense بأخر حالة للنظام (سواء كان ممكناً أم مُعطلاً) من آخر دورة تشغيل عند تغيير وضع التشغيل إلى وضع ON/RUN (التشغيل/الانطلاق).

يمكن أن ينشط نظام مساعد التوقف ParkSense فقط في حال كان محدد التروس في وضع REVERSE (الرجوع للخلف) أو DRIVE (القيادة). إذا تم تمكين نظام ParkSense (استشعار التوقف) في أحد هذه التروس، فسيظل النظام نشطاً حتى تزداد سرعة السيارة إلى ما يقرب من 11 كم/ ساعة (7 أميال/ الساعة) أو أكثر. سيظهر تحذير في شاشة عرض مجموعة أجهزة القياس للإشارة إلى أن سرعة السيارة أعلى من سرعة تشغيل

المركبات الصغيرة

لا يتم اكتشاف بعض المركبات الصغيرة التي تسير بالقرب من الحواف الخارجية للحارة أو تدخل إلى الحارة بالقرب من حافتها، حتى تدخل بالكامل في الحارة. ومن ثم قد لا توجد مسافة كافية بينك وبين المركبة التي أمامك.



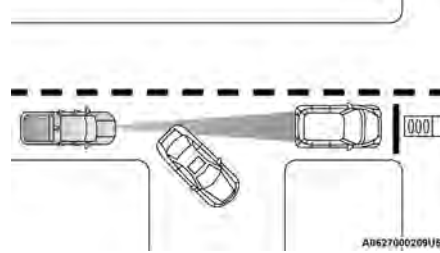
مثال المركبات الصغيرة

الأجسام والسيارات الثابتة

لا تتفاعل وحدة التحكم في السرعة الثابتة المهيأة مع الأجسام أو السيارات الثابتة. فلن تتفاعل وحدة التحكم في السرعة الثابتة المهيأة مثلاً مع مواقف تخرج فيها السيارة التي تتبعها من حارتك المروية وتتوقف السيارة التي أمامها. لأنها ستعتبر هذه السيارة المتوقفة جسمًا ثابتًا لأنها لم تكتشف منها حركة سابقًا. كن منتبهًا دائمًا ومستعدًا لاستعمال الفرامل إذا لزم الأمر.

ملاحظة:

- بإمكان السائق تعطيل وظيفة الفرامل الأوتوماتيكية عن طريق إيقاف تشغيل مساعد التوقف ParkSense بواسطة مفتاح ParkSense. كما يمكن للسائق أيضًا تجاوز الفرامل الأوتوماتيكية بتغيير الترس أو بالضغط على دواسة الوقود لأكثر من 90% من قدرتها أثناء الفرملة.
- لن تتوفر ميزة الفرامل الأوتوماتيكية إذا كانت السيارة في وضع 4WD Low (الدفع الرباعي المنخفض).
- لن تتوفر الفرامل الأوتوماتيكية في حال وجود عطل في وحدة الفرامل.
- لن تتوفر الفرامل الأوتوماتيكية في حالة اكتشاف عطل في نظام مساعد التوقف الخاص بنظام ParkSense (استشعار التوقف) أو نظام الفرامل.
- قد يتم تشغيل وظيفة الفرامل الأوتوماتيكية فقط إذا كان تباطؤ السيارة غير كافٍ لتجنب التصادم بعائق تم اكتشافه.
- قد لا يتم تشغيل وظيفة الفرامل الأوتوماتيكية بسرعة كافية بالنسبة للعوائق التي تتحرك في اتجاه مؤخرة السيارة من الجانبين الأيسر و/أو الأيمن.
- يمكن تمكين/تعطيل وظيفة الفرامل الأوتوماتيكية من قسم الميزات القابلة للبرمجة بواسطة العميل من نظام Uconnect.
- سوف يحتفظ نظام ParkSense بآخر حالة تهيئة معروفة لوظيفة الفرامل الأوتوماتيكية خلال دورات التشغيل.



مثال على الجسم الثابت والسيارة الثابتة

نظام مساعد التوقف

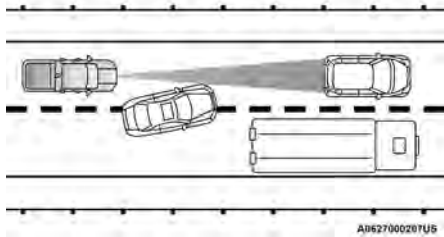
PARKSENSE الأمامي/الخلفي

- إذا كانت السيارة مزودة بذلك

يعمل نظام مساعد التوقف ParkSense على عرض إشارات مرئية وصوتية للمسافة الواقعة بين الواجهة/المصد في الأمام و/أو الخلف وبين عائق تم اكتشافه عند الرجوع للخلف أو السير للأمام (أثناء مناورة التوقف مثلاً). إذا كانت سيارتك مزودة بوظيفة الفرامل الأوتوماتيكية، فقد يتم تشغيل فرامل السيارة أوتوماتيكيًا وتحريرها عند وجود السيارة في وضع REVERSE (الرجوع للخلف) إذا اكتشف النظام احتمالية حدوث تصادم مع أحد العوائق.

تغيير الحارة

قد لا تكتشف وحدة التحكم في السرعة الثابتة المهيمنة (ACC) سيارة أمامك حتى تكون بالكامل في الحارة التي تسير فيها تمامًا. في مثال تغيير حارة السير التالي، لم تكتشف وحدة التحكم في السرعة الثابتة المهيمنة (ACC) السيارة التي تقوم بتغيير حاراتها حتى الآن، وربما لن تقوم بذلك حتى يصبح من المتأخر جدًا أن يقوم نظام وحدة التحكم في السرعة الثابتة المهيمنة (ACC) باتخاذ إجراء حيال ذلك. قد لا تقوم وحدة التحكم في السرعة الثابتة المهيمنة (ACC) باكتشاف سيارة أمامك حتى تصبح في الحارة تمامًا. ومن ثم قد لا توجد مسافة كافية بين سيارتك وبين السيارة التي تقوم بتغيير الحارة أمامك. كن متنبهاً دائماً ومستعداً لاستعمال الفرامل إذا لزم الأمر.



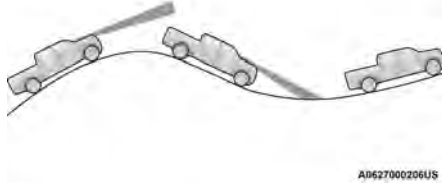
مثال تغيير الحارة

ملاحظة:

في الانعطافات الضيقة، قد يكون أداء وحدة التحكم في السرعة الثابتة المهيمنة (ACC) محدودًا.

استخدام وحدة التحكم في السرعة الثابتة المهيمنة على المرتفعات

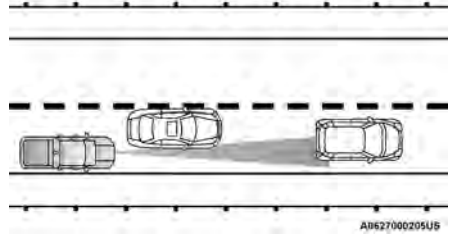
قد يكون أداء وحدة التحكم في السرعة الثابتة المهيمنة (ACC) محدودًا عند القيادة على التلال. قد لا تكتشف وحدة التحكم في السرعة الثابتة المهيمنة (ACC) سيارة في حارتك، بناءً على سرعة سيارتك وطريق السيارة وظروف حركة المرور ودرجة انحدار المرتفع.



مثال على وحدة التحكم في السرعة الثابتة المهيمنة (ACC) على المرتفعات

القيادة الجانبية

قد لا تكتشف وحدة التحكم في السرعة الثابتة المهيمنة (ACC) سيارة في نفس حارة سيارتك تسير في جانب بعيد عن مسار سيارتك المباشر أو سيارة قادمة من حارة جانبية. ومن ثم قد لا توجد مسافة كافية بينك وبين المركبة التي أمامك. قد تدخل السيارة التي تسير في الجانب إلى مسار سيارتك المباشر أو تخرج منه، مما قد يتسبب في قيام سيارتك بالفرملة أو التسريع بشكل غير متوقع.



مثال على ظروف القيادة الجانبية

الانعطافات والتواءات

عند القيادة على منحني مع تشبيق وحدة التحكم في السرعة الثابتة المهيمنة (ACC)، يمكن أن يزيد النظام من سرعة السيارة أو يخفضها للحفاظ على الاستقرار، مع عدم اكتشاف سيارة أمامك. وبمجرد خروج السيارة من المنحنى يستأنف النظام السرعة المعينة الأصلية. ويعد هذا جزءًا من وظيفة نظام وحدة التحكم في السرعة الثابتة المهيمنة (ACC).

تحذير "CLEAN FRONT WINDSHIELD" (نظف الزجاج الأمامي)

سوف يظهر تحذير "ACC/FCW Limited Functionality Clean Front Windshield" (وظائف وحدة التحكم في السرعة الثابتة المهيأة/تحذير التصادم الأمامي مقيدة، نظف الزجاج الأمامي) وستصدر إشارة صوتية لتنشيط إلى وجود حالة تقييد لأداء النظام بصورة مؤقتة. وغالبًا ما يحدث ذلك عندما تكون الرؤية سيئة، كما هو الحال عند سقوط الجليد أو الأمطار الغزيرة والضباب. قد لا يتوفر نظام وحدة التحكم في السرعة الثابتة المهيأة (ACC) بشكل مؤقت أيضًا نتيجة لوجود عوائق مثل الوحل أو الأوساخ أو الثلج على الزجاج الأمامي، والقيادة في أشعة الشمس مباشرة ووجود الضباب على الجزء الداخلي من الزجاج. في هذه الحالات، ستعرض شاشة عرض مجموعة أجهزة القياس

الرسالة "ACC/FCW Limited Functionality Clean Front Windshield" (تشغيل محدود لوحدة التحكم في السرعة الثابتة المهيأة/تحذير بشأن التصادم الأمامي، نظف الزجاج الأمامي) وسيخفض أداء النظام.

يمكن عرض هذه الرسالة أحيانًا أثناء القيادة في ظروف الطقس القاسية. ويستعيد نظام وحدة التحكم في السرعة الثابتة المهيأة (ACC)/تحذير التصادم الأمامي (FCW) وضعه الطبيعي بعد تجاوز السيارة لهذه المناطق. قد يظهر هذا التحذير مؤقتًا، في حالات نادرة، عندما لا تتعقب الكاميرا أية سيارات أو أجسام في مسارها.

إذا لم تكن ظروف الطريق من العوامل المؤثرة على الوحدة، يجب على السائق فحص الزجاج الأمامي والكاميرا الموجودة على الجانب الخلفي من مرآة الرؤية الخلفية الداخلية. قد يحتاج إلى التنظيف أو إزالة العوائق.

عندما يزول الظرف الذي أوجد أداء وظيفي محدود للنظام، سوف يستعيد النظام كامل أدائه الوظيفي.

ملاحظة:

في حالة تكرار عرض الرسالة "ACC/FCW Limited Functionality Clean Front Windshield" (وحدة التحكم في السرعة الثابتة المهيأة/تحذير التصادم الأمامي ذو وظيفة مقيدة، نظف الزجاج الأمامي) (على سبيل المثال، أكثر من مرة في كل رحلة) دون وجود أي جليد أو أمطار أو طين أو أي عوائق أخرى، اطلب فحص الزجاج الأمامي والكاميرا الموجهة للأمام لدى وكيل معتمد.

تحذير صيانة وحدة التحكم في السرعة الثابتة المهيأة (ACC)/تحذير التصادم الأمامي (FCW)

إذا توقف النظام عن العمل، وعرضت شاشة عرض مجموعة أجهزة القياس "ACC/FCW Unavailable Service Required" (وحدة التحكم في السرعة الثابتة المهيأة/تحذير التصادم الأمامي غير متوفر، يلزم إجراء الصيانة) أو "ACC/FCW Unavailable Service Required" (السرعة الثابتة/تحذير التصادم الأمامي غير متوفر، يلزم إجراء الصيانة)، فقد يكون هناك عطل داخلي بالنظام أو عطل مؤقت يقيد وظيفة وحدة التحكم في السرعة الثابتة المهيأة (ACC). ورغم إمكانية قيادة السيارة في الظروف العادية، فلن تتوفر وحدة التحكم في السرعة الثابتة المهيأة بشكل مؤقت. إذا حدث ذلك، فحاول تنشيط وحدة التحكم في السرعة الثابتة المهيأة (ACC) لاحقًا في دورة تشغيل جديدة. إذا استمرت المشكلة، فراجع الوكيل المعتمد.

احتياطات عند القيادة مع تشغيل وحدة التحكم في السرعة الثابتة المهيأة

ملاحظة:

- قد تتسبب المعدات الإضافية مثل جرافات الثلج، وأطقم الرفع، وقضبان الشبكة/الفرشاة في إعاقة أداء الوحدة. تأكد من عدم إعاقة مجال الرؤية للكاميرا/الرادار.
- قد تحدث تعديلات الارتفاع من أداء الوحدة ووظيفتها.
- لا تضع ملصقات أو جوازات المرور السهل فوق مجال رؤية الكاميرا/الرادار.
- لا يوصى بإجراء أي تعديلات على السيارة من شأنها أن تتسبب في إعاقة مجال رؤية الكاميرا/الرادار.
- في بعض ظروف القيادة، قد يحدث بوحدة التحكم في السرعة الثابتة المهيأة مشاكل في الاكتشاف. وفي هذه الحالات، قد تقوم وحدة التحكم في السرعة الثابتة المهيأة باستعمال الفرامل في وقت متأخر أو بشكل غير متوقع. يجب أن يظل السائق متنبهاً وقد يحتاج إلى التدخل. فيما يلي أمثلة لهذه الأنواع من المواقف:

سحب مقطورة

يوصى باستخدام وحدة التحكم في السرعة الثابتة المهيأة (ACC) مع وحدة التحكم في فرامل المقطورة المدمجة. لن تقوم وحدات التحكم في فرامل المقطورة التجارية بتنشيط فرامل المقطورة عندما تقوم وحدة التحكم في السرعة الثابتة المهيأة (ACC) بالفرملة.

- لا تقم بإزالة أي مسامير من المستشعر. فقد يؤدي القيام بذلك إلى حدوث عطل أو خلل في نظام وحدة التحكم في السرعة الثابتة المهيمنة ويطلب إعادة معاذاة جهاز الاستشعار.
- لا تقم بتركيب أو تثبيت أي ملحقات بالقرب من المستشعر، بما في ذلك المواد الشفافة. فقد يؤدي القيام بذلك إلى خلل أو عطل نظام وحدة التحكم في السرعة الثابتة المهيمنة.
- عندما يزول الطرف التي تسبب في تعطيل النظام، سيعود النظام إلى حالة "إيقاف تشغيل وحدة التحكم في السرعة الثابتة المهيمنة" وسيستأنف العمل عن طريق إعادة تشغيل الوحدة.

ملاحظة:

- في حالة ظهور رسالة "ACC/FCW Unavailable Wipe Front Radar Sensor" (وحدة التحكم في السرعة الثابتة المهيمنة (ACC)/تحذير التصادم الأمامي غير متوفر، نظف مستشعر الرادار الأمامي بشكل متكرر (أكثر من مرة خلال كل رحلة مثلاً) دون وجود أي ثلج أو مطر أو وحل أو أي عائق آخر، قم بإعادة ضبط معاذاة مستشعر الرادار لدى الوكيل المعتمد.
- لا يُنصح بتركيب جرافة ثلج أو واق في مقدمة السيارة أو شبكة بديلة أو تعديل الشبكة. حيث يؤدي ذلك إلى إعاقة المستشعر ومنع تشغيل وحدة التحكم في السرعة الثابتة المهيمنة/تحذير التصادم الأمامي (ACC/FCW).

يمكن عرض الرسالة "ACC/ FCW Unavailable Wipe Front Radar Sensor" (وحدة التحكم في السرعة الثابتة المهيمنة (ACC)/تحذير التصادم الأمامي (FCW) غير متاح، نظف مستشعر الرادار الأمامي) أحياناً في أثناء القيادة في المناطق عالية الانعكاس (مثل، الثلج والجليد أو الأنفاق ذات القرميد العاكس). ويستعيد نظام وحدة التحكم في السرعة الثابتة المهيمنة (ACC) وضعه الطبيعي بعد تجاوز السيارة لهذه المناطق. قد يظهر هذا التحذير مؤقتاً، في حالات نادرة، عندما لا يتعقب الرادار أي سيارات أو كائنات في مساره.

ملاحظة:

- إذا كان التحذير "ACC / FCW Unavailable Wipe Front Radar Sensor" (وحدة التحكم في السرعة الثابتة المهيمنة/تحذير التصادم الأمامي غير متوفر، نظف مستشعر الرادار الأمامي) نشطاً، فهذا يعني أن التحكم بالسرعة الثابتة لا يزال متاحاً.
- إذا لم تكن ظروف الطريق من العوامل المؤثرة على الوحدة، فيجب على السائق اختبار جهاز الاستشعار. فقد يحتاج إلى التنظيف أو إزالة العوائق. يقع المستشعر في الكاميرا الموجودة في منتصف الزجاج الأمامي في الجانب الأمامي من مرآة الرؤية الخلفية.
- للحفاظ على التشغيل الصحيح لنظام وحدة التحكم في السرعة الثابتة المهيمنة (ACC)، من المهم ملاحظة بنود الصيانة الآتية:
- احتفظ دائماً بالمستشعر نظيفاً. امسح الزجاج الأمامي بحذر.

تحذير!

عندما تستأنف وحدة التحكم في السرعة الثابتة المهيمنة (ACC) العمل، يتوجب على السائق التأكد من عدم وجود مشاة أو سيارات أو أجسام في مسار السيارة. قد يتسبب عدم اتباعك لهذه التحذيرات في حدوث تصادم والوفاة أو حدوث إصابات خطيرة.

تحذيرات شاشة العرض والصيانة

تحذير "تنظيف مستشعر الرادار الأمامي في مقدمة السيارة" سيظهر تحذير "ACC/FCW Unavailable Wipe Front Radar Sensor" (وحدة التحكم في السرعة الثابتة المهيمنة/تحذير التصادم الأمامي غير متوفر، نظف مستشعر الرادار الأمامي)، وستصدر إشارة صوتية عند وجود حالات تقيد أداء النظام بصورة مؤقتة. وغالباً ما يحدث ذلك عندما تكون الرؤية سيئة، كما هو الحال عند سقوط الجليد أو الأمطار الغزيرة. قد لا يتوفر أيضاً نظام وحدة التحكم في السرعة الثابتة المهيمنة بشكل مؤقت نتيجة لوجود عوائق مثل الطين أو الأوساخ أو الثلج. في هذه الحالات، سوف يظهر في شاشة عرض مجموعة أجهزة القياس الرسالة "ACC / FCW Unavailable Wipe Front Radar Sensor" (وحدة التحكم في السرعة الثابتة المهيمنة/تحذير التصادم الأمامي غير متوفر، نظف مستشعر الرادار الأمامي) وسوف يتم إلغاء تنشيط النظام.

لزيادة إعداد المسافة، اضغط على زر Distance Increase (زيادة المسافة) وحرره. في كل مرة يتم فيها الضغط على الزر، يزيد إعداد المسافة بمقدار شريط واحد (الأطول).

لخفض إعداد المسافة، اضغط على زر Distance Decrease (خفض المسافة) وحرره. في كل مرة يتم فيها الضغط على الزر، ينقص إعداد المسافة بمقدار شريط واحد (الأقصر).

إذا لم تكن هناك سيارة أمامك، فستحفظ السيارة بالسرعة المضبوطة. في حالة اكتشاف سيارة تسير بسرعة أبداً في الحارة نفسها، تعرض مجموعة أجهزة القياس "ACC Set With Target Indicator Light" ضبط وحدة التحكم في السرعة الثابتة المهيمنة (ACC) مع ضوء مؤشر اكتشاف هدف، ويقوم النظام بضبط سرعة السيارة أوتوماتيكياً للحفاظ باعداد المسافة، بغض النظر عن السرعة المضبوطة.

ستحفظ السيارة حينئذٍ بالمسافة المضبوطة حتى:

- تسرع السيارة التي أمامك إلى سرعة أعلى من السرعة المضبوطة.
- تخرج السيارة التي أمامك من حارتك أو تخرج من نطاق رؤية جهاز الاستشعار.
- يتغير إعداد المسافة.
- يتم إيقاف النظام.

تعتبر أقصى فرملة تستعملها وحدة التحكم في السرعة الثابتة المهيمنة محدودة ولكن السائق يمكنه دائماً استعمال الفرامل يدوياً، إذا لزم الأمر.

ملاحظة:

تضئ أضواء الفرامل في أي وقت تستعمل فيه وحدة التحكم في السرعة الثابتة المهيمنة الفرامل.

يوجد تحذير من الاقتراب ينبه السائق إذا اكتشفت وحدة التحكم في السرعة الثابتة المهيمنة أن أقصى مستوى للفرملة الخاصة بها غير كافٍ للحفاظ بالمسافة المضبوطة. إذا حدث ذلك، فسيومض تنبيه مرئي "BRAKE!" (الفرامل) في شاشة عرض مجموعة أجهزة القياس وستصدر إشارة صوتية مع استمرار وحدة التحكم في السرعة الثابتة المهيمنة (ACC) في استخدام أقصى فرملة لديها.

ملاحظة:

يُعد ظهور شاشة "BRAKE!" (الفرامل!) في شاشة عرض مجموعة أجهزة القياس تحذيراً للسائق ليقوم باتخاذ إجراء، وهذا لا يعني أن نظام تحذير التصادم الأمامي يستخدم الفرامل بشكل مستقل.

مساعد التجاوز

عند القيادة أثناء تشغيل نظام وحدة التحكم في السرعة الثابتة المهيمنة (ACC) واتباع سيارة، سوف يقوم النظام بتوفير تسارع إضافي للسرعة الثابتة المهيمنة للمساعدة في تجاوز السيارة الموجودة أمامك. في المواقع التي يوجد بها ازدحام مروري على الجانب الأيسر، تكون ميزة مساعد التجاوز نشطة فقط عند المرور بالجانب الأيسر. في المواقع التي يوجد بها ازدحام مروري على الجانب الأيمن، تكون ميزة مساعد التجاوز نشطة فقط عند المرور بالجانب الأيمن.

ملاحظة:

عند انتقال السيارة من موقع به ازدحام مروري على الجانب الأيسر إلى موقع به ازدحام مروري على الجانب الأيمن أو العكس، سوف يقوم نظام وحدة التحكم في السرعة الثابتة المهيمنة (ACC) تلقائياً باكتشاف اتجاه المرور.

تشغيل وحدة التحكم في السرعة الثابتة المهيمنة (ACC) عند التوقف

في حالة ما إذا أوقف نظام وحدة التحكم في السرعة الثابتة المهيمنة (ACC) السيارة أثناء تتبع سيارة في الأمام، وإذا بدأت السيارة في الأمام التحرك في خلال ثانيتين من توقف سيارتك، فسوف تستأنف سيارتك الحركة دون الحاجة إلى أي إجراء من جانب السائق.

إذا لم تبدأ السيارة في الأمام التحرك خلال ثانيتين من توقف سيارتك، فسيكون على السائق إما الضغط على زر RES (استئناف) أو استخدام دواسة الوقود لإعادة تشغيل وحدة التحكم في السرعة الثابتة المهيمنة (ACC) على السرعة المضبوطة الحالية.

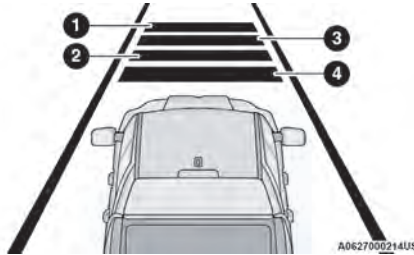
ملاحظة:

بعد إيقاف نظام وحدة التحكم في السرعة الثابتة المهيمنة (ACC) للسيارة لمدة ثلاث دقائق متتالية تقريباً، سيتم تنشيط فرامل التوقف، وسيتم إلغاء نظام وحدة التحكم في السرعة الثابتة المهيمنة (ACC).

بينما تحافظ وحدة التحكم في السرعة الثابتة المهيمنة (ACC) على إيقاف السيارة، سيتم تنشيط فرامل التوقف وسيُلغى نظام وحدة التحكم في السرعة الثابتة المهيمنة (ACC) في حال عدم ربط حزام أمان السائق أو فتح باب السائق.

ضبط المسافة التالية في وحدة التحكم في السرعة الثابتة المهيأة

يمكن ضبط المسافة التالية المحددة لوحدة التحكم في السرعة الثابتة المهيأة (ACC) عن طريق تغيير إعداد المسافة بين أربعة أشرطة (الأطول) وثلاثة أشرطة (الطويلة) وشرطين (المتوسطة) وشرط واحد (القصيرة). باستخدام إعداد المسافة وسرعة السيارة، تقوم وحدة التحكم في السرعة الثابتة المهيأة بحساب وضبط المسافة بين سيارتك والسيارة التي أمامها. يتم عرض إعداد المسافة في شاشة عرض مجموعة أجهزة القياس.



إعدادات المسافة

- 1 — إعداد أطول مسافة (أربعة أشرطة)
- 2 — إعداد مسافة متوسطة (شرطتان)
- 3 — إعداد مسافة طويلة (ثلاث شرائط)
- 4 — إعداد مسافة قصيرة (شرطة واحدة)

عندما تكون وحدة التحكم في السرعة الثابتة المهيأة نشطة

- عند استخدام زر SET (-) لخفض السرعة، إذا لم تقم قدرة فرملة المحرك بإبطاء السيارة بشكل كافٍ للوصول إلى السرعة المضبوطة، فسيعمل نظام الفرامل على إبطاء السيارة أوتوماتيكيًا.
- يقوم نظام وحدة التحكم في السرعة الثابتة المهيأة (ACC) بخفض سرعة السيارة حتى يتم التوقف الكامل عند اتباع السيارة في الأمام. إذا كانت سيارتك تتبّع السيارة في الأمام حتى التوقف، فسيُنعِن على السائق بعد ثانيتين إما الضغط على زر RES (استئناف) أو استخدم دواسَة الوقود لإعادة تشغيل وحدة التحكم في السرعة الثابتة المهيأة (ACC) إلى السرعة المضبوطة الحالية.
- يحتفظ نظام وحدة التحكم في السرعة الثابتة المهيأة (ACC) بالسرعة المضبوطة عند صعود التلال والهبوط منها. ولكن يحدث تغيير بسيط في السرعة عند صعود التلال غير المرتفعة كثيرًا وهذا أمر عادي. بالإضافة إلى ذلك، قد يحدث نقل إلى التروس المنخفضة أثناء صعود التلال أو الهبوط منها. وهذا أمر عادي وضروري للحفاظ بالسرعة المضبوطة. عند صعود التلال والهبوط منها، سيتم إلغاء نظام وحدة التحكم في السرعة الثابتة المهيأة (ACC) إذا تجاوزت درجة حرارة الفرامل النطاق الطبيعي (سخونة زائدة).

تغيير إعداد السرعة

لزيادة أو خفض السرعة المضبوطة

بعد ضبط السرعة، يمكنك زيادة السرعة بالضغط على زر SET (ضبط) (+)، أو خفض السرعة بالضغط على زر SET (ضبط) (-).

السرعة بنظام الوحدات بالولايات المتحدة (ميل/ساعة)

• يؤدي الضغط على زر SET (ضبط) (+) أو SET (ضبط) (-) مرة واحدة إلى ضبط السرعة بمقدار 1 ميل/الساعة. وتؤدي كل ضغطة أخرى على الزر إلى الضبط بمقدار 1 ميل/الساعة.

• إذا تم الضغط على الزر، فسيستمر ضبط السرعة المضبوطة بزيادات قدرها 5 أميال/الساعة حتى يتم تحرير الزر. تنعكس السرعة الجديدة المضبوطة في شاشة عرض مجموعة أجهزة القياس.

السرعة بنظام الوحدات المترية (كم/ساعة)

• يؤدي الضغط على زر SET (ضبط) (+) أو SET (ضبط) (-) مرة واحدة إلى ضبط السرعة بمقدار 1 كم/الساعة. وتؤدي كل ضغطة لاحقة على الزر إلى الضبط بمقدار 1 كم/الساعة.

• إذا تم الضغط على الزر، فسيستمر ضبط السرعة المضبوطة بزيادات قدرها 10 كم/الساعة حتى يتم تحرير الزر. تنعكس السرعة الجديدة المضبوطة في شاشة عرض مجموعة أجهزة القياس.

ملاحظة:

عندما تقوم بالتجاوز والضغط على زر SET (+) أو زر SET (-)، ستكون السرعة المضبوطة الجديدة هي السرعة الحالية للسيارة.

ملاحظة:

- قد يتسبب الاستمرار في وضع قدمك على دواسة الوقود في استمرار زيادة سرعة السيارة بعد السرعة المضبوطة. إذا حدث ذلك، فسيتم عرض الرسالة "ACC Driver Override" (تجاوز السائق لوحدة التحكم في السرعة الثابتة المهيمنة) في شاشة مجموعة أجهزة القياس.
- إذا استمرت في زيادة السرعة بعد السرعة المضبوطة عندما تكون وحدة التحكم في السرعة الثابتة التكييفية (ACC) ممكنة أيضاً، فلن يتحكم النظام في المسافة بين سيارتك والسيارة التي أمامك. سيتم تحديد سرعة السيارة عن طريق وضع دواسة البنزين فقط.

للإلغاء

تؤدي الظروف التالية إلى إلغاء نظام وحدة التحكم في السرعة الثابتة المهيمنة (ACC) أو نظام التحكم في السرعة الثابتة:

- استخدام دواسة الفرامل
- تم الضغط على زر CANC (إلغاء)
- تنشيط نظام الفرامل المانعة للانغلاق (ABS)
- تعشيق فرامل المقطورة يدوياً (إذا كانت السيارة مزودة بذلك)
- إخراج محدد التروس من وضع القيادة
- تنشيط نظام التحكم في الاستقرار الإلكتروني (ESC)/نظام التحكم في الجر (TCS)
- استخدام فرامل التوقف بالسيارة
- تنشيط نظام التحكم في تأرجح المقطورة (TSC)

- قيام السائق بضبط نظام التحكم في الاستقرار الإلكتروني (ESC) على وضع الإيقاف الكامل
- إذا تجاوزت درجة حرارة الفرامل النطاق الطبيعي (سخونة زائدة)
- ستؤدي الظروف التالية إلى إلغاء نظام وحدة التحكم في السرعة الثابتة المهيمنة (ACC) فقط:
- حزام مقعد السائق غير مربوط عند القيادة بسرعات منخفضة
- باب السائق مفتوح عند القيادة بسرعات منخفضة

لإيقاف التشغيل

سيتم إيقاف تشغيل النظام ومسح السرعة المضبوطة في الذاكرة إذا قمت بما يلي:

- الضغط على زر تشغيل/إيقاف تشغيل وحدة التحكم في السرعة الثابتة المهيمنة (ACC)
- الضغط على زر تشغيل/إيقاف تشغيل وضع التحكم في السرعة الثابتة
- إدارة مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل)
- تشغيل 4WD Low (الدفع الرباعي المنخفض)

للاستئناف

في حالة وجود سرعة مضبوطة في الذاكرة، اضغط على زر RES (استئناف)، ثم ارفع قدمك عن دواسة الوقود. ستعرض شاشة عرض مجموعة أجهزة القياس آخر سرعة تم ضبطها.

يمكن استخدام الاستئناف عند أي سرعة تزيد عن 19 ميلاً في الساعة (30 كم/الساعة) عند استخدام نظام التحكم في السرعة الثابتة فقط.

يمكن استئناف السرعة أثناء القيادة بأي سرعة تزيد عن 0 كم/ساعة (0 ميل/ساعة) عندما تكون وحدة التحكم في السرعة الثابتة المهيمنة (ACC) نشطة.

ملاحظة:

- إذا كانت سيارتك متوقفة تماماً لفترة تزيد عن ثانيتين، فعندئذ سيكون على السائق إما الضغط على زر RES (استئناف) أو استخدام دواسة الوقود لإعادة تشغيل وحدة التحكم في السرعة الثابتة التكييفية (ACC) على السرعة المضبوطة الحالية.
- لا يمكن استئناف وحدة التحكم في السرعة الثابتة المهيمنة (ACC) في حالة وجود سيارة ثابتة شديدة القرب أمام سيارتك.

تحذير!

يجب عدم استخدام وظيفة الاستئناف إلا إذا سمحت ظروف المرور والطريق بذلك فقط. يؤدي استئناف سرعة عالية للغاية أو منخفضة للغاية بالنسبة لحركة المرور وظروف الطريق السائدة إلى جعل السيارة تسرع أو تبطئ بصورة عنيفة للغاية مما يؤثر على التشغيل الآمن. قد يتسبب عدم اتباعك لهذه التحذيرات في حدوث تصادم والوفاة أو حدوث إصابات خطيرة.

تحذير!

في وضع التحكم في السرعة الثابتة، لن يتفاعل النظام مع السيارات في الأمام. وبالإضافة إلى ذلك، لا يتم تنشيط التحذير من الاقتراب ولن يصدر أي صوت تنبيه حتى إذا كنت قريباً جداً من السيارة التي أمامك لأنه لم يتم كشف السيارة التي أمامك ولا المسافة بينها وبين سيارتك. تأكد من المحافظة على مسافة أمان بين سيارتك والسيارة التي أمامك. تأكد دوماً أي من الوضعين تم تحديده.

تحذير!

من الخطر ترك نظام وحدة التحكم في السرعة الثابتة المهانية في وضع التشغيل عند عدم استخدامه. قد تقوم عن غير قصد بضبط النظام أو تتسبب في أن تجعله ينطلق أسرع مما تريد. من الممكن أن تفقد السيطرة على السيارة مما يعرضك للحوادث. اترك النظام في حالة إيقاف دائماً طالما لا تستخدمه.

 لضبط السرعة الثابتة المهانية المطلوبة

عندما تصل سرعة السيارة إلى السرعة المطلوبة، اضغط على زر SET (+) أو زر SET (-) ثم حرره. ستعرض شاشة عرض مجموعة أجهزة القياس السرعة المضبوطة.

ملاحظة:

يمكن استخدام نظام التحكم في السرعة الثابتة بدون تمكين وحدة التحكم في السرعة الثابتة المهانية (ACC). للتغيير بين الأوضاع المختلفة، اضغط على زر تشغيل/إيقاف تشغيل وحدة التحكم في السرعة الثابتة المهانية (ACC) والذي يعمل على إيقاف تشغيل وحدة التحكم في السرعة الثابتة المهانية (ACC) ووضع التحكم بالسرعة الثابتة. يؤدي الضغط على زر تشغيل/إيقاف تشغيل التحكم في السرعة الثابتة إلى تشغيل (التغيير إلى) وضع التحكم في السرعة الثابتة.

• عندما يكون ناقل الحركة الأوتوماتيكي في وضع PARK (التوقف) أو وضع REVERSE (الرجوع للخلف) أو وضع NEUTRAL (اللاتعشيق)

• عندما تكون سرعة السيارة أقل من أدنى نطاق للسرعة في حالة السخونة المفرطة للفرامل

• عند فتح باب السائق أثناء القيادة بسرعات منخفضة

• عند فك حزام أمان مقعد السائق أثناء القيادة بسرعات منخفضة

• في حالة وجود سيارة متوقفة بالأمام بالقرب من سيارتك

• عندما يكون وضع ESC Full Off (الإيقاف الكامل لنظام التحكم في الاستقرار الإلكتروني (ESC)) نشطاً

للتشغيل/إلغاء التشغيل

اضغط على زر تشغيل/إيقاف تشغيل وحدة التحكم في السرعة الثابتة المهانية (ACC)، ثم حرره. تعرض قائمة وحدة التحكم في السرعة الثابتة المهانية (ACC) في مجموعة أجهزة القياس رسالة "ACC Ready" (وحدة التحكم في السرعة الثابتة المهانية جاهزة).

لإيقاف تشغيل النظام، اضغط على زر تشغيل/إيقاف تشغيل وحدة التحكم في السرعة الثابتة المهانية (ACC)، ثم حرره مرة أخرى. في هذا الوقت، سيتم إيقاف تشغيل النظام وستعرض شاشة عرض مجموعة أجهزة القياس "Adaptive Cruise Control (ACC) Off" (إيقاف تشغيل وحدة التحكم في السرعة الثابتة المهانية).

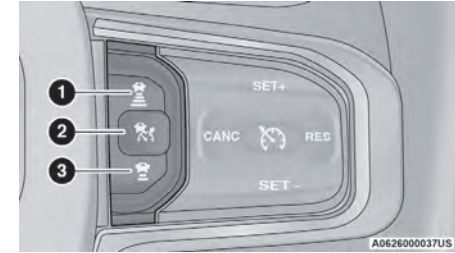
إذا تم ضبط وحدة التحكم في السرعة الثابتة المهانية (ACC) عندما تكون سرعة السيارة أقل من 30 كم/ساعة (19 ميلاً/الساعة)، فسوف يتم ضبط السرعة المضبوطة بصورة افتراضية على 30 كم/ساعة (19 ميلاً/الساعة).

ملاحظة:

لا يمكن ضبط نظام التحكم في السرعة الثابتة على أقل من 30 كم/الساعة (19 ميلاً/الساعة). إذا تم ضبط النظام عند وصول سرعة السيارة إلى أكثر من 30 كم/ساعة (19 ميلاً/الساعة)، فستكون السرعة المضبوطة هي السرعة الحالية للسيارة.

تشغيل وحدة التحكم في السرعة الثابتة المهيأة

تعمل الأزرار الموجودة في الجانب الأيمن من عجلة القيادة على تشغيل نظام وحدة التحكم في السرعة الثابتة المهيأة.



أزرار التحكم في السرعة الثابتة المهيأة

- 1 — زيادة إعداد المسافة
- 2 — زر تشغيل/إيقاف تشغيل وحدة التحكم في السرعة الثابتة المهيأة (ACC)
- 3 — خفض إعداد المسافة

قائمة وحدة التحكم في السرعة الثابتة المهيأة (ACC)

ستعرض شاشة عرض مجموعة أجهزة القياس الإعدادات الحالية لنظام وحدة التحكم في السرعة الثابتة المهيأة (ACC). وتعتمد المعلومات التي يعرضها على حالة نظام وحدة التحكم في السرعة الثابتة المهيأة.

اضغط على زر تشغيل/إيقاف تشغيل وحدة التحكم في السرعة الثابتة المهيأة حتى يتم عرض أي مما يلي في شاشة عرض مجموعة أجهزة القياس:

Adaptive Cruise Control Off (إيقاف تشغيل وحدة التحكم في السرعة الثابتة المهيأة)

عند إلغاء تنشيط وحدة التحكم في السرعة الثابتة المهيأة (ACC)، ستعرض الشاشة "Adaptive Cruise Control Off" (إيقاف تشغيل وحدة التحكم في السرعة الثابتة المهيأة).

Adaptive Cruise Control Ready (وحدة التحكم في السرعة الثابتة المهيأة جاهزة)

عند تنشيط وحدة التحكم في السرعة الثابتة المهيأة (ACC) مع عدم اختيار إعداد سرعة السيارة، ستعرض شاشة العرض "Adaptive Cruise Control Ready" (وحدة التحكم في السرعة الثابتة المهيأة جاهزة).

ضبط وحدة التحكم في السرعة الثابتة المهيأة

عندما يتم الضغط على زر SET (+) أو SET (-)، سوف تعرض شاشة العرض الرسالة "ACC SET." (ضبط وحدة التحكم في السرعة الثابتة المهيأة).

عند ضبط وحدة التحكم في السرعة الثابتة المهيأة (ACC)، ستظهر السرعة المضبوطة في شاشة عرض مجموعة أجهزة القياس.

قد يتم عرض شاشة وحدة التحكم في السرعة الثابتة المهيأة (ACC) مرة أخرى في حالة حدوث أي من أنشطة وحدة التحكم في السرعة الثابتة المهيأة (ACC) التالية:

- إلغاء النظام
- التجاوز من قبل السائق
- إيقاف تشغيل النظام

- تحذير الاقتراب لوحدة التحكم في السرعة الثابتة المهيأة
 - تحذير عدم توفر وحدة التحكم في السرعة الثابتة المهيأة
- ستعود شاشة عرض مجموعة أجهزة القياس إلى آخر شاشة عرض محددة بعد خمس ثوان من عدم وجود أي نشاط لشاشة عرض وحدة التحكم في السرعة الثابتة المهيأة (ACC).

تشغيل وحدة التحكم في السرعة الثابتة المهيأة ACC

الحد الأدنى للسرعة المضبوطة لوحدة التحكم في السرعة الثابتة المهيأة (ACC) هو 30 كم/ساعة (19 ميلاً/ساعة).

عند تشغيل النظام ووجوده في حالة الاستعداد، ستعرض شاشة عرض مجموعة أجهزة القياس "ACC Ready." (وحدة التحكم في السرعة الثابتة المهيأة جاهزة)

عند إيقاف تشغيل النظام، ستعرض شاشة عرض مجموعة أجهزة القياس "Adaptive Cruise Control Off (ACC)" (إيقاف تشغيل وحدة التحكم في السرعة الثابتة المهيأة).

ملاحظة:

لا يمكنك تشغيل وحدة التحكم في السرعة الثابتة المهيأة (ACC) في الحالات التالية:

- في 4WD Low (الدفع الرباعي المنخفض)
- عند استعمال الفرامل
- عند استعمال فرامل التوقف

تحذير!

يجب ألا تستخدم نظام وحدة التحكم في السرعة الثابتة المهيأة:

- عند القيادة في الضباب أو في الأمطار الغزيرة أو الثلج الكثيف أو المطر المتجمد أو حركة المرور المزدحمة وفي ظروف القيادة المعقدة (على سبيل المثال، في مناطق الإنشاء في الطريق السريعة).
- عند الدخول في مسار منعطف أو مخرج منحدر من طريق سريع؛ أو عند القيادة على طرق تهب عليها الرياح، أو طرق يكسوها الثلج أو الجليد، أو طرق زلقة أو فيها مرتفعات أو منحدرات.
- عند سحب مقطورة أعلى أو أسفل منحدر شديد الانحدار.
- عندما لا تتيج الظروف القيادة الآمنة بسرعة ثابتة.

تحذير!

- وحدة التحكم في السرعة الثابتة المهيأة هي نظام لتوفير الراحة. وهي ليست بديلاً عن اشتراك السائق بفعالية. فمن مسؤولية السائق دائماً الانتباه للطريق وحركة المرور وأحوال الطقس وسرعة السيارة والمسافة بينه وبين السيارة التي أمامه والأهم من ذلك استعمال الفرامل لضمان التشغيل الآمن للسيارة في ظل جميع ظروف الطريق. يعتبر انتباهك الكامل مطلوب دائماً أثناء القيادة للتحكم في السيارة بشكل آمن. قد يتسبب عدم اتباعك لهذه التحذيرات في حدوث تصادم والوفاة أو حدوث إصابات خطيرة.
- نظام وحدة التحكم في السرعة الثابتة المهيأة:
 - لا يتفاعل مع المشاة والسيارات القريبة والأشياء المتوقفة (على سبيل المثال، السيارات المتوقفة في زحام مروري أو السيارات المعطلة).
 - لا يمكنه أخذ ظروف الشارع وحركة المرور والطقس في الاعتبار وقد يكون محدود القدرات في ظروف مسافة الرؤية الصعبة.
 - لا يتعرف دائماً بشكل كامل على ظروف القيادة المعقدة والتي قد تؤدي إلى صدور تحذيرات المسافة الخطأ أو المفقودة.
 - سوف يقوم بإيقاف السيارة تماماً عند تتبع سيارة أمامك مع ضبط السيارة لمدة ثلاث دقائق تقريباً في وضع التوقف. إذا لم تبدأ السيارة أمامك في التحرك خلال ثلاث دقائق، فسيتم تنشيط فرامل التوقف وسيتم إلغاء نظام وحدة التحكم في السرعة الثابتة المهيأة (ACC).

(تابع)

وحدة التحكم في السرعة الثابتة المهيأة (ACC)

تعمل وحدة التحكم في السرعة الثابتة المهيأة (ACC) على زيادة الراحة أثناء القيادة التي توفرها وحدة التحكم في السرعة الثابتة عند السير في الطرق السريعة والطرق الرئيسية. ولكنها لا تعتبر نظام أمان وهي غير مصممة لمنع وقوع الاصطدامات. **تعمل وظيفة التحكم في السرعة الثابتة بصورة مختلفة** [صفحة ١٧١](#).

تتيح لك وحدة التحكم في السرعة الثابتة المهيأة (ACC) إمكانية الحفاظ على تشغيل التحكم في السرعة الثابتة في ظروف حركة المرور المعتدلة دون الحاجة الدائمة إلى إعادة ضبط سرعتك. تستخدم وحدة التحكم في السرعة الثابتة المهيأة (ACC) مستشعر رادار وكاميرا متجهة للأمام لاكتشاف السيارة التي أمامك مباشرة للحفاظ على سرعة مضبوطة.

ملاحظة:

- إذا اكتشف مستشعر وحدة التحكم في السرعة الثابتة المهيأة (ACC) سيارة أمامك، فستطبق الوحدة فرملة أو تسريعاً بشكل محدود (بحيث لا يتجاوز السرعة المضبوطة الأصلية) للحفاظ على مسافة متابعة معينة مسبقاً، أثناء مطابقة سرعة السيارة التي أمامك.
- يؤدي إدخال أي تعديلات بالشاسيه/التعليق أو بحجم إطار السيارة إلى التأثير على أداء وحدة التحكم في السرعة الثابتة المهيأة ونظام تحذير التصادم الأمامي.
- لن يكتشف نظام التحكم في السرعة الثابتة (مع عدم تمكين وحدة التحكم في السرعة الثابتة المهيأة (ACC)) السيارات الموجودة أمامك مباشرة. انتبه دائماً للميزة المحددة.

تغيير إعداد السرعة

لزيادة أو خفض السرعة المضبوطة

بعد ضبط السرعة، يمكنك زيادة السرعة بالضغط على زر SET (ضبط) (+)، أو خفض السرعة بالضغط على زر SET (ضبط) (-).

السرعة بنظام الوحدات بالولايات المتحدة (ميل/ساعة)

• يؤدي الضغط على زر SET (ضبط) (+) أو SET (ضبط) (-) مرة واحدة إلى ضبط السرعة بمقدار 1 ميل/الساعة. وتؤدي كل ضغطة أخرى على الزر إلى الضبط بمقدار 1 ميل/الساعة.

• إذا استمر الضغط على الزر، فسيستمر ضبط السرعة المضبوطة بزيادات قدرها 5 أميال/الساعة حتى يتم تحرير الزر. تنعكس السرعة الجديدة المضبوطة في شاشة عرض مجموعة أجهزة القياس.

السرعة بنظام الوحدات المترية (كم/ساعة)

• يؤدي الضغط على زر SET (ضبط) (+) أو SET (ضبط) (-) مرة واحدة إلى ضبط السرعة بمقدار 1 كم/الساعة. وتؤدي كل ضغطة لاحقة على الزر إلى الضبط بمقدار 1 كم/ساعة.

• إذا استمر الضغط على الزر، فسيستمر ضبط السرعة المضبوطة بزيادات قدرها 10 كم/ساعة حتى يتم تحرير الزر. تنعكس السرعة الجديدة المضبوطة في شاشة عرض مجموعة أجهزة القياس.

ملاحظة:

عندما تقوم بالتجاوز والضغط على زر SET (ضبط) (+) أو زر SET (ضبط) (-)، ستكون السرعة المضبوطة الجديدة هي السرعة الحالية للسيارة.

لزيادة السرعة للتجاوز

عند ضبط نظام التحكم في السرعة الثابتة، اضغط على دواسة الوقود للتجاوز كما تفعل بصورة عادية. وعندما ترفع قدمك عن الدواسة تعود السرعة إلى ما كانت عليه مسبقاً.

استخدم نظام التحكم في السرعة الثابتة على التلال

قد ينتقل ناقل الحركة إلى ترس منخفض على المرتفعات للحفاظ على السرعة المضبوطة للسيارة.

يحافظ نظام التحكم في السرعة الثابتة على السرعة عند صعود أو نزول المنحدرات. يعد حدوث تغيير بسيط في السرعة عند صعود التلال غير المرتفعة كثيراً أمراً طبيعياً. قد يحدث نقص أو زيادة أكبر في السرعة على المنحدرات شديدة الانحدار لذلك فإنه من الأفضل أن تقود بدون نظام التحكم في السرعة الثابتة.

تحذير!

يمكن أن يكون نظام التحكم في السرعة الثابتة خطيراً عندما لا يستطيع النظام المحافظة على سرعة ثابتة. وقد تسير سيارتك بسرعة أكبر من اللازم بالنسبة للظروف المحيطة وقد تفقد السيطرة عليها ويقع حادث. لا تستعمل نظام التحكم في السرعة الثابتة في حالات الزحام الشديد أو في الطرق الملتوية أو المغطاة بالثلج أو الجليد أو المسببة للانزلاق.

لاستئناف السرعة

لاستئناف تشغيل السيارة على السرعة المضبوطة مسبقاً، اضغط على زر RES (الاستئناف) ثم حرره. يمكن استئناف السرعة أثناء القيادة بأي سرعة تزيد عن 32 كم/ساعة (20 ميل/ساعة).

إلغاء التنشيط

يؤدي الضغط الخفيف على دواسة الفرامل، أو الضغط على زر CANC (إلغاء)، أو الضغط العادي على الفرامل في أثناء إبطاء السيارة إلى إلغاء تنشيط نظام التحكم في السرعة الثابتة من دون مسح السرعة المضبوطة من الذاكرة.

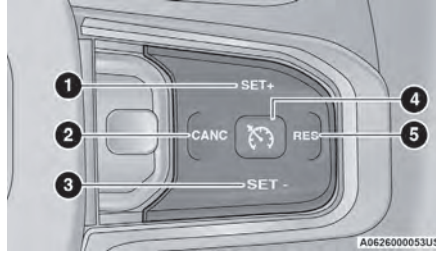
تؤدي الظروف الآتية أيضاً إلى إلغاء تنشيط نظام التحكم في السرعة الثابتة من دون مسح السرعة المضبوطة من الذاكرة:

- فرامل التوقف بالسيارة معشقة
- تحدث حالة استقرار
- تحريك محدد التروس إلى خارج وضع القيادة
- تحدث زيادة في سرعة المحرك

يؤدي الضغط على زر on/off (التشغيل/إيقاف التشغيل) أو إدارة مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل) إلى مسح السرعة المضبوطة من الذاكرة.

للتنشيط

اضغط على زر التشغيل/إيقاف التشغيل لتنشيط نظام Cruise Control (التحكم في السرعة الثابتة). يضيء ضوء مؤشر التحكم في السرعة الثابتة في شاشة مجموعة أجهزة القياس. لإيقاف تشغيل النظام، اضغط على زر on/off (التشغيل/إيقاف التشغيل) مرة أخرى. ينطفئ ضوء مؤشر التحكم في السرعة الثابتة. ينبغي إيقاف تشغيل النظام في حالة عدم استخدامه.



أزرار التحكم في السرعة الثابتة

- 1 — SET(+) (الضبط (+) Accel (التسارع))
- 2 — CANC/إلغاء
- 3 — SET- (الضبط (-) Decel (خفض السرعة))
- 4 — On (التشغيل) Off (إيقاف التشغيل)
- 5 — RES/استئناف

تحذير!

يمكن أن يكون نظام التحكم في السرعة الثابتة خطيرًا عندما لا يستطيع النظام المحافظة على سرعة ثابتة. وقد تسير سيارتك بسرعة أكبر من اللازم بالنسبة للظروف المحيطة وقد تفقد السيطرة عليها ويوقع حادث. لا تستعمل نظام التحكم في السرعة الثابتة في حالات الزحام الشديد أو في الطرق الملتوية أو المغطاة بالثلج أو الجليد أو المسببة للانزلاق.

أنظمة التحكم في السرعة الثابتة — إذا كانت السيارة مزودة بذلك

- قد تكون سيارتك مزودة بنظام التحكم في السرعة الثابتة أو نظام وحدة التحكم في السرعة الثابتة المهيأة (ACC):
- يبقى التحكم في السرعة الثابتة السيارة على سرعة ثابتة مضبوطة مسبقًا.
- ستعدل وحدة التحكم في السرعة الثابتة المهيأة (ACC) سرعة السيارة حتى السرعة الثابتة المضبوطة مسبقًا للحفاظ على المسافة بينها وبين السيارة التي أمامها.

ملاحظة:

- في السيارات المزودة بوحدة التحكم في السرعة الثابتة المهيأة (ACC)، إذا لم يتم تمكين وحدة التحكم في السرعة الثابتة المهيأة (ACC)، فلن يكشف نظام التحكم في السرعة الثابتة للسيارات التي أمامك مباشرة. انتبه دائمًا للميزة المحددة.
- يمكن تشغيل ميزة واحدة فقط للتحكم في السرعة الثابتة في كل مرة. على سبيل المثال، إذا تم تمكين التحكم في السرعة الثابتة، فلن تكون وحدة التحكم في السرعة الثابتة المهيأة متاحة، والعكس صحيح.

التحكم في السرعة الثابتة

عندما يتم تشغيل نظام التحكم في السرعة الثابتة، فإنه يتولى تشغيل دواصة الوقود عند سرعات تزيد عن 32 كم/ساعة (20 ميلًا في الساعة).

توجد أزرار التحكم في السرعة الثابتة في الجانب الأيمن من عجلة القيادة.

تحذير!

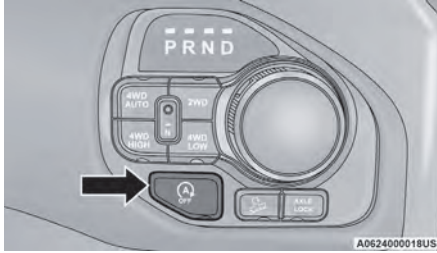
يعتبر ترك نظام التحكم في السرعة الثابتة في وضع التشغيل في حالة عدم استخدامه أمرًا بالغ الخطورة. قد تقوم عن غير قصد بضبط النظام أو تتسبب في أن تجعله ينطلق أسرع مما تريد. من الممكن أن تفقد السيطرة على السيارة مما يعرضك للحوادث. تأكد دائمًا من إيقاف تشغيل النظام عندما لا تستخدمه.

لضبط سرعة مرغوبة

قم بتشغيل نظام التحكم في السرعة الثابتة. عند وصول السيارة إلى السرعة المطلوبة، اضغط على زر SET (+) أو زر SET (-) ثم حرره. أطلق دواصة التعجيل وسوف تسير السيارة على السرعة المرغوبة.

ملاحظة:

ينبغي قيادة السيارة بسرعة ثابتة وعلى أرض مستوية قبل الضغط على زر SET (الضبط) (-) أو زر SET (الضبط) (+).



مفتاح "STOP/START OFF" (إيقاف تشغيل نظام الإيقاف/بدء التشغيل)

ملاحظة:

ويقوم نظام Stop/Start (الإيقاف/بدء التشغيل) بضبط نفسه على الوضع ON (التشغيل) في كل مرة يتم فيها تدوير مفتاح التشغيل إلى إيقاف التشغيل ثم التشغيل.

لتشغيل نظام بدء التشغيل/الإيقاف يدويًا

اضغط على مفتاح Stop/Start OFF (إيقاف تشغيل نظام الإيقاف/بدء التشغيل) (الموجود في صف المفاتيح). سينطفئ الضوء على المفتاح.

عطل النظام

في حالة وجود عطل في نظام Stop/Start (الإيقاف/بدء التشغيل)، فلن يتمكن النظام من إيقاف تشغيل المحرك.

تظهر الرسالة "SERVICE STOP/START"

"SYSTEM" (يلزم صيانة نظام الإيقاف/بدء التشغيل) في شاشة عرض مجموعة أجهزة القياس ١٢٠ صفحة.

سيحتاج النظام إلى فحص لدى الوكيل المعتمد.

الظروف التي تفرض الانتقال الأوتوماتيكي إلى وضع PARK (التوقف) أثناء التواجد في وضع التوقف الأوتوماتيكي

لن يبدأ المحرك في العمل أوتوماتيكيًا وسينقل ناقل الحركة إلى وضع PARK (التوقف) إذا كان:

- باب السائق مفتوح وتم تحرير دواسة الفرامل
- باب السائق مفتوح وحزام مقعد السائق غير مربوط
- تم فتح غطاء المحرك
- يوجد خطأ في نظام Stop/ Start (الإيقاف/ بدء التشغيل)

قد يبدأ تشغيل المحرك مرة أخرى بتحريك محدد ذراع ناقل الحركة خارج وضع PARK (التوقف) (على سبيل المثال، إلى وضع DRIVE (القيادة)) أو، في بعض الحالات، فقط عن طريق مفتاح بدء التشغيل. تعرض مجموعة أجهزة القياس رسالة "SHIFT OUT OF PARK" (خروج من وضع التوقف)، أو رسالة "STOP/START KEY START REQUIRED" (يلزم بدء تشغيل مفتاح الإيقاف/ بدء التشغيل)، للإشارة إلى الإجراء المطلوب ١٠٦ صفحة.

لإيقاف تشغيل نظام بدء التشغيل/الإيقاف يدويًا

اضغط على مفتاح Stop/Start OFF (إيقاف تشغيل نظام الإيقاف/بدء التشغيل) (الموجود في صف المفاتيح). يضيء الضوء الموجود على المفتاح. سيتم عرض الرسالة "STOP/START OFF" (إيقاف تشغيل نظام الإيقاف/بدء التشغيل) في شاشة مجموعة أجهزة القياس وسيتم تعطيل وضع التوقف الأوتوماتيكي ١٠٦ صفحة.

يمكن تشغيل السيارة عدة مرات متتالية في الظروف القاسية وعدم استيفاء كل المعايير لتمكين حالة Autostop (التوقف الأوتوماتيكي).

لبدء تشغيل المحرك أثناء التواجد في وضع التوقف الأوتوماتيكي

من داخل وضع DRIVE (القيادة)، سوف يبدأ تشغيل المحرك عند تحرير دواسة الفرامل أو الضغط على دواسة الوقود وستتم إعادة تشييق ناقل الحركة أوتوماتيكيًا عند إعادة تشغيل المحرك.

الظروف التي ستؤدي إلى بدء تشغيل المحرك تلقائيًا أثناء التواجد في وضع التوقف الأوتوماتيكي سوف يبدأ تشغيل المحرك أوتوماتيكيًا عند:

- تحرك محدد ناقل الحركة من وضع القيادة إلى وضع الرجوع للخلف أو وضع اللاتعشيق أو وضع التوقف
- للحفاظ على درجة حرارة الكابينة بالقرب من إعدادات HVAC (التسخين والتهوية ومكيف الهواء)
- يتم ضبط HVAC (التسخين والتهوية ومكيف الهواء) على وضع إزالة الصقيع بالكامل
- طلب قدرة 12 فولت يحتاج إلى إعادة تشغيل المحرك
- الضغط على مفتاح Stop/Start OFF (إيقاف تشغيل نظام الإيقاف/بدء التشغيل)
- عملية النقل في وضع 4WD LOW (الدفع الرباعي المنخفض)
- وجود تجاوز لنظام الانبعاثات
- يوجد خطأ في نظام Stop/ Start (الإيقاف/ بدء التشغيل)

الأسباب المحتملة وراء أن المحرك لا يتوقف أوتوماتيكياً

قبل توقف المحرك، سوف يقوم النظام بتفقد الكثير من ظروف السلامة والراحة لمعرفة ما إذا تم تحقيقها. في المواقف التالية، لن يتوقف المحرك أوتوماتيكياً:

- حزام مقعد السائق غير مربوط
- باب السائق غير مغلق
- السيارة على منحدر شديد الانحدار
- تدفئة الكابينة أو تبريدها قيد التشغيل ولم يتم تحقيق درجة حرارة الكابينة المقبولة
- تم ضبط التسخين والتهوية ومكيف الهواء (HVAC) على وضع مزيل الصقيع الكامل في سرعة المروحة العالية
- المحرك لم يصل لدرجة التشغيل العادية
- درجة حرارة المحرك أو العادم مرتفعة للغاية
- البطارية قيد الشحن
- ناقل الحركة ليس في وضع DRIVE (القيادة)
- غطاء المحرك مفتوح
- علب النقل في وضع 4WD LOW (الدفع الرباعي المنخفض)
- تم تحديد وضع TOW/HAUL (السحب/ الجر)
- دخل دواصة الوقود
- وجود أحمال زائدة بقدرة 12 فولت
- استخدام الفرامل مناسب للتوقف والاستمرار فيه

توافر جميع الشروط الأخرى، يمكن للنظام أن يدخل في وضع التوقف الأوتوماتيكي STOP/START AUTOSTOP ACTIVE (إيقاف/بدء تشغيل التوقف الأوتوماتيكي نشط).

لتنشيط وضع التوقف الأوتوماتيكي، يجب أن يحدث الآتي:

1. يجب أن يكون النظام في حالة STOP/START READY (الإيقاف/بدء التشغيل جاهز). سيتم عرض الرسالة STOP/START READY (الإيقاف/بدء التشغيل جاهز) في شاشة مجموعة أجهزة القياس في قسم Stop/Start (الإيقاف/بدء التشغيل) صفحة ١٠٦.

2. من المفترض أن تبدأ سرعة السيارة في الانخفاض ومن المحتمل أن تتوقف بشكل كامل.

3. يجب أن يكون محدد ترس ناقل الحركة في وضع DRIVE (القيادة) مع الضغط على دواصة الفرامل. سيتم إيقاف تشغيل المحرك، ينتقل عداد سرعة المحرك إلى موضع الصفر ويضيء ضوء الإيقاف/بدء التشغيل مشيراً إلى أنك في وضع Autostop (التوقف الأوتوماتيكي).

أثناء التواجد في وضع Autostop (التوقف الأوتوماتيكي)، قد يقوم نظام التحكم في درجة الحرارة بضبط تدفق الهواء للمحافظة على الراحة داخل الكابينة. ستتم المحافظة على إعدادات العمل عند العودة إلى حالة تشغيل المحرك.

نظام Stop/Start (الإيقاف/بدء التشغيل) - إذا كانت السيارة مزودة بذلك

تم تطوير وظيفة Stop/Start (الإيقاف/بدء التشغيل)، والتي يتم تضمينها مع السيارات المزودة بعزم الإلكتروني، لتوفير الوقود وتقليل الانبعاثات. سيقوم بإيقاف المحرك أوتوماتيكياً أثناء القيام بخفض سرعة السيارة عند سرعات منخفضة في حال توفر الظروف المطلوبة. سيؤدي تحرير دواصة الفرامل أو الخروج من وضع DRIVE (القيادة) إلى إعادة تشغيل المحرك تلقائياً. تحتوي السيارات المزودة بعزم إلكتروني على مولد موتور للخدمة الشاقة وبطارية كهربائية هجينة إضافية لتخزين الطاقة الناتجة من خفض سرعة السيارة المستخدم لتوسيع تخزين طاقة المحرك عند إيقاف التشغيل ولبدء تشغيل المحرك بعد التوقف، بالإضافة إلى توفير مساعدة عزم المحرك عند توفر الظروف اللازمة لتمكين ذلك.

وضع التوقف الأوتوماتيكي

يتم تمكين ميزة Stop/Start (إيقاف/بدء التشغيل) بعد كل عملية تشغيل عادية للمحرك من قبل العميل. ستظل في وضع STOP/START NOT READY (الإيقاف/بدء التشغيل غير جاهز) حتى نفوذ السيارة للأمام بسرعة تزيد على 3 كم/ساعة (ميلان/الساعة). في هذا الوقت، سيدخل النظام في وضع STOP/START READY (الإيقاف/بدء التشغيل غير جاهز) وفي حال

ويعد الترس التفاضلي محدود الانزلاق مفيدًا خصوصًا أثناء ظروف القيادة على الطرق الزلقة. فمع وجود العجلتين الخلفيتين على السطح المنزلق، يوفر الاستخدام الخفيف لدواسة البنزين أقصى طاقة جر. عند بدء التشغيل مع استخدام عجلة خلفية واحدة على سطح شديد الانزلاق، قد يتطلب الأمر الاستخدام البسيط لفرامل الوقوف للحصول على أقصى طاقة جر.

تحذير!

عند صيانة السيارات المزودة بقفل محدود الانزلاق أو قفل تفاضلي، لا تشغل المحرك مطلقًا عند وجود إحدى العجلات الخلفية فوق الأرض لأن السيارة قد تتحرك على العجلة الخلفية المتبقية على الأرض، وتسبب في حركة غير مقصودة.

يجب توخي الحرص لتجنب التسريع المفاجئ عندما تكون كل من العجلتين الخلفيتين على سطح منزلق. فقد يتسبب ذلك في دوران كل من العجلتين الخلفيتين والسماح للسيارة بالانزلاق على الجزء المرتفع من سطح الطريق أو في المنعطف.

تقنية توفير الوقود للمحركات 5.7 لتر فقط — إذا كانت السيارة مزودة بذلك

توفر هذه الميزة مزيدًا من التوفير في الوقود عن طريق إغلاق أربعة من أسطوانات المحرك الثمانية أثناء السير في ظل وجود حمولة خفيفة وفي الرحلات. إن هذا النظام أوتوماتيكي ولا يحتاج إلى أي إدخال من السائق.

ملاحظة:

قد يستغرق النظام بعض الوقت للعودة إلى الأداء الوظيفي الكامل بعد فصل البطارية.

التوجيه المعزز

التوجيه المعزز كهربيًا

سيوفر نظام التوجيه المعزز كهربيًا زيادة في استجابة السيارة وسهولة في المناورة. يتكيف نظام التوجيه المعزز كهربيًا مع ظروف القيادة المختلفة.

تحذير!

قد تعرض نفسك والآخرين إلى الخطر عند الاستمرار في قيادة السيارة بعد انخفاض المساعدة في نظام التوجيه. يجب إجراء أعمال الصيانة في أسرع وقت ممكن.

يمكن اختيار جهود بديلة للتوجيه المعزز كهربيًا من خلال نظام Uconnect.



في حال عرض رمز التحذير Electric Power Steering (التوجيه المعزز كهربيًا) وعرض الرسالة "Power Steering Service" (نظام التوجيه المعزز يحتاج إلى صيانة) أو "Power Steering Assist" (إيقاف مساعد التوجيه المعزز — تلزم صيانة النظام) على شاشة عرض مجموعة أجهزة القياس، فهذا يعني أن السيارة بحاجة إلى صيانة لدى الوكيل المعتمد ➔ صفحة ١٠٦.

في حال عرض رمز تحذير Electric Power Steering (التوجيه المعزز) والرسالة "Steering System Over Temp" (زيادة درجة حرارة نظام التوجيه المعزز) على شاشة مجموعة أجهزة القياس، يشير هذا إلى حالة ارتفاع درجة الحرارة في نظام التوجيه المعزز. عندما تكون ظروف القيادة آمنة، أوقف السيارة وتركها تعمل في حالة تباطؤ لبضع دقائق حتى يخفي الرمز والرسالة ➔ صفحة ١٠٦.

ملاحظة:

- وحتى في حالة عدم عمل مساعدة التوجيه المعزز، يمكن توجيه السيارة. وستتطلب هذه الحالة بذل مجهود أكبر لتوجيه السيارة وخاصة في السرعات البطيئة أو أثناء مناورات التوقف.
- إذا استمرت الحالة، فراجع الوكيل المعتمد للحصول على الصيانة اللازمة.

ملاحظة:

قد يكون اختلاف سرعة العجلات اليمنى واليسرى ضروريًا للسماح بفتح المحور الخلفي تمامًا. وإذا كان ضوء المؤشر يومض بعد تحديد وضع قفل المحور الخلفي، فقم بقيادة السيارة في منعطف أو على حصى سائب للتعجيل من القفل.

يمكن قفل عزم قفل المحور بفعل الأحمال من جانب إلى جانب الواقعة على المحور الخلفي. وقد يستلزم الأمر القيادة ببطء مع إدارة عجلة القيادة من منعطف أيسر إلى منعطف أيمن أو القيادة في وضع REVERSE (الرجوع للخلف) لمسافة قصيرة وذلك لتحرير قفل العزم وإلغاء قفل المحاور.

لإلغاء قفل محور الدوران الخلفي، اضغط على زر AXLE LOCK (قفل محور الدوران). سينطفئ مؤشر الوضع AXLE LOCK (قفل المحور الخلفي) بعد إلغاء قفل المحور الخلفي.

الترس التفاضلي محدود الانزلاق — إذا كانت السيارة مزودة بذلك

يوفر الترس التفاضلي محدود الانزلاق مزيدًا من طاقة الجر على الطرق الجليدية والطينية والرملية والحصى، خصوصًا عند وجود اختلاف بين خواص الجر للسطح أسفل العجلات اليمنى واليسرى الخلفية. عند التشغيل العادي والانعطاف إلى جانب الطريق، تعمل وحدة الانزلاق المحدود بنفس طريقة الترس التفاضلي التقليدي. وفي الأسطح الزلقة، يوفر القفل التفاضلي مزيدًا من طاقة القيادة إلى العجلة الخلفية ذات طاقة الجر الأفضل.

تنبيه!

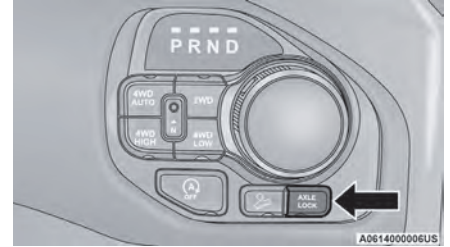
- لا تحاول قفل المحور الخلفي إذا كانت السيارة عالقة مع دوران العجلات. قد تتسبب في تلف مكونات مجموعة الدفع والحركة. اقل المحور الخلفي قبل المحاولة في بعض الظروف أو القيادة في بعض التضاريس، والتي قد تتسبب في أن تصبح السيارة عالقة.

يتم التحكم في قفل المحور الخلفي بواسطة زر قفل المحور.

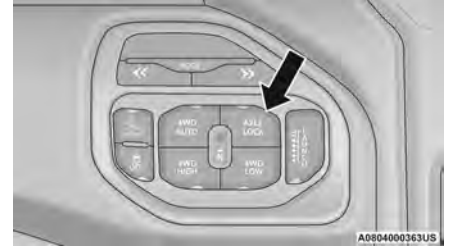
في ظروف القيادة العادية، يجب قفل المحور الخلفي. أثناء أمر قفل المحور الخلفي، سيومض ضوء المؤشر حتى يتم قفل المحور. وبعد نجاح تنفيذ أمر القفل، سيبقى المؤشر مضاءً.

بالتشغيل في وضع النطاق المنخفض لنظام الدفع الرباعي (4WD LOW)، يمكن تشييق القفل حتى 64 كم/الساعة (40 ميلًا في الساعة) وسيظل مشعشًا في نطاق السرعة المنخفض لنظام الدفع الرباعي (4WD LOW).

بتشغيل القفل في وضع 2WD (الدفع الثاني) و4WD AUTO (الدفع الرباعي الأوتوماتيكي) و4WD LOCK/ HIGH (قفل الدفع الرباعي/ الدفع الرباعي العالي)، يمكن تشييق القفل حتى 32 كم/ الساعة (20 ميلًا في الساعة). عند القيادة مع تشييق القفل، إذا تجاوزت السرعة 40 كم/الساعة (25 ميلًا في الساعة)، فسيتم إلغاء التشييق أوتوماتيكيًا، ولكن ستتم إعادة تشييقه مرة أخرى عند سرعة 32 كم/الساعة (20 ميلًا في الساعة).



زر قفل محور الدوران



زر قفل محور الدوران - طرازات TRX

تنبيه!

- لا تقفل المحور الخلفي على الطرق ذات الأسطح الصلبة. نقل القدرة على توجيه السيارة وقد يحدث تلف لمجموعة الدفع والحركة عند قفل المحور على الطرق ذات الأسطح الصلبة.

(تابع)

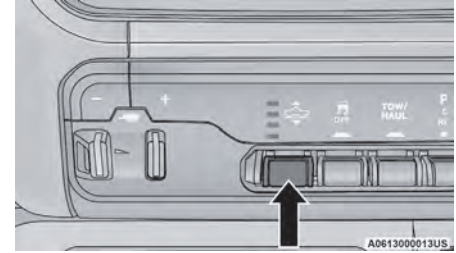
- وضع الإطار/الرافعة – سوف يضيء مصباحا المؤشر 4 و 1. يتم تعطيل وضع Tire/Jack (الإطار/الرافعة) عن طريق قيادة السيارة أو تعطيله من خلال إعدادات نظام Uconnect.
- وضع محاذاة العجلات – سوف تضيء مصابيح المؤشرات 2 و 3 و 4. يتم تعطيل وضع Wheel Alignment (محاذاة العجلات) عن طريق قيادة السيارة أو تعطيله من خلال إعدادات نظام Uconnect.

نظام قفل المحور — إذا كانت السيارة مزودة بذلك

تم تزويد هذه السيارة بنظام الترس التفاضلي الخلفي للقفل الإلكتروني. وعند تشغيل نظام التروس التفاضلية هذا، فإنه يقوم بفتح أعمدة المحاور حيث تجبر العجلات على الدوران بنفس السرعة. وينبغي تشغيل قفل التروس التفاضلية الخلفية أثناء السرعة المنخفضة وحالات الطرق غير الممهدة للغاية حيث من المحتمل ألا تلامس عجلة واحدة الأرض. ولا نوصي بقيادة السيارة والتروس التفاضلية مغلقة على الطرق الممهدة بفعل ضعف القدرة على الانعطاف وتحديد السرعة.

إلى خفض المستوى المطلوب بمقدار وضع واحد حتى بلوغ الوضع الأدنى لوضع Entry/Exit (الدخول/الخروج) أو أقل وضع مسموح به اعتمادًا على الظروف الحالية (أي سرعة السيارة، وما إلى ذلك). وتحدث تغييرات الارتفاع الأوتوماتيكية بناءً على سرعة السيارة وارتفاع السيارة الحالي. تعمل مصابيح المؤشر ورسائل شاشة عرض مجموعة أجهزة القياس بنفس الطريقة بالنسبة إلى التغييرات الأوتوماتيكية والتغييرات التي يطلبها المستخدم.

- الطرق غير الممهدة 1 (OR1) – تضيء مصابيح المؤشرات 4 و 3 و 2 و 1.
- ارتفاع القيادة العادي (NRH) – تضيء مصابيح المؤشرات 4 و 3 و 2.
- الارتفاع الهوائي – يضيء مصباحا المؤشرين 4 و 3.
- الدخول/الخروج – يضيء مصباح المؤشر 4. يمكن طلب وضع Entry/Exit (الدخول/الخروج) في السرعات التي تزيد عن 53 كم/ساعة (33 ميلاً/الساعة). إذا تم خفض سرعة السيارة إلى 24 كم/ساعة (15 ميلاً/ساعة) واستمرت أدنى من ذلك، فسوف يومض مصباح المؤشر 3 ويظل مصباح المؤشر 4 مضاءً حتى يتم الوصول إلى Entry/Exit (الدخول/الخروج) وعند ذلك ينطفئ مصباح المؤشر 3.
- الوضع الهوائي الأوتوماتيكي – يضيء مصباحا المؤشرين 5 و 4.
- وضع النقل – لن تضيء أي مصابيح مؤشرات. يتم تعطيل وضع النقل عن طريق قيادة السيارة أو تعطيله من خلال إعدادات نظام Uconnect.



مفتاح التعليق الهوائي

يؤدي الضغط على مفتاح محدد الارتفاع مرة واحدة إلى تحريك التعليق لأعلى بمقدار وضع واحد من الوضع الحالي، وذلك بافتراض استيفاء كل الشروط (أي وجود المفتاح في وضع ON/RUN (التشغيل/الانطلاق) وتشغيل المحرك وعدم تجاوز السرعة للحد المقرر، وما إلى ذلك). يمكن الضغط على مفتاح محدد الارتفاع عدة مرات لأعلى، حيث تؤدي كل مرة إلى الرفع للمستوى المطلوب بمقدار وضع واحد حتى بلوغ الوضع الأقصى لوضع OR (الطرق غير الممهدة) أو أعلى وضع مسموح به اعتمادًا على الظروف الحالية (مثل سرعة السيارة، وما إلى ذلك).

يؤدي الضغط على مفتاح محدد الارتفاع لأسفل مرة واحدة إلى تحريك التعليق لأسفل بمقدار وضع واحد من المستوى الحالي، وذلك بافتراض استيفاء جميع الشروط (على سبيل المثال، المفتاح في وضع ON/RUN (التشغيل/الانطلاق) وتشغيل المحرك وإغلاق الأبواب وعدم تجاوز السرعة للحد المقرر، وما إلى ذلك). يمكن الضغط على مفتاح محدد الارتفاع عدة مرات لأسفل، حيث تؤدي كل ضغط

وضع Wheel Alignment (محاذاة العجلات)

قبل تنفيذ محاذاة العجلات، يجب تمكين هذا الوضع الذي يحرك السيارة إلى ارتفاع الركوب العادي ويعطل ضبط المستوى التلقائي ➡ صفحة ٢٢٩.

استراتيجية الحماية

من أجل حماية نظام التعليق الهوائي، ستقوم السيارة بتعطيل موازنة الحمولة حسب الحاجة (زيادة الحمولة على نظام التعليق، أو انخفاض شحن البطارية، إلخ). سيتم استئناف موازنة الحمولة بصورة أوتوماتيكية بمجرد استيفاء متطلبات تشغيل النظام. استشر الوكيل المعتمد إذا لم يتم استئناف النظام.

ملاحظة:

للسحب باستخدام التعليق الهوائي ➡ صفحة ٢٠٥.

شاشة عرض مجموعة أجهزة القياس الرسائل

عند توافر الظروف المناسبة، تظهر رسالة في شاشة عرض مجموعة أجهزة القياس ➡ صفحة ١٠٦.

تصدر إشارة صوتية عند اكتشاف خطأ بالنظام.

راجع الوكيل المعتمد لمعرفة خدمة النظام إذا لم يتم استئناف التشغيل العادي.

النشغيل

تضيء مصابيح المؤشرات من 1 إلى 4 لعرض الوضع الحالي للسيارة. تعرض مصابيح المؤشر الوامضة الوضع الذي يعمل النظام على الوصول إليه. عند الرفع أو الخفض، فإن مصباح المؤشر الوامض هو الوضع الذي يعمل النظام على الوصول إليه.

ملاحظة:

في حالة التزود براديو مزود بشاشة اللمس، يجب القيام بجميع عمليات التمكين/ التعتيل لمزايا التعليق الهوائي من خلال الراديو ➡ صفحة ٢٢٩.

تحذير!

يستخدم نظام التعليق الهوائي مقدارًا عاليًا من ضغط الهواء لتشغيل النظام. لتجنب حدوث إصابة شخصية أو تلف بالنظام، راجع الوكيل المعتمد للحصول على معلومات حول الصيانة.

أوضاع التعليق الهوائي

يحتوي نظام التعليق الهوائي على أوضاع متعددة لحماية النظام في المواقف الفريدة:

الوضع الهوائي الأوتوماتيكي

لتحسين الديناميكيات الهوائية، يتمتع نظام التعليق الهوائي بميزة تؤدي إلى وضع السيارة في الارتفاع الهوائي تلقائيًا على السرعات العالية ➡ صفحة ١٠٦.

Tire Jack Mode (وضع رافعة الإطار)

للمساعدة في تغيير إطار، يتمتع نظام التعليق الهوائي بميزة تتيح تعطيل ضبط المستوى الأوتوماتيكي ➡ صفحة ٢٢٩.

وضع Transport (النقل)

لسحب سيارتك مع رفع العجلات الأربع عن الطريق، يشتمل نظام التعليق الهوائي على ميزة تضع السيارة في وضع ارتفاع Entry/ Exit (الدخول/ الخروج) وتعمل على تعطيل نظام موازنة الحمولة الأوتوماتيكي ➡ صفحة ٢٢٩.

يستخدم النظام هذا نمط رفع وخفض يعمل على عدم سطوع الأضواء الأمامية عن طريق الخطأ أمام السيارات القادمة. عند رفع السيارة، يتم رفع مؤخرة السيارة أولاً ثم المقدمة. عند خفض السيارة، يتم خفض المقدمة أولاً ثم المؤخرة.

بعد إيقاف تشغيل المحرك، ربما تتم ملاحظة عمل نظام التعليق الهوائي لفترة قصيرة، وهذا أمر طبيعي. يقوم النظام بتصحيح وضع السيارة لضمان المظهر الصحيح. للمساعدة في تغيير إطار احتياطي، يتمتع نظام التعليق الهوائي بميزة تتيح تعطيل ضبط المستوى الأوتوماتيكي ➡ صفحة ٢٢٩.

ارتفاع القيادة الافتراضي:

- حدد وضع Aero Height (الارتفاع الهوائي) أو Normal Ride Height (ارتفاع القيادة العادي) كالوضع الافتراضي لجميع سرعات السيارة وتشغيلها. هذا هو الارتفاع المحدد الذي سيقوم نظام التعليق بتسويته لتغييرات السرعة (على سبيل المثال، الرفع من وضع Entry/Exit Height (ارتفاع الدخول/ الخروج) على السرعة، خفض من Entry/Exit Height (ارتفاع الطرق غير الممهدة) على السرعة، إلخ).

- يمكن تغيير ارتفاع القيادة الافتراضي عن طريق ضبط مفتاح نظام التعليق الهوائي يدويًا على Normal Ride Height (ارتفاع القيادة العادي) أو Aero Ride Height (ارتفاع الركوب الهوائي) والبقاء في الارتفاع المحدد لمدة 2.5 ثانية. سيتم تخزينه كارتفاع الركوب الافتراضي وسيتم الحفاظ على الارتفاع حتى يتم تحديد ارتفاع قيادة افتراضي جديد.

- **الطرق غير ممهدة (OR) (يرفع السيارة بمقدار 26 مم [بوصة واحدة] تقريباً) –** هذا الوضع مخصص للاستخدام على الطرق غير الممهدة فقط حيث يلزم توفر أقصى درجة للخلوص الأرضي. للدخول إلى وضع OR (الطرق غير الممهدة)، ادفع مفتاح محدد الارتفاع لأعلى مرة واحدة من وضع ارتفاع القيادة العادي (NRH) عندما تكون سرعة السيارة أقل من 32 كم/ساعة (20 ميلاً/ساعة). أثناء تشغيل وضع OR (الطرق غير ممهدة)، إذا تجاوزت سرعة السيارة 40 كم/ساعة (25 ميلاً/ساعة)، فسيتم خفض ارتفاع السيارة أوتوماتيكياً إلى وضع NRH (ارتفاع القيادة العادي). قد لا يتوافر وضع Off-Road (الطرق الوعرة) بسبب الحمولة الصافية للسيارة، ستعرض شاشة مجموعة أجهزة القياس رسالة عند حدوث ذلك ➡ صفحة ١٠٦.

تنبيه!

إذا كانت السيارة في إعداد Off-Road (الطرق غير ممهدة)، فتوق الحذر بشأن الأشياء المحيطة، فقد لا يكون لديك الخلوص المطلوب لبعض المناطق وقد يحدث تلف للسيارة.

- **ارتفاع القيادة العادي (NRH) –** هذا هو الوضع القياسي للتعليق وهو مخصص للقيادة العادية.
- **الارتفاع الهوائي (يخفض السيارة بمقدار 0.6 بوصة [15 مم] تقريباً) –** يؤدي هذا الوضع إلى تحسين الديناميكية الهوائية عن طريق خفض السيارة. ستدخل السيارة إلى الوضع Automatic Aero (الهوائي الأوتوماتيكي) أوتوماتيكياً في حال بقاء سرعة السيارة بين 100 كم/ساعة (62 ميلاً/ساعة) و 106 كم/ساعة

(66 ميلاً/ساعة) لأكثر من 20 ثانية أو إذا تجاوزت سرعة السيارة 106 كم/ساعة (66 ميلاً/ساعة). ستعود السيارة إلى وضع ارتفاع الركوب العادي (NRH) من الوضع Aero (الهوائي) في حالة بقاء سرعة السيارة بين 48 كم/ساعة (30 ميلاً/ساعة) و 56 كم/ساعة (35 ميلاً/ساعة) لأكثر من 20 ثانية أو إذا قلت سرعة السيارة عن 48 كم/ساعة (30 ميلاً/ساعة).

ملاحظة:

- سيتم تعطيل الوضع الهوائي الأوتوماتيكي في حال اكتشاف مقطورة لمنع نقل الأحمال.
- تنطبق حدود السرعة لرفع السيارة أو خفضها فقط في حال تمكين الوضع الهوائي الأوتوماتيكي من خلال إعدادات السيارة في راديو نظام Uconnect.
- للدخول إلى الارتفاع الهوائي يدوياً، ادفع مفتاح محدد الارتفاع لأسفل مرة واحدة من وضع ارتفاع القيادة العادي (NRH) في أي سرعة للسيارة.
- للعودة إلى وضع ارتفاع القيادة العادي (NRH)، ادفع مفتاح محدد الارتفاع مرة واحدة عندما تكون سرعة السيارة أقل من 90 كم/ساعة (56 ميلاً/ساعة).

- يمكن تعطيل الوضع الهوائي الأوتوماتيكي من خلال إعدادات السيارة في راديو Uconnect.

- **ارتفاع Entry/Exit (الدخول/الخروج) (يخفض السيارة بمقدار 73 مم (3 بوصات) تقريباً) –** يؤدي هذا الوضع إلى خفض السيارة لتسهيل دخول الراكب وخروجه بالإضافة إلى خفض السيارة لتسهيل وضع الحمولة وإزالتها. للدخول إلى وضع Entry/Exit (الدخول/الخروج)، ادفع مفتاح محدد الارتفاع لأسفل

مرتين من وضع ارتفاع القيادة العادي (NRH) عندما تكون سرعة السيارة أقل من 53 كم/ساعة (33 ميلاً/الساعة). عندما تقل سرعة السيارة عن 24 كم/ساعة (15 ميلاً/ساعة)، سيبدأ ارتفاع السيارة في الانخفاض. إذا ظلت سرعة السيارة بين 24 كم/ساعة (15 ميلاً/ساعة) و 40 كم/ساعة (25 ميلاً/ساعة) لأكثر من 60 ثانية، أو تجاوزت سرعة السيارة 40 كم/ساعة (25 ميلاً/ساعة) فسيتم إلغاء تغيير وضع Entry/ Exit (الدخول/الخروج). للعودة إلى وضع الارتفاع العادي، ادفع مفتاح محدد الارتفاع لأعلى مرتين أثناء التواجد في وضع Entry/Exit (الدخول/الخروج) أو قيادة السيارة بسرعة أعلى من 24 كم/ساعة (15 ميلاً/الساعة). قد لا يتوفر ارتفاع Entry/Exit (الدخول/الخروج) بسبب الحمولة الصافية للسيارة وستعرض شاشة مجموعة أجهزة القياس رسالة عند حدوث ذلك ➡ صفحة ١٠٦.

تنبيه!

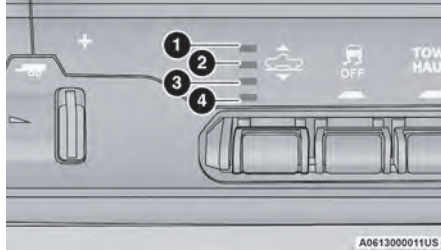
إذا كانت السيارة في ارتفاع Entry/Exit (الدخول/الخروج)، فتوق الحذر بشأن الأشياء المحيطة، فقد لا يكون لديك الخلوص المطلوب لبعض المناطق وقد يحدث تلف للسيارة.

يطلب النظام وجود مفتاح التشغيل في وضع ON/ RUN (التشغيل/ الانطلاق) أو تدوير المحرك من أجل القيام بجميع التغييرات التي يطلبها المستخدم. عند خفض السيارة، يجب إغلاق جميع الأبواب. في حالة فتح أي باب في أي وقت في أثناء خفض السيارة، لن يتم إكمال التغيير حتى يتم إغلاق الباب (الأبواب المفتوحة).

نظام التعليق الهوائي رباعي الزوايا بالمستوى النشط (مجموعة الطرق الوعرة) — إذا كانت السيارة مزودة بذلك

الوصف

يتيح نظام التعليق الهوائي إمكانية موازنة الحمولة كاملة الوقت مع ميزة القدرة على ضبط ارتفاع السيارة عن طريق استخدام مفتاح التبديل.



مفاتيح التحكم في التعليق الهوائي بطراز Rebel

- 1 — مؤشر الطرق غير الممهدة (قابل للتحديد بواسطة العميل)
- 2 — مؤشر ارتفاع الركوب العادي (قابل للتحديد بواسطة العميل)
- 3 — مؤشر الارتفاع الهوائي (قابل للتحديد بواسطة العميل)
- 4 — مؤشر الارتفاع لوضع Entry/Exit (الدخول/الخروج) (قابل للتحديد بواسطة العميل)

- الدخول/الخروج — يضيء مصباح المؤشر 5. يمكن طلب وضع Entry/Exit (الدخول/الخروج) في السرعات التي تزيد عن 53 كم/ساعة (33 ميلاً/الساعة). إذا تم خفض سرعة السيارة إلى 24 كم/ساعة (15 ميلاً/ساعة) وبقيها أدنى من ذلك، فسوف يومض مصباح المؤشر 4 ويظل مصباح المؤشر 5 مضاءً حتى يتم الوصول إلى Entry/Exit (الدخول/الخروج) وعند ذلك ينطفئ مصباح المؤشر 4.
- الوضع الهوائي الأوتوماتيكي — يضيء مصباحا المؤشرين 5 و 4.
- وضع النقل — لن تضيء أي مصابيح مؤشرات. يتم تعطيل وضع النقل عن طريق قيادة السيارة أو تعطيله في إعدادات نظام Uconnect.
- وضع الإطار/الرافعة — سوف يضيء مصباحا المؤشر 5 و 1. يتم تعطيل وضع Tire/Jack (الإطار/الرافعة) عن طريق قيادة السيارة أو تعطيله في إعدادات نظام Uconnect.
- وضع محاذاة العجلات — سوف تضيء مصابيح المؤشرات 3 و 4 و 5. يتم تعطيل وضع Wheel Alignment (محاذاة العجلات) عن طريق قيادة السيارة أو تعطيله في إعدادات نظام Uconnect.

واحد حتى بلوغ الوضع الأقصى لوضع OR2 (الطرق غير الممهدة) أو أعلى وضع مسموح به اعتمادًا على الظروف الحالية (مثل سرعة السيارة، وما إلى ذلك).

يؤدي الضغط على محدد الارتفاع لأسفل مرة واحدة إلى تحريك التعليق لأسفل بمقدار وضع واحد من المستوى الحالي، وذلك بافتراض استيفاء جميع الشروط (على سبيل المثال، الإشعال في وضع ON/RUN (التشغيل/الانطلاق) وتشغيل المحرك وإغلاق الأبواب وعدم تجاوز السرعة للحد المقرر، وما إلى ذلك). يمكن الضغط على مفتاح محدد الارتفاع عدة مرات لأسفل، حيث تؤدي كل ضغطة إلى خفض المستوى المطلوب بمقدار وضع واحد حتى بلوغ الوضع الأدنى لوضع Entry/Exit (الدخول/الخروج) أو أقل وضع مسموح به اعتمادًا على الظروف الحالية (أي سرعة السيارة، وما إلى ذلك).

وتحدث تغييرات الارتفاع الأوتوماتيكية بناءً على سرعة السيارة وارتفاع السيارة الحالي. تعمل مصابيح المؤشر ورسائل شاشة عرض مجموعة أجهزة القياس بنفس الطريقة بالنسبة إلى التغييرات الأوتوماتيكية والتغييرات التي يطلبها المستخدم.

- الطرق غير الممهدة 2 (OR2) — تضيء مصابيح المؤشرات 5 و 4 و 3 و 2 و 1.
- الطرق غير الممهدة 1 (OR1) — تضيء مصابيح المؤشرات 5 و 4 و 3 و 2.
- ارتفاع القيادة العادي (NRH) — تضيء مصابيح المؤشرات 5 و 4 و 3.
- الارتفاع الهوائي — يضيء مصباحا المؤشرين 5 و 4.

ملاحظة:

في حالة النزود براديو مزود بشاشة اللمس، يجب القيام بجميع عمليات التمكين/ التعطيل لمزايا التعليق الهوائي من خلال الراديو ➞ صفحة ٢٢٩.

تحذير!

يستخدم نظام التعليق الهوائي مقدارًا عاليًا من ضغط الهواء لتشغيل النظام. لتجنب حدوث إصابة شخصية أو تلف بالنظام، راجع الوكيل المعتمد للحصول على معلومات حول الصيانة.

أوضاع التعليق الهوائي

يحتوي نظام التعليق الهوائي على أوضاع متعددة لحماية النظام في المواقف الفريدة. يجب أن يكون المحرك قيد التشغيل للتغيير بين أوضاع التعليق الهوائي.

الوضع الهوائي الأوتوماتيكي

لتحسين الديناميكيات الهوائية، يتمتع نظام التعليق الهوائي بميزة تؤدي إلى وضع السيارة في الارتفاع الهوائي تلقائيًا على السرعات العالية ➞ صفحة ١٠٦.

يمكن تعطيل الوضع Aero (الهوائي) الأوتوماتيكي من خلال إعدادات السيارة في راديو Uconnect (إذا كانت السيارة مزودة بذلك) ➞ صفحة ٢٢٩.

Tire Jack Mode (وضع رافعة الإطار)

للمساعدة في تغيير إطار، يتمتع نظام التعليق الهوائي بميزة تتيح تعطيل ضبط المستوى الأوتوماتيكي ➞ صفحة ٢٢٩.

وضع Transport (النقل)

لسحب سيارتك مع رفع العجلات الأربع عن الطريق، يشتمل نظام التعليق الهوائي على ميزة تضع السيارة في وضع ارتفاع Entry/ Exit (الدخول/ الخروج) وتعمل على تعطيل نظام موازنة الحمولة الأوتوماتيكي ➞ صفحة ٢٢٩.

وضع Wheel Alignment (محاذاة العجلات)

قبل إجراء محاذاة العجلات، يجب تمكين هذا الوضع الذي سيضع السيارة في وضع ارتفاع الركوب العادي (NRH) وسيعطل ضبط المستوى التلقائي ➞ صفحة ٢٢٩.

استراتيجية الحماية

من أجل حماية نظام التعليق الهوائي، ستقوم السيارة بتعطيل موازنة الحمولة حسب الحاجة (زيادة الحمولة على نظام التعليق، أو انخفاض شحن البطارية، إلخ). سيتم استئناف موازنة الحمولة بصورة أوتوماتيكية بمجرد استيفاء متطلبات تشغيل النظام. استشر الوكيل المعتمد إذا لم يتم استئناف النظام.

ملاحظة:

للسحب باستخدام التعليق الهوائي ➞ صفحة ٢٠٥.

شاشة عرض مجموعة أجهزة القياس الرسائل

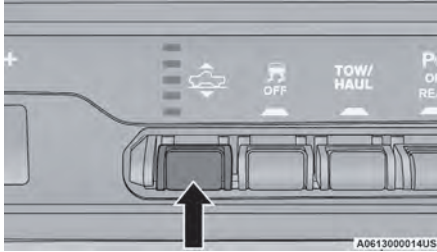
عند توافر الظروف المناسبة، تظهر رسالة في شاشة عرض مجموعة أجهزة القياس ➞ صفحة ١٠٦.

تصدر إشارة صوتية عند اكتشاف خطأ بالنظام.

راجع الوكيل المعتمد لمعرفة خدمة النظام إذا لم يتم استئناف التشغيل العادي.

التشغيل

تضيء مصابيح المؤشر من 1 إلى 5 لعرض الوضع الحالي للسيارة. تعرض مصابيح المؤشر الوامضة الوضع الذي يعمل النظام على الوصول إليه. عند الرفع، في حالة وميض مصابيح مؤشر متعددة، فإن أعلى مصباح مؤشر وامض هو الوضع الذي يعمل النظام على الوصول إليه. عند الخفض، في حالة وميض مؤشرات متعددة، فإن أدنى مصباح مؤشر ثابت الإضاءة هو الوضع الذي يعمل النظام على الوصول إليه.

**مفتاح التعليق الهوائي**

يؤدي الضغط على محدد الارتفاع مرة واحدة إلى تحريك التعليق لأعلى بمقدار وضع واحد من الوضع الحالي، وذلك بافتراض استيفاء كل الشروط (أي وجود الإشعال في وضع ON/RUN (التشغيل/الانطلاق) وتشغيل المحرك وعدم تجاوز السرعة للحد المقرر، وما إلى ذلك). يمكن الضغط على مفتاح محدد الارتفاع عدة مرات لأعلى، حيث تؤدي كل مرة إلى الرفع للمستوى المطلوب بمقدار وضع

يستخدم النظام هذا نمط رفع وخفض يعمل على عدم سطوع الأضواء الأمامية عن طريق الخطأ أمام السيارات القادمة. عند رفع السيارة، يتم رفع مؤخرة السيارة أولاً ثم المقدمة. عند خفض السيارة، يتم خفض المقدمة أولاً ثم المؤخرة.

بعد إيقاف تشغيل المحرك، ربما تتم ملاحظة عمل نظام التعليق الهوائي لفترة قصيرة، وهذا أمر طبيعي. يقوم النظام بتصحيح وضع السيارة لضمان المظهر الصحيح. للمساعدة في تغيير إطار احتياطي، يتمتع نظام التعليق الهوائي بميزة تتيح تعطيل ضبط المستوى الأوتوماتيكي

صفحة ١٠٦.

ارتفاع القيادة الافتراضي:

- حدد وضع Aero Height (الارتفاع الهوائي) أو Normal Ride Height (ارتفاع القيادة العادي) كالوضع الافتراضي لجميع سرعات السيارة وتشغيلها. هذا هو الارتفاع المحدد الذي سيقوم نظام التعليق بتسويته لتغييرات السرعة (على سبيل المثال، الرفع من وضع Entry/Exit Height (ارتفاع الدخول/الخروج) على السرعة، خفض من Entry/Exit Height (ارتفاع الطرق غير الممهدة) على السرعة، إلخ).
- يمكن تغيير ارتفاع القيادة الافتراضي عن طريق ضبط مفتاح نظام التعليق الهوائي يدوياً على Normal Ride Height (ارتفاع القيادة العادي) أو Aero Ride Height (ارتفاع الركوب الهوائي) والبقاء في الارتفاع المحدد لمدة 2.5 ثانية. سيتم تخزينه كارتفاع الركوب الافتراضي وسيتم الحفاظ على الارتفاع حتى يتم تحديد ارتفاع قيادة افتراضي جديد.

كم/ساعة (33 ميلاً/الساعة). عندما تقل سرعة السيارة عن 24 كم/ساعة (15 ميلاً/ساعة)، سيبدأ ارتفاع السيارة في الانخفاض. إذا ظلت سرعة السيارة بين 24 كم/ساعة (15 ميلاً/ساعة) و40 كم/ساعة (25 ميلاً/ساعة) لأكثر من 60 ثانية، أو تجاوزت سرعة السيارة 40 كم/ساعة (25 ميلاً/ساعة) فسيتم إلغاء تغيير وضع Entry/Exit (الدخول/الخروج). للعودة إلى وضع الارتفاع العادي، ادفع مفتاح محدد الارتفاع لأعلى مرة واحدة أثناء التواجد في وضع Entry/Exit (الدخول/الخروج) أو قيادة السيارة بسرعة أعلى من 24 كم/ساعة (15 ميلاً/الساعة).

ملاحظة:

قد يتم تحقيق ارتفاع وضع Entry/Exit (الدخول/الخروج) باستخدام حافظة المفاتيح من أجل تسهيل عملية الدخول/التحميل

تنبيه!

إذا كانت السيارة في ارتفاع Entry/Exit (الدخول/الخروج)، فتوخ الحذر بشأن الأشياء المحيطة، فقد لا يكون لديك الخلوص المطلوب لبعض المناطق وقد يحدث تلف للسيارة.

يتطلب النظام وجود مفتاح التشغيل في وضع ON/ RUN (التشغيل/ الانطلاق) أو تدوير المحرك من أجل القيام بجميع التغييرات التي يطلبها المستخدم. عند خفض السيارة، يجب إغلاق جميع الأبواب. في حالة فتح أي باب في أي وقت في أثناء خفض السيارة، لن يتم إكمال التغيير حتى يتم إغلاق الباب (الأبواب) المفتوح.

ملاحظة:

- سيتم تعطيل الوضع الهوائي الأوتوماتيكي في حال اكتشاف مقطورة لمنع نقل الأحمال.
- تنطبق حدود السرعة لرفع/خفض السيارة أوتوماتيكيًا عند السرعات العالية فقط في حال تمكين الوضع الهوائي الأوتوماتيكي في إعدادات راديو نظام Uconnect.

للدخول إلى الارتفاع الهوائي يدوياً، ادفع مفتاح محدد الارتفاع لأسفل مرة واحدة من وضع ارتفاع القيادة العادي (NRH) في أي سرعة للسيارة. للعودة إلى وضع ارتفاع القيادة العادي (NRH)، ادفع مفتاح محدد الارتفاع مرة واحدة عندما تكون سرعة السيارة أقل من 90 كم/ساعة (56 ميلاً/الساعة).

ملاحظة:

قد يتم تعطيل وضع Automatic Aero Mode (الوضع الهوائي الأوتوماتيكي) من خلال إعدادات السيارة في شاشة مجموعة أجهزة القياس

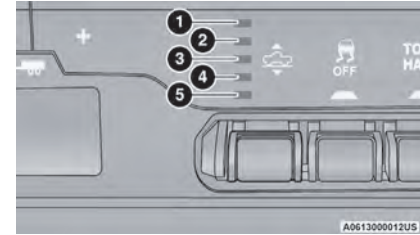
صفحة ١٠٦ أو من خلال راديو Uconnect الخاص بك (إذا كانت السيارة مزودة به) صفحة ٢٢٩.

- **ارتفاع Entry/Exit (الدخول/الخروج) (يخفض السيارة بمقدار 51 مم [بوصتين] تقريباً) – يؤدي هذا الوضع إلى خفض السيارة لتسهيل دخول الركاب وخروجه بالإضافة إلى خفض السيارة لتسهيل وضع الحمولة وإزالتها. للدخول إلى وضع Entry/Exit (الدخول/الخروج)، اضغط على مفتاح محدد الارتفاع لأسفل مرة واحدة من وضع NRH (ارتفاع الركوب العادي) عندما تكون سرعة السيارة أقل من 53**

نظام التعليق الهوائي رباعي الزوايا بالمستوى النشط — إذا كانت السيارة مزودة بذلك

الوصف

يتيح نظام التعليق الهوائي إمكانية موازنة الحمولة كاملة الوقت مع ميزة القدرة على ضبط ارتفاع السيارة عن طريق استخدام مفتاح التبديل.



مفتاح التعليق الهوائي

- 1 — مؤشر الطرق غير الممهدة 2 (قابل للتحديد بواسطة العميل)
- 2 — مؤشر الطرق غير الممهدة 1 (قابل للتحديد بواسطة العميل)
- 3 — مؤشر ارتفاع الركوب العادي (قابل للتحديد بواسطة العميل)
- 4 — مؤشر الارتفاع الهوائي (قابل للتحديد بواسطة العميل)
- 5 — مؤشر الارتفاع لوضع Entry/Exit (الدخول/الخروج) (قابل للتحديد بواسطة العميل)

- **الطرق غير الممهدة 2 (OR2) (رفع السيارة لممسافة 51 مم (بوصتين) تقريباً) —** هذا الوضع مخصص للاستخدام على الطرق غير الممهدة فقط حيث يلزم توفر أقصى خلوص أرضي. للدخول في وضع OR2 (الطرق غير الممهدة 2)، اضغط على مفتاح تحديد الارتفاع لأعلى مرتين من وضع ارتفاع الركوب العادي (NRH) أو مرة واحدة من وضع OR1 (الطرق غير الممهدة 1) مع انخفاض سرعة السيارة عن 32 كم/ساعة (20 ميلاً/ساعة). أثناء تشغيل وضع OR2، إذا تجاوزت سرعة السيارة 40 كم/ساعة (25 ميلاً/ساعة)، فسيتم خفض ارتفاع السيارة أوتوماتيكياً إلى وضع OR1. قد لا يتوفر وضع Off-Road 2 (الطرق الوعرة 2) بسبب الحمولة الصافية للسيارة، ستعرض مجموعة أجهزة القياس رسالة عند حدوث ذلك [صفحة ١٠٦](#).

تنبيه!
إذا كانت السيارة في إعداد Off-Road 1 (الطرق غير الممهدة 1) أو Off-Road 2 (الطرق غير الممهدة 2)، فتوخ الحذر بشأن الأشياء المحيطة، فقد لا يكون لديك الخلوص المطلوب لبعض المناطق وقد يحدث تلف للسيارة.

- **الطرق غير الممهدة 1 (OR1) (يرفع السيارة 26 مم [بوصة واحدة] تقريباً) —** هذا هو الوضع الأساسي لجميع أنواع القيادة على الطرق غير الوعرة حتى تحتاج إلى وضع OR2 (الطرق الوعرة 2). سيؤدي ذلك إلى قيادة أكثر راحة وسلاسة. للدخول إلى وضع OR1 (الطرق غير الممهدة 1)، ادفع مفتاح محدد الارتفاع

لأعلى مرة واحدة من وضع ارتفاع القيادة العادي (NRH) عندما تكون سرعة السيارة أقل من 56 كم/ساعة (35 ميلاً/ساعة). في وضع OR1، إذا ظلت سرعة السيارة بين 64 كم/ساعة (40 ميلاً/ساعة) و 80 كم/ساعة (50 ميلاً/ساعة) لأكثر من 20 ثانية أو إذا تجاوزت سرعة السيارة 80 كم/ساعة (50 ميلاً/ساعة)، فسيتم خفض السيارة أوتوماتيكياً إلى ارتفاع الركوب العادي (NRH). قد لا يتوفر وضع Off-Road 1 (الطرق الوعرة 2) بسبب الحمولة الصافية للسيارة، ستعرض مجموعة أجهزة القياس رسالة عند حدوث ذلك [صفحة ١٠٦](#).

- **ارتفاع القيادة العادي (NRH) —** هذا هو الوضع القياسي للتعليق وهو مخصص للقيادة العادية.
- **الارتفاع الهوائي (يخفض السيارة بمقدار 15 مم [0.6 بوصة] تقريباً) —** يؤدي هذا الوضع إلى تحسين الديناميكية الهوائية عن طريق خفض السيارة. ستدخل السيارة إلى الوضع Automatic Aero (الهوائي الأوتوماتيكي) أوتوماتيكياً في حال بقاء سرعة السيارة بين 100 كم/ساعة (62 ميلاً/ساعة) و 106 كم/ساعة (66 ميلاً/ساعة) لأكثر من 20 ثانية أو إذا تجاوزت سرعة السيارة 106 كم/ساعة (66 ميلاً/ساعة). ستعود السيارة إلى وضع ارتفاع الركوب العادي (NRH) من الوضع Aero (الهوائي) في حالة بقاء سرعة السيارة بين 48 كم/ساعة (30 ميلاً/ساعة) و 56 كم/ساعة (35 ميلاً/ساعة) لأكثر من 20 ثانية أو إذا قلت سرعة السيارة عن 48 كم/ساعة (30 ميلاً/ساعة).

سيكون نظام التحكم في الانطلاق نشطاً حتى تصل السيارة إلى سرعة 100 كم/ساعة (62 ميلاً في الساعة)، عند النقطة التي يعود فيها نظام التحكم في الاستقرار الإلكتروني (ESC) إلى وضع نظام التحكم في الاستقرار الإلكتروني (ESC) الحالي بالإضافة إلى وضع القيادة السابق.

سيتم إيقاف الانطلاق قبل إكمال الانطلاق وسيتم عرض الرسالة "Launch Aborted" (تم إيقاف الانطلاق) في مجموعة أجهزة القياس عند حدوث أي مما يلي:

- تم تحرير دواسة الوقود أثناء الانطلاق.
- اكتشاف ESC (نظام التحكم في الاستقرار الإلكتروني) أن السيارة لم تعد تتحرك في خط مستقيم.
- الضغط على زر ESC OFF (إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني) لتبديل النظام إلى وضع آخر.

تنبيه!

لا تحاول نقل التروس عند دوران عجلات القيادة مع عدم تشغيل الجر. حيث قد يحدث تلف لنقل الحركة.

3. اضغط على زر LAUNCH (الانطلاق) على مفتاح التحكم في طراز TRX أو اضغط على زر Activate Launch Control (تنشيط التحكم في الانطلاق) على شاشة اللمس؛ اتبع التعليمات على شاشة عرض مجموعة أجهزة القياس.
 - تأكد من أن السيارة لا تتحرك
 - ضع السيارة في الترس الأول أو وضع Drive (القيادة)
 - يجب ضبط اتجاه عجلة القيادة في خط مستقيم
 - يجب أن تكون السيارة على سطح مستو
 - استخدم ضغط الفرامل
 - أثناء تثبيت الفرامل، اضغط مع الاستمرار على دواسة الوقود سريعاً لفتح صمام الاختناق بشكل واسع. سوف تثبت سرعة المحرك عند عدد الدورات في الدقيقة الذي تم ضبطه في شاشة "Launch RPM Set-up" (إعداد عدد الدورات في الدقيقة عند الانطلاق).

ملاحظة:

ستظهر الرسائل في شاشة عرض مجموعة أجهزة القياس لإخطار السائق إذا لم يتم استيفاء حالة واحدة أو أكثر من الحالات الواردة أعلاه.

4. عند استيفاء الحالات الواردة أعلاه، سيظهر على شاشة عرض مجموعة أجهزة القياس "Release" (حرر الفرامل).
5. حافظ على توجيه السيارة في خط مستقيم.

- لا يتوفر وضع التحكم في الانطلاق في أول 500 ميل (805 كم) من تليين المحرك.
- يجب أن يستخدم نظام Launch Control (التحكم في الانطلاق) عندما يكون المحرك وناقل الحركة في درجة حرارة التشغيل فقط.
- تم تصميم Launch Control (التحكم في الانطلاق) للاستخدام على الطرق الجافة الأسفلتية فقط.

تنبيه!

قد يتسبب استخدامه على الأسطح الزلقة أو الرخوة في إتلاف مكونات السيارة وغير موصى به.

- لا يتوفر التحكم في الانطلاق أثناء تشغيل نطاق 4WD LOW (الدفع الرباعي المنخفض).
- يتوفر Launch Control (التحكم في الانطلاق) عند اتباع الإجراء التالي فقط:

ملاحظة:

يعد الضغط على زر TRX في مفتاح التحكم أو الضغط على زر Apps (التطبيقات) في شاشة اللمس خيارين آخرين للوصول إلى ميزات التحكم في الانطلاق [صفحة ٢٥٦](#).

1. اضغط على زر Race Options (خيارات السباق) على شاشة اللمس.
2. اضغط على زر Launch Control (التحكم في الانطلاق) على شاشة اللمس. تسمح لك هذه الشاشة بضبط عدد الدورات في الدقيقة عند الانطلاق للحصول على أفضل انطلاق/جر.

- **وضع Baja** (متوفر في أوضاع القيادة AUTO (الأوتوماتيكي) وCUSTOM (المخصص) وMUD/SAND (الوحل/الرمل) وROCK (الصخور) وBAJA). — محسن للقيادة بسرعة عالية على الطرق غير الممهدة.

التحكم في الانطلاق

إذا كانت السيارة مزودة بنظام Launch Control (التحكم في الانطلاق) وهو مصمم للسماح للسائق بالوصول إلى أقصى تسارع للسيارة في خط مستقيم. يعد نظام Launch Control (التحكم في الانطلاق) شكلًا من أشكال التحكم في الجر الذي يدير انزلاق الإطار أثناء انطلاق السيارة. تم تصميم هذه الميزة للاستخدام خارج الطرق السريعة حيث يكون أقصى حد للتسارع مطلوبًا. لم يتم تصميم النظام لتعويض نقص خبرة السائق أو نقص معرفته بالتضاريس. قد يتسبب استخدام هذه الميزة في ظروف الجر المنخفضة (البوردة والرطوبة والحصى، وغيرها) في زيادة انزلاق العجلة خارج تحكم هذا النظام، الأمر الذي يؤدي إلى إيقاف الانطلاق.

ملاحظة:

يتيح لك نظام التحكم في الانطلاق تحديد أفضل ظروف تشغيل للسيارة والبيئة والجر. عند استخدام هذه الميزة، ابدأ بإعداد انطلاق منخفض لعدد الدورات في الدقيقة وقم بزيادة عدد الدورات في الدقيقة عند مرات التشغيل اللاحقة إلى أن يتم تحديد أفضل تجربة انطلاق.

شروط مسبقة:

- يجب ألا يستخدم التحكم في الانطلاق على الطرق العامة. تحقق دائمًا من ظروف السطح والمنطقة المحيطة.

- **BAJA** — يوفر هذا الوضع بديلًا مثاليًا لنقل الحركة للحفاظ على المحرك في نطاق القدرة لتوفير أفضل أداء. يتم ضبط مجموعة نقل الحركة والتوجيه والتعليق بصورة نشطة للحصول على السلوك الديناميكي الأمثل للسيارة على التضاريس المختلفة. سيتم ضبط هذه الميزة على AUTO (أوتوماتيكي) في دورة التشغيل. لا يتوفر وضع BAJA أثناء تنشيط وضع 4WD LOW (الدفع الرباعي المنخفض).

للحصول على مزيد من المعلومات والوصف، صفحة ٢٥٦.

نظام التخميد التكيفي

هذه السيارة مزودة بنظام تخميد يتم التحكم فيه إلكترونيًا. يقوم هذا النظام بتقليل انزلاق وتآرجح جسم السيارة في العديد من مواقف القيادة والتي تشمل التسارع والفرملة. توجد ثلاثة أوضاع:

- **وضع Street** (الشارع) (متوفر في أوضاع القيادة AUTO (الأوتوماتيكي) وSNOW (الثلج) وCUSTOM (المخصص)). — يُستخدم أثناء سرعات الطرق السريعة عند الرغبة في الإحساس بتعليق ناعم.

- **وضع Street** (الشارع) (متوفر في أوضاع القيادة SPORT (الرياضة) وTOW (السحب) وAUTO (الأوتوماتيكي) وCUSTOM (المخصص)). — يوفر تعليقًا قويًا للحصول على تحكم أفضل أثناء القيادة على الطرق غير الممهدة.

- **CUSTOM** (المخصص) — يسمح هذا الوضع للسائق بإنشاء تهيئة مخصصة للسيارة ويتم حفظها لتحديد الإعدادات المفضلة بسرعة. سيعود النظام إلى وضع AUTO (أوتوماتيكي) عند تدوير مفتاح التشغيل من وضع RUN (الانطلاق) إلى وضع OFF (إيقاف التشغيل) إلى وضع RUN (الانطلاق)، في حالة تحديد هذا الوضع. أثناء تنشيط الوضع CUSTOM (المخصص)، قد تتم تهيئة إعدادات الثبات ونقل الحركة والتوجيه والتعليق وأذرع التبديل من خلال إعداد الوضع المخصص. سيتم إعادة ضبط هذه الميزة على AUTO (الأوتوماتيكي) عند بدء دورة التشغيل إذا لم تكن في وضع 4WD LOW (الدفع الرباعي المنخفض).

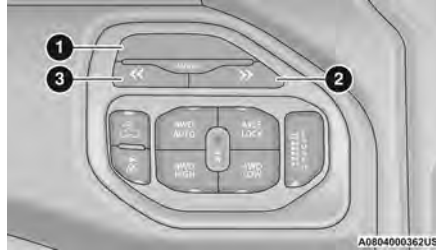
- **MUD/SAND** (الوحل/الرمال) — يزيد هذا الوضع الجر إلى أقصى حد مع تقسيم عزم الدوران بالتساوي على العجلات الخلفية والأمامية. يتم تقليل تدخل التحكم في الجر للسماح بأقصى أداء على الوحل أو الرمال. سيتم إعادة ضبط هذه الميزة على AUTO (الأوتوماتيكي) عند بدء دورة التشغيل إذا لم تكن في وضع 4WD LOW (الدفع الرباعي المنخفض).

- **ROCK** (الصخور) — يزيد هذا الوضع من كفاءة التحرك على الصخور إلى أقصى حد من خلال زيادة عزم دوران العجلات باستخدام وضع 4WD LOW (الدفع الرباعي المنخفض). يتم تحسين التوجيه وصمام الاختناق لتوفير القيادة بسرعة منخفضة. لا يمكن استخدام هذا الوضع إلا عند القيادة بسرعات أقل من 48 كم/الساعة (30 ميلًا في الساعة).

- وضع **SNOW (الثلج)** – يزيد هذا الوضع الجر والثبات إلى أقصى حد مع تقسيم عزم الدوران بالتساوي بين العجلات الخلفية والأمامية. ينتقل ناقل الحركة افتراضياً إلى التبديل المبكر ويتم تخفيف استجابة صمام اختناق المحرك لتقليل انزلاق العجلات. لا يستخدم وضع **SNOW (الثلج)** إلا بغرض المساعدة ولا يعد بديلاً لممارسات القيادة الآمنة أثناء الطقس شديد البرودة. ستتم إعادة ضبط هذه الميزة على **AUTO** (الأوتوماتيكي) ما إن يتم بدء دورة التشغيل إذا لم تكن في وضع **4WD LOW** (الدفع الرباعي المنخفض).
- **TOW (السحب)** – يقلل هذا الوضع من تغييرات ترس ناقل الحركة ويقوم بتكثيف التعليق على السحب أو نقل الأحمال الثقيلة. يتم تقسيم عزم دوران القيادة بالتساوي بين العجلات الخلفية والأمامية لتحسين الجر. ستتم إعادة ضبط هذه الميزة على **AUTO** (الأوتوماتيكي) ما إن يتم بدء دورة التشغيل إذا لم تكن في وضع **4WD LOW** (الدفع الرباعي المنخفض).
- **SPORT (الرياضة)** – يحسّن هذا الوضع القدرة على النقل من خلال تقسيم عزم الدوران على العجلات الأمامية والخلفية وزيادة التحكم في التعليق. يوفر ناقل الحركة عمليات تبديل أسرع وأكثر ثباتاً. تتم زيادة قوة التوجيه لتحسين التحكم والتغذية الراجعة. سيتم ضبط هذه الميزة على **AUTO** (أوتوماتيكي) في دورة التشغيل. لا يتوفر وضع **SPORT (الرياضة)** أثناء تنشيط وضع **4WD LOW** (الدفع الرباعي المنخفض).

أوضاع TRX الوصف

تجمع أوضاع TRX بين إمكانيات أنظمة التحكم في السيارة والإجراءات الخاصة بالسائق، لتقديم أفضل أداء في جميع أنواع التضاريس. استخدم زر TRX وأسهم التحديد لتحديد الوضع المطلوب.



زر TRX (المزامنة)

- 1 — زر TRX (موافق)
- 2 — سهم Right (يمين)
- 3 — سهم Left (يسار)

تتكون أوضاع TRX من الأوضاع التالية:

- **AUTO (الأوتوماتيكي)** – تم تصميم هذا الوضع للقيادة النموذجية على الطرق الممهدة باستخدام الإعدادات الافتراضية.

- قيادة السيارة بسرعة أكبر من 64 كم/ساعة (40 ميلاً/الساعة). يتم الخروج من نظام التحكم في تحديد السرعة فوراً.

ملاحظات للسائق

- تحتوي مجموعة أجهزة القياس على رمز **SSC** ومفتاح **SSC** والذي يحتوي على مصباح والذي يوفر ملاحظات للسائق حول الحالة التي يتواجد عليها نظام التحكم في تحديد السرعة (**SSC**).
- سوف يضيء رمز مجموعة القياس ومصباح المفتاح وتظل الإضاءة ثابتة عندما يتم تمكين نظام التحكم في تحديد السرعة (**SSC**) أو تنشيطه. تعتبر هذه ظروف التشغيل العادية لنظام التحكم في تحديد السرعة (**SSC**).
- سوف يومض رمز مجموعة القياس ومصباح المفتاح لعدة ثوانٍ ثم ينطفئ عندما يقوم السائق بالضغط على مفتاح **HDC** ولكن لا يتم الوفاء بشروط التمكن.
- سوف يومض رمز مجموعة القياس ومصباح المفتاح لعدة ثوانٍ ثم ينطفئ عندما يتم تعطيل نظام التحكم في تحديد السرعة (**SSC**) بسبب تجاوز السرعة.
- سوف يومض رمز مجموعة أجهزة القياس ومصباح المفتاح، ثم ينطفئ عند إلغاء تنشيط نظام التحكم في تحديد السرعة (**SSC**) نتيجة لارتفاع حرارة الفرامل.

تحذير!

إن نظام التحكم في تحديد السرعة (**SSC**) مخصص فقط لمساعدة السائق في التحكم في سرعة السيارة أثناء القيادة على الطرق غير الممهدة. وعلى السائق أن يبقى منتبهاً لظروف القيادة ويعتبر مسؤولاً عن الحفاظ على سرعة آمنة للسيارة.

تمكين نظام التحكم في تحديد السرعة (SSC)

يتم تمكين نظام التحكم في تحديد السرعة (SSC) من خلال الضغط على زر SSC (التحكم في تحديد السرعة) عند استيفاء الشروط التالية:

- مجموعة القيادة في نطاق 4WD LOW (الدفع الرباعي المنخفض).
- سرعة السيارة أقل من 8 كم/ساعة (5 أميال/ساعة).
- فرامل التوقف محررة.
- باب السائق مغلق.
- السائق لم يستخدم صمام الاختناق.

تم تنشيط نظام التحكم في تحديد السرعة (SSC)

بمجرد تمكين نظام التحكم في تحديد السرعة (SSC) سوف يتم تنشيطه أوتوماتيكياً بمجرد الوفاء بالشروط التالية:

- يحرك السائق صمام الاختناق.
- يحرك السائق الفرامل.
- ناقل الحركة في أي تحديد بخلاف وضع PARK (التوقف).

- سرعة السيارة أقل من 32 كم/ساعة (20 ميلاً/ساعة).

تكون السرعة المضبوطة لنظام التحكم في تحديد السرعة (SSC) قابلة للتحديد بواسطة السائق ويمكن ضبطها باستخدام أذرع التبديل أو تبديل التروس (+/-) على عجلة القيادة. علاوة على ذلك، يتم خفض السرعة المضبوطة لنظام التحكم في تحديد السرعة (SSC) عند صعود منحدر ويعتمد مستوى انخفاض السرعة المضبوطة على مدى ارتفاع المنحدر. يلخص ما يلي السرعات المضبوطة لنظام التحكم في تحديد السرعة (SSC):

السرعات المضبوطة والمستهدفة لنظام التحكم في النزول من المرتفعات (SSC)

- 1st (الترس الأول) = 1 كم/ساعة (0.6 ميل/ساعة)
- 2nd (الترس الثاني) = 1.2 ميل/الساعة (2 كم/ساعة)
- 3rd (الترس الثالث) = 1.8 ميل/الساعة (3 كم/ساعة)
- 4th (الترس الرابع) = 2.5 ميلاً/الساعة (4 كم/ساعة)
- 5th (الترس الخامس) = 5 كم/ساعة (3.1 ميل/ساعة)
- 6th (الترس السادس) = 3.7 أميال/الساعة (6 كم/ساعة)
- 7th (الترس السابع) = 7 كم/ساعة (4.3 أميال/ساعة)
- 8th (الترس الثامن) = 8 كم/ساعة (5 أميال/ساعة)
- R (الرجوع للخلف) = 1 كم/ساعة (0.6 ميل/ساعة)
- NEUTRAL (اللاتعشيق) = 2 كم/ساعة (1.2 ميل/ساعة)
- PARK (التوقف) = بظل نظام التحكم في تحديد السرعة (SSC) مُمكنًا ولكنه غير نشط

ملاحظة:

- أثناء تشغيل نظام التحكم في تحديد السرعة (SSC)، يتم استخدام إدخال محدد التروس (+/-) لتحديد السرعة المطلوبة لنظام التحكم في تحديد السرعة (SSC)، ولن يتأثر الترس المحدد بواسطة ناقل الحركة. أثناء التحكم في تحديد السرعة (SSC) بصورة نشطة، سيتم نقل ناقل الحركة بصورة مناسبة للسرعة المضبوطة المحددة من قِبل السائق مع ظروف القيادة المناسبة.

- يتأثر تشغيل نظام التحكم في تحديد السرعة (SSC) إذا تم تنشيط أحد أوضاع القيادة. قد تكون الاختلافات واضحة للسائق كلما تغير مستوى الحدة.

التجاوز من قِبل السائق

قد يقوم السائق بتجاوز تنشيط نظام التحكم في تحديد السرعة (SSC) باستخدام صمام الاختناق أو الفرامل أي وقت.

إلغاء تنشيط نظام التحكم في تحديد السرعة (SSC)

سيتم إلغاء تنشيط نظام التحكم في تحديد السرعة (SSC) ولكن سيظل متاحاً في حالة حدوث أي من الحالات التالية:

- تجاوز السائق السرعة المضبوطة لنظام التحكم في تحديد السرعة (SSC) باستخدام صمام الاختناق أو الفرامل.

- تجاوزت سرعة السيارة 32 كم/ساعة (20 ميلاً/ساعة) ولكنها ظلت أقل من 64 كم/ساعة (40 ميلاً/ساعة).
- نقل السيارة إلى وضع PARK (التوقف).

تعطيل نظام التحكم في تحديد السرعة (SSC)

سيتم إلغاء تنشيط نظام التحكم في تحديد السرعة (SSC) ويصبح معطلاً في حالة حدوث أي من الحالات التالية:

- قيام السائق بالضغط على زر SSC.
- نقل مجموعة القيادة خارج نطاق 4WD LOW (الدفع الرباعي المنخفض).
- تم استخدام فرامل التوقف.
- يتم فتح باب السائق.
- قيادة السيارة بسرعة أكبر من 32 كم/ساعة (20 ميلاً/الساعة) لمدة تزيد عن 70 ثانية.

ملاحظة:

لن يسمح نظام الدفع الرباعي بالتبديل بين وضع 2WD/4WD HIGH (الدفع الثنائي/الدفع الرباعي العالي) إذا كانت العجلات الأمامية و/أو الخلفية تدور بسرعة (دون جر). في هذا الموقف، سيومض ضوء مؤشر الوضع المحدد وسيظل ضوء مؤشر الوضع الأصلي مضاءً. في هذا الوقت، قم بخفض السرعة وأوقف دوران العجلات لإكمال النقل.

الدفع الثنائي (2WD) أو الدفع الرباعي (4WD) المرتفع إلى الدفع الرباعي (4WD) المنخفض

ملاحظة:

عند النقل إلى ترس الدفع الرباعي المنخفض أو منه قد يتم سماع بعض الأصوات من التروس. وتعتبر هذه الأصوات طبيعية ولا تسبب ضرراً للسيارة أو الركاب. ويمكن القيام بالنقل أثناء سير السيارة بسرعة تتراوح من 3 إلى 5 كيلومتر في الساعة (من 2 إلى 3 أميال في الساعة) أو أثناء توقف السيارة تماماً. يمكنك استخدام أي من الإجراءات التالية:

الإجراء المفضل

1. أثناء تشغيل المحرك، قم بخفض سرعة السيارة إلى نطاق يتراوح من 3 إلى 5 كم/ساعة (2 إلى 3 أميال/ساعة).
2. نقل ناقل الحركة إلى وضع NEUTRAL (اللاتعشيق).
3. أثناء تشغيل السيارة، اضغط على الوضع المطلوب بمفتاح التحكم في علبة النقل.
4. بعد إضاءة (وليس وميض) ضوء مؤشر الوضع المطلوب، انقل ناقل الحركة إلى ترس منخفض.

الإجراء البديل

1. أوقف السيارة تماماً.
2. عندما يكون مفتاح التشغيل في الوضع ON/RUN (التشغيل/الانطلاق) والمحرك قيد التشغيل، انقل ناقل الحركة إلى وضع NEUTRAL (اللاتعشيق).
3. اضغط على الوضع المطلوب بمفتاح التحكم في علبة النقل.
4. بعد إضاءة (وليس وميض) ضوء مؤشر الوضع المطلوب، انقل ناقل الحركة إلى ترس منخفض.

ملاحظة:

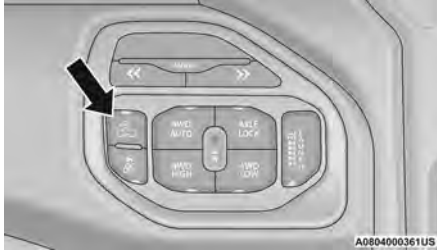
- إذا لم يتم تنفيذ الخطوة الأولى أو الثانية من الإجراء المفضل أو البديل قبل محاولة النقل، فعندئذ سيومض ضوء مؤشر الوضع المطلوب بشكل مستمر بينما يكون ضوء مؤشر الوضع الأصلي مضاءً، حتى استيفاء جميع المتطلبات.
- يجب أن يكون مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق) حتى يتم النقل وحتى يضيء ضوء مؤشر الوضع. إذا لم يكن المفتاح في وضع ON/RUN (التشغيل/الانطلاق) فلن يحدث النقل ولن تضاء أو تومض أية أضواء مؤشر الوضع.

التحكم في تحديد السرعة (SSC)

إن نظام التحكم في تحديد السرعة (SSC) مخصص للاستخدام في الطرق غير الممهدة أثناء التواجد في وضع 4WD LOW (الدفع الرباعي المنخفض) فقط. يحافظ نظام التحكم في تحديد السرعة (SSC) على سرعة السيارة بالتحكم بصورة فعالة في عزم المحرك والفرامل.

ملاحظة:

بالنسبة إلى السيارات غير المزودة بنظام التحكم في توجيه رجوع المقطورة للخلف (TRSC)، يوجد زر SSC (التحكم في تحديد السرعة) على صف المفاتيح أسفل شاشة الراديو.

**زر التحكم في تحديد السرعة**

يشتمل نظام التحكم في تحديد السرعة (SSC) على ثلاث حالات:

1. Off (إيقاف) (الميزة غير ممكنة ولن يتم تنشيطها)
2. Enabled (ممكنة) (الميزة ممكنة وجاهزة ولكن لم تتحقق شروط التنشيط أو قام السائق بالتجاوز بصورة فعالة باستخدام الفرامل أو استخدام صمام الاختناق)
3. Active (نشطة) (الميزة ممكنة وتقوم بصورة فعالة بالتحكم في سرعة السيارة)

مصابيح مؤشر وضع علبة النقل

توجد مصابيح مؤشر وضع علبة النقل (4WD HIGH) (الدفع الرباعي العالي) و (4WD LOW) (الدفع الرباعي المنخفض)) في مجموعة أجهزة القياس، وهي تشير إلى تحديدات علبة النقل الحالية والمروية. عند اختيارك لوضع علبة نقل مختلف، يتم ما يلي فيما يتعلق بأضواء المؤشر:

1. يتوقف تشغيل ضوء مؤشر الوضع الحالي.
2. يومض ضوء مؤشر الوضع المحدد حتى تكمل علبة النقل إجراء النقل.
3. عند اكتمال النقل، يتوقف ضوء المؤشر الخاص بالوضع المحدد عن الوميض ويبقى مضاءً إضاءة ثابتة.

إذا لم تنتقل علبة النقل إلى الوضع المطلوب، فقد يقع واحد أو أكثر من الأحداث الآتية:

1. سيبقى ضوء المؤشر للوضع الحالي مضاءً إضاءة ثابتة.
2. يستمر ضوء المؤشر الجديد في الوميض.
3. إذا لم تنتقل علبة النقل، فستظهر رسالة في المجموعة تفيد أنه تم إلغاء نقل الدفع الرباعي (4WD).

ملاحظة:

قبل إعادة محاولة تحديد وضع جديد، تأكد من توافر كافة المتطلبات الضرورية لتحديد هذا الوضع الجديد لعبلة النقل. لمحاولة إجراء التحديد مرة أخرى، اضغط على الوضع الحالي، وانتظر لمدة خمس ثوان ثم أعد التحديد مرة أخرى. للعثور على متطلبات النقل، صفحة ١٥١.

يراقب ضوء تحذير صيانة الدفع الرباعي SERV 4WD نظام الدفع الرباعي للنقل الإلكتروني. إذا ظل هذا المصباح مضاءً بعد تشغيل المحرك أو إذا أضاء أثناء القيادة، فهذا يعني أن نظام الدفع الرباعي لا يعمل بشكل صحيح وأنه تجب صيانة النظام.

تحذير!

قم دائمًا بتعشيق فرامل التوقف عند إيقاف تشغيل السيارة إذا كان "مصباح تحذير صيانة الدفع الرباعي SERV 4WD" مضاءً. قد يؤدي عدم تعشيق فرامل التوقف إلى السماح بانقلاب السيارة مما قد يؤدي إلى حدوث إصابة شخصية أو الوفاة.

ملاحظة:

لا تحاول نقل السرعة عند التدوير السريع للعجلات الأمامية أو الخلفية فقط. قد يتسبب ذلك في تلف مكونات مجموعة الدفع والحركة.

عند تشغيل السيارة في وضع 4WD LOW (الدفع الرباعي المنخفض)، تصبح سرعة المحرك نحو ثلاثة أضعاف سرعة وضع 4WD AUTO (الدفع الرباعي الأوتوماتيكي) أو 4WD HIGH (الدفع الرباعي العالي) في سرعة معينة للقيادة على الطريق. احترس من زيادة سرعة المحرك ولا تتجاوز سرعة 88 كم/الساعة (55 ميلاً/الساعة).

يعتمد التشغيل الصحيح لسيارات الدفع الرباعي على الإطارات ذات الحجم والنوع ومحيط العجلة المتساوي. قد يؤدي أي تغيير في حجم الإطارات إلى تلف مجموعة الدفع والحركة.

نظرًا لأن الدفع الرباعي يوفر جُزًا محسّنًا، تميل سيارات الدفع الرباعي إلى تجاوز سرعات الانعطاف والتوقف. لا تقد السيارة بسرعات لا تسمح بها ظروف الطريق.

إجراءات نقل السرعة

- في حالة عدم تلبية أي من متطلبات تحديد وضع علبة نقل جديد، لن يتم نقل ترس علبة النقل. سيبقى ضوء مؤشر الوضع السابق مضاءً وسيستمر وميض ضوء مؤشر الوضع المحدد الجديد حتى يتم استيفاء جميع متطلباته.
- إذا توافرت كافة متطلبات تحديد وضع علبة نقل جديد، فسيتوقف تشغيل ضوء مؤشر الوضع الحالي عن الوميض وسيومض ضوء مؤشر الوضع المحدد حتى تكمل علبة النقل إجراء النقل. وعند اكتمال النقل، يتوقف ضوء مؤشر الوضع المحدد عن الوميض ويبقى مضاءً.

التبديل من الدفع الثاني (2WD) إلى الدفع الرباعي العالي (4WD HIGH)

اضغط على الوضع المطلوب على مفتاح four-wheel drive control (التحكم في الدفع الرباعي) لنقل علبة النقل. يمكن التبديل بين وضع 2WD و 4WD HIGH (الدفع الرباعي العالي) أثناء توقف السيارة أو أثناء سيرها. أثناء سير السيارة، يتم تعشيق علبة النقل وتحريرها بشكل أسرع عند تحرير دواسة البنزين للحظات بعد إدارة مفتاح التحكم. وإذا كانت السيارة متوقفة، يجب أن يكون مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق) مع تشغيل المحرك أو إيقاف تشغيله. لا يمكن إكمال هذا النقل إذا كان مفتاح التشغيل في وضع ACC (الملحقات).

تم تصميم علبة النقل الإلكتروني هذه لاستخدامها في وضع 4WD AUTO (الدفع الرباعي الأوتوماتيكي) للقيادة على الطرق العادية والسريعة ذات الأسطح الصلبة والجافة.

عند الحاجة إلى مزيد من طاقة الجر، يمكن استخدام وضعي علبة النقل 4WD HIGH (النطاق العالي لنظام الدفع الرباعي) و 4WD LOW (النطاق المنخفض لنظام الدفع الرباعي) لمضاعفة العزم بعمود التوجيه الأمامي ولإجبار العجلات الأمامية والخلفية على الدوران بنفس السرعة. ويتم ذلك عن طريق الضغط على الوضع المطلوب على مفتاح 4WD Control (التحكم في الدفع الرباعي).

لمعرفة تعليمات النقل النوعية ١٥١ صفحة ١٥١.

والموضعان 4WD HIGH (النطاق المرتفع لنظام الدفع الرباعي) و 4WD LOW (النطاق المنخفض لنظام الدفع الرباعي) مصممان للقيادة على الطرق ذات الأسطح السائبة والزلقة فقط. وقد تتسبب القيادة في وضعي 4WD HIGH (الدفع الرباعي المرتفع) و 4WD LOW (الدفع الرباعي المنخفض) على الطرق الجافة الصلبة في زيادة بلى الإطارات وتلف مكونات مجموعة القيادة.

ملاحظة:

يوجد زر وضع N (اللاتعشيق) الخاص بعلبة النقل في وسط مفتاح التحكم في نظام الدفع الرباعي (4WD) ويتم الضغط عليه باستخدام قلم بسن كروي أو أداة مشابهة. ويُستخدم وضع N (اللاتعشيق) لعلبة النقل في الجر من أجل الاستجمام فقط.

النطاق. يؤدي استخدام وضع 4WD LOW (الدفع الرباعي المنخفض) على أسطح الطرق الممهدة الجافة إلى زيادة تآكل الإطار وقد يؤدي إلى تلف مكونات مجموعة نقل الحركة.

N (المحايد)

N (المحايد) — يفصل هذا النطاق كلاً من عمودي التوجيه الأمامي والخلفي من مجموعة الدفع والحركة. للاستخدام للسحب المسطح خلف سيارة أخرى.

تحذير!

- فقد تتعرض أنت أو الآخرون للإصابة أو الوفاة إذا تركت السيارة دون رقابة مع وجود علبة النقل في وضع N (اللاتعشيق) دون استخدام فرامل التوقف أولاً بشكل كامل. يقوم وضع N (اللاتعشيق) لعلبة النقل بفصل كل من عمودي الإدارة الأمامي والخلفي عن مجموعة الدفع والحركة، ويسمح للسيارة بالحركة حتى وإن كان ناقل الحركة في وضع PARK (التوقف). يجب استخدام فرامل التوقف دائماً عندما لا يكون السائق موجوداً في السيارة.
- قد لا يتم تعشيق ناقل الحركة في وضع PARK (التوقف) إذا كانت السيارة تتحرك. احرص دائماً على أن تتوقف السيارة تماماً قبل النقل لوضع PARK (التوقف)، وتحقق من أن مؤشر وضع ترس ناقل الحركة يشير بثبات إلى وضع PARK (التوقف) من دون وميض. تأكد من توقف السيارة تماماً، ومن الإشارة إلى وضع PARK (التوقف) بشكل صحيح، قبل مغادرة السيارة.

لمزيد من المعلومات حول الاستخدام المناسب لكل وضع لعلبة النقل، راجع ما يلي:

4WD AUTO (الدفع الرباعي الأوتوماتيكي)

نطاق الدفع الرباعي الأوتوماتيكي العالي - يرسل هذا النطاق الطاقة دائماً إلى العجلات الأمامية ويضبط أوتوماتيكياً تقسيم العزم الأمامي والخلفي لتحسين الأداء لمناسبة ظروف التشغيل. على سبيل المثال، عندما تستشعر السيارة فقدان قوة الجر. يمكن أن يُستخدم هذا النطاق في أثناء ظروف الطريق المتغيرة.

4WD HIGH (الدفع الرباعي الأوتوماتيكي)

النطاق العالي للدفع الرباعي - يعطي هذا النطاق عزماً لعمود التوجيه الأمامي (يعشيق الدفع الرباعي)، ما يسمح بدوران العجلتين الأماميتين والخلفيتين بالسرعة نفسها. يوفر ذلك قدرة جر إضافية على الطرق ذات الأسطح الزلقة أو السائبة فقط. يؤدي استخدام وضع 4WD HIGH (الدفع الرباعي العالي) على أسطح الطرق الممهدة الجافة إلى زيادة تآكل الإطار وقد يؤدي إلى تلف مكونات مجموعة نقل الحركة.

4WD LOW (الدفع الرباعي الأوتوماتيكي)

نطاق الدفع الرباعي المنخفض — يُوفر هذا النطاق دفعاً رباعياً منخفض السرعة. وهو يعمل على زيادة عزم مجموعة نقل الحركة إلى أقصى درجة (زيادة العزم عن 4WD HIGH (الدفع الرباعي العالي))، ما يسمح بدوران العجلتين الأماميتين والخلفيتين بالسرعة نفسها. يضيف هذا الوضع قوة جر إضافية وطاقة سحب قصوى على الطرق ذات الأسطح الرخوة والزلقة فقط. لا تتجاوز سرعة 88 كم/الساعة (55 ميلاً في الساعة) في هذا

تشغيل نظام الدفع الرباعي

علبة النقل ذات الأربعة أوضاع والتبديل الإلكتروني

علبة النقل هذه هي علبة نقل إلكترونية تعمل بمفتاح التحكم في الدفع الرباعي (مفتاح علبة النقل)، والموجود في لوحة أجهزة القياس.



علبة النقل رباعي الأوضاع / عند الطلب

توفر علبة النقل الإلكترونية أربعة أوضاع:

- النطاق الأوتوماتيكي للدفع الرباعي (4WD) (AUTO)
- النطاق العالي لنظام الدفع الرباعي (4WD HIGH)
- نطاق الدفع الرباعي المنخفض (4WD LOW)
- N (المحايد)

3. أثناء تشغيل السيارة، اضغط على الوضع المطلوب بمفتاح التحكم في علبة النقل.

4. بعد إضاءة (وليس وميض) ضوء مؤشر الوضع المطلوب، انقل ناقل الحركة إلى ترس منخفض.

الإجراء البديل

1. أوقف السيارة تمامًا.
2. عندما يكون مفتاح التشغيل في الوضع ON/RUN (التشغيل/الانطلاق) والمحرك قيد التشغيل، انقل ناقل الحركة إلى وضع NEUTRAL (اللاتعشيق).
3. اضغط على الوضع المطلوب بمفتاح التحكم في علبة النقل.
4. بعد إضاءة (وليس وميض) ضوء مؤشر الوضع المطلوب، انقل ناقل الحركة إلى ترس منخفض.

ملاحظة:

- إذا لم يتم تنفيذ الخطوة الأولى أو الثانية من الإجراء المفضل أو البديل قبل محاولة النقل، فعندئذ سيومض ضوء مؤشر الوضع المطلوب بشكل مستمر بينما يكون ضوء مؤشر الوضع الأصلي مضاءً، حتى استيفاء جميع المتطلبات.
- يجب أن يكون مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق) حتى يتم النقل وحتى يضيئ ضوء مؤشر الوضع. إذا لم يكن المفتاح في وضع ON/RUN (التشغيل/الانطلاق) فلن يحدث النقل ولن تضاء أو تومض أية أضواء مؤشر الوضع.

ON/RUN (التشغيل/الانطلاق) مع تشغيل المحرك أو إيقاف تشغيله. لا يمكن إكمال هذا النقل إذا كان مفتاح التشغيل في وضع ACC (الملحقات).

ملاحظة:

لن يسمح نظام الدفع الرباعي بالتبديل بين وضع 2WD و 4WD AUTO/4WD LOCK إذا كانت العجلات الأمامية و/أو الخلفية تدور بسرعة (دون جر). في هذا الموقف، سيومض ضوء مؤشر الوضع المحدد وسيظل ضوء مؤشر الوضع الأصلي مضاءً. في هذا الوقت، قم بخفض السرعة وأوقف دوران العجلات لإكمال النقل. الدفع الثنائي أو الدفع الرباعي الأوتوماتيكي أو قفل الدفع الرباعي إلى الدفع الرباعي المنخفض

ملاحظة:

عند النقل إلى ترس الدفع الرباعي المنخفض أو منه قد يتم سماع بعض الأصوات من التروس. وتعتبر هذه الأصوات طبيعية ولا تسبب ضررًا للسيارة أو الركاب. ويمكن القيام بالنقل أثناء سير السيارة بسرعة تتراوح من 3 إلى 5 كيلومتر في الساعة (من 2 إلى 3 أميال في الساعة) أو أثناء توقف السيارة تمامًا. يمكنك استخدام أي من الإجراءات التالية:

الإجراء المفضل

1. أثناء تشغيل المحرك، قم بخفض سرعة السيارة إلى نطاق يتراوح من 3 إلى 5 كم/ساعة (2 إلى 3 أميال/ساعة).
2. نقل ناقل الحركة إلى وضع NEUTRAL (اللاتعشيق).

يعتمد التشغيل الصحيح لسيارات الدفع الرباعي على الإطارات ذات الحجم والنوع ومحيط العجلة المتساوي. قد يؤدي أي تغيير في حجم الإطارات إلى تلف مجموعة الدفع والحركة.

نظرًا لأن الدفع الرباعي يوفر جرًا محسنًا، تميل سيارات الدفع الرباعي إلى تجاوز سرعات الانعطاف والتوقف. لا تعد السيارة بسرعات لا تسمح بها ظروف الطريق.

إجراءات نقل السرعة

- في حالة عدم تلبية أي من متطلبات تحديد وضع علبة نقل جديد، لن يتم نقل ترس علبة النقل. سيبقى ضوء مؤشر الوضع السابق مضاءً وسيستمر وميض ضوء مؤشر الوضع المحدد الجديد حتى يتم استيفاء جميع متطلباته.

- إذا توافرت كافة متطلبات تحديد وضع علبة نقل جديد، فسيوقف تشغيل ضوء مؤشر الوضع الحالي عن الوميض وسيومض ضوء مؤشر الوضع المحدد حتى تكتمل علبة النقل بإجراء وضع النقل. عند اكتمال النقل، يتوقف ضوء مؤشر الوضع المحدد عن الوميض ويبقى مضاءً.

الدفع ثنائي إلى الدفع الرباعي الأوتوماتيكي أو قفل الدفع الرباعي

اضغط على الوضع المطلوب على مفتاح four-wheel drive control (التحكم في الدفع الرباعي) لنقل علبة النقل. يمكن التبديل بين وضع الدفع الثنائي و 4WD AUTO و 4WD LOCK (الدفع الرباعي العالي) أثناء توقف السيارة أو أثناء سيرها. أثناء سير السيارة، يتم تعشيق علبة النقل وتحريرها بشكل أسرع عند تحرير دواسرة البنزين للحظات بعد إدارة مفتاح التحكم. وإذا كانت السيارة متوقفة، يجب أن يكون مفتاح التشغيل في وضع

يراقب ضوء تحذير صيانة الدفع الرباعي SERV 4WD نظام الدفع الرباعي للنقل الإلكتروني. إذا ظل هذا المصباح مضاءً بعد تشغيل المحرك أو إذا أضاء أثناء القيادة، فهذا يعني أن نظام الدفع الرباعي لا يعمل بشكل صحيح وأنه تجب صيانة النظام.

تحذير!

قم دائمًا بتعشيق فرامل التوقف عند إيقاف تشغيل السيارة إذا كان "مصابيح تحذير صيانة الدفع الرباعي SERV 4WD" مضاءً. قد يؤدي عدم تعشيق فرامل التوقف إلى السماح بانقلاب السيارة مما قد يؤدي إلى حدوث إصابة شخصية أو الوفاة.

ملاحظة:

لا تحاول نقل السرعة عند التدوير السريع للعجلات الأمامية أو الخلفية فقط. قد يتسبب ذلك في تلف مكونات مجموعة الدفع والحركة.

عند تشغيل السيارة في وضع 4WD LOW (النطاق المنخفض لنظام الدفع الرباعي)، تصبح سرعة المحرك تقريبًا ثلاثة أضعاف سرعة وضع 2WD (الدفع الثنائي) أو 4WD AUTO (النطاق الأوتوماتيكي لنظام الدفع الرباعي) أو 4WD HIGH (النطاق المرتفع لنظام الدفع الرباعي) في سرعة معينة للقيادة على الطريق. احترس من زيادة سرعة المحرك ولا تتجاوز سرعة 40 كم/الساعة (25 ميلًا/الساعة).

مصابيح مؤشر وضع علبة النقل

توجد مصابيح مؤشر وضع علبة النقل (4WD HIGH (الدفع الرباعي العالي) و 4WD LOW (الدفع الرباعي المنخفض) و 4WD AUTO (الدفع الرباعي الأوتوماتيكي)) في مجموعة أجهزة القياس وهي تشير إلى التحديد الحالي المطلوب لعبلة النقل. عند اختيارك لوضع علبة نقل مختلف، يتم ما يلي فيما يتعلق بأضواء المؤشر:

1. يتوقف تشغيل ضوء مؤشر الوضع الحالي.
2. يومض ضوء مؤشر الوضع المحدد حتى تكتمل علبة النقل بإجراء النقل.
3. عند اكتمال النقل، يتوقف ضوء المؤشر الخاص بالوضع المحدد عن الوميض ويبقى مضاءً إضاءة ثابتة.

إذا لم تنتقل علبة النقل إلى الوضع المطلوب، فقد يقع واحد أو أكثر من الأحداث الآتية:

1. سيبقى ضوء المؤشر للوضع الحالي مضاءً إضاءة ثابتة.
2. يستمر ضوء المؤشر الجديد في الوميض.
3. إذا لم تنتقل علبة النقل، فستظهر رسالة في المجموعة تفيد أنه تم إلغاء نقل الدفع الرباعي (4WD).

ملاحظة:

قبل إعادة محاولة تحديد وضع جديد، تأكد من توافر كافة المتطلبات الضرورية لتحديد هذا الوضع الجديد لعبلة النقل. لمحاولة إجراء التحديد مرة أخرى، اضغط على الوضع الحالي، وانتظر لمدة خمس ثوان ثم أعد التحديد مرة أخرى.

تحذير!

- قد لا يتم تعشيق ناقل الحركة في وضع PARK (التوقف) إذا كانت السيارة تتحرك. احرص دائمًا على أن تتوقف السيارة تمامًا قبل النقل لوضع PARK (التوقف)، وتحقق من أن مؤشر وضع ترس ناقل الحركة يشير بثبات إلى وضع PARK (التوقف) من دون وميض. تأكد من توقف السيارة تمامًا، ومن الإشارة إلى وضع PARK (التوقف) بشكل صحيح، قبل مغادرة السيارة.

ملاحظة:

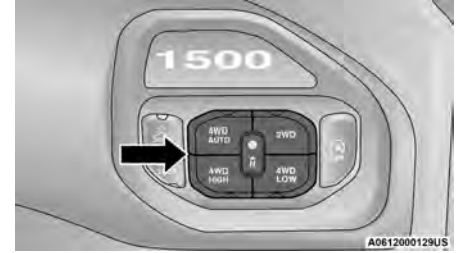
- والوضعان 4WD HIGH (النطاق المرتفع لنظام الدفع الرباعي) و 4WD LOW (النطاق المنخفض لنظام الدفع الرباعي) مصممان للقيادة على الطرق ذات الأسطح السائبة والزلقة فقط. وقد تتسبب القيادة في وضعي 4WD HIGH (النطاق المرتفع لنظام الدفع الرباعي) و 4WD LOW (النطاق المنخفض لنظام الدفع الرباعي) على الطرق الجافة الصلبة في زيادة بلي الإطارات وتلف مكونات مجموعة القيادة.
- يوجد زر وضع N (اللاتعشيق) الخاص بعلبة النقل في وسط مفتاح التحكم في نظام الدفع الرباعي (4WD) ويتم الضغط عليه باستخدام قلم بسن كروي أو أداة مشابهة. يُستخدم وضع N (المحايد) لعلبة النقل للقطر الترفيهي فقط. ➔ صفحة ٢١٩.

- نطاق الدفع الرباعي المنخفض (4WD LOW) — يوفر هذا النطاق دفعًا رباعيًا منخفض السرعة. وهو يعمل على زيادة عزم عمود التوجيه الأمامي إلى أقصى درجة (زيادة العزم عن النطاق العالي للدفع الرباعي (4WD))، ما يسمح بدوران العجلتين الأماميتين والخلفيتين بالسرعة نفسها. يضيف هذا الوضع قوة جر إضافية وطاقة سحب قصوى على الطرق ذات الأسطح الرخوة والزلقة فقط. لا تتجاوز سرعة 40 كم/الساعة (25 ميلًا في الساعة) في هذا النطاق.
- N (اللاتعشيق) — يفصل هذا النطاق كلا من عمودي التوجيه الأمامي والخلفي من مجموعة الدفع والحركة. للاستخدام للقطر المسطح خلف سيارة أخرى. ➔ صفحة ٢١٩.

تحذير!

- فقد تتعرض أنت أو الآخرون للإصابة أو الوفاة إذا تركت السيارة دون رقابة مع وجود علبة النقل في وضع N (اللاتعشيق) دون استخدام فرامل التوقف أو لا بشكل كامل. يقوم وضع N (اللاتعشيق) لعلبة النقل بفصل كل من عمودي الإدارة الأمامي والخلفي عن مجموعة الدفع والحركة، ويسمح للسيارة بالحركة حتى وإن كان ناقل الحركة في وضع PARK (التوقف). يجب استخدام فرامل التوقف دائمًا عندما لا يكون السائق موجودًا في السيارة.

(تابع)



علبة النقل الخماسي الأوضاع / عند الطلب — الطرازات GT

توفر علبة النقل المنقولة إلكترونياً هذه خمسة أوضاع:

- نطاق الدفع الثنائي العالي (2WD) — يُستخدم هذا النطاق للقيادة على الشوارع العادية والطرق السريعة ذات الأسطح الصلبة الجافة. هناك فائدة أكبر في ترشيد الوقود عند قيادة السيارة في وضع الدفع الثنائي (2WD) حيث لا يتم تعشيق المحور الأمامي في هذا الوضع.
- نطاق الدفع الرباعي العالي الأوتوماتيكي (4WD AUTO) — يرسل هذا النطاق الطاقة إلى العجلات الأمامية أوتوماتيكيًا عند استشعار السيارة فقد السحب. يمكن أن يُستخدم هذا النطاق في أثناء ظروف الطريق المتغيرة.
- نطاق الدفع الرباعي العالي (4WD HIGH) — يعطي هذا النطاق عزمًا لعمود التوجيه الأمامي (يعشيق الدفع الرباعي)، ما يسمح بدوران العجلتين الأماميتين والخلفيتين بالسرعة نفسها. يوفر ذلك قدرة جر إضافية على الطرق ذات الأسطح الزلقة أو السائبة فقط.

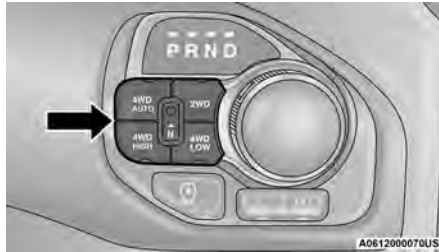
ملاحظة:

- إذا لم يتم تنفيذ الخطوة الأولى أو الثانية من الإجراء المفضل أو التبديل قبل محاولة النقل، فعندئذ سيومض ضوء مؤشر الوضع المطلوب بشكل مستمر بينما يكون ضوء مؤشر الوضع الأصلي مضاءً، حتى استيفاء جميع المتطلبات.

- يجب أن يكون مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق) حتى يتم النقل وحتى يضيء ضوء مؤشر الوضع. إذا لم يكن المفتاح في وضع ON/RUN (التشغيل/الانطلاق) فلن يحدث النقل ولن تضاء أو تومض أية أضواء مؤشر الوضع.

علبة نقل إلكترونية ذات خمسة مواضع - إذا كانت السيارة مزودة بذلك

علبة النقل هذه هي علبة نقل إلكترونية تعمل بمفتاح التحكم في الدفع الرباعي (مفتاح علبة النقل)، والموجود في لوحة أجهزة القياس.



علبة النقل خماسي الأوضاع / عند الطلب

ويمكن القيام بالنقل أثناء سير السيارة بسرعة تتراوح من 3 إلى 5 كيلومتر في الساعة (من 2 إلى 3 أميال في الساعة) أو أثناء توقف السيارة تمامًا. يمكنك استخدام أي من الإجراءات التالية:

الإجراء المفضل

1. أثناء تشغيل المحرك، قم بخفض سرعة السيارة إلى نطاق يتراوح من 3 إلى 5 كم/ساعة (2 إلى 3 أميال/ساعة).
2. نقل ناقل الحركة إلى وضع NEUTRAL (اللاتعشيق).
3. أثناء تشغيل السيارة، اضغط على الوضع المطلوب بمفتاح التحكم في علبة النقل.

4. بعد إضاءة (وليس وميض) ضوء مؤشر الوضع المطلوب، انقل ناقل الحركة إلى ترس منخفض.

الإجراء البديل

1. أوقف السيارة تمامًا.
2. عندما يكون مفتاح التشغيل في الوضع ON/RUN (التشغيل/الانطلاق) والمحرك قيد التشغيل، انقل ناقل الحركة إلى وضع NEUTRAL (اللاتعشيق).
3. اضغط على الوضع المطلوب بمفتاح التحكم في علبة النقل.
4. بعد إضاءة (وليس وميض) ضوء مؤشر الوضع المطلوب، انقل ناقل الحركة إلى ترس منخفض.

التبديل من الدفع الثنائي (2WD) إلى الدفع الرباعي العالي (4WD HIGH)

اضغط على الوضع المطلوب على مفتاح four-wheel drive control (التحكم في الدفع الرباعي) لنقل علبة النقل. يمكن التبديل بين وضع 2WD و 4WD HIGH (الدفع الرباعي العالي) أثناء توقف السيارة أو أثناء سيرها. أثناء سير السيارة، يتم تعشيق علبة النقل وتحريرها بشكل أسرع عند تحرير دواسة البنزين للحظات بعد إدارة مفتاح التحكم. وإذا كانت السيارة متوقفة، يجب أن يكون مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق) مع تشغيل المحرك أو إيقاف تشغيله. لا يمكن إكمال هذا النقل إذا كان مفتاح التشغيل في وضع ACC (الملحقات).

ملاحظة:

لن يسمح نظام الدفع الرباعي بالتبديل بين وضع 2WD/4WD HIGH (الدفع الثنائي/الدفع الرباعي العالي) إذا كانت العجلات الأمامية و/أو الخلفية تدور بسرعة (دون جر). في هذا الموقف، سيومض ضوء مؤشر الوضع المحدد وسيظل ضوء مؤشر الوضع الأصلي مضاءً. في هذا الوقت، قم بخفض السرعة وأوقف دوران العجلات لإكمال النقل.

الدفع الثنائي (2WD) أو الدفع الرباعي (4WD) المرتفع إلى الدفع الرباعي (4WD) المنخفض

ملاحظة:

عند النقل إلى ترس الدفع الرباعي المنخفض أو منه قد يتم سماع بعض الأصوات من التروس. وتعتبر هذه الأصوات طبيعية ولا تسبب ضررًا للسيارة أو الركاب.

ملاحظة:

- والوضعان 4WD HIGH (النطاق المرتفع لنظام الدفع الرباعي) و 4WD LOW (النطاق المنخفض لنظام الدفع الرباعي) مصممان للقيادة على الطرق ذات الأسطح السائبة والزلقة فقط. وقد تتسبب القيادة في وضعي 4WD HIGH (الدفع الرباعي المرتفع) و 4WD LOW (الدفع الرباعي المنخفض) على الطرق الجافة الصلبة في زيادة بلى الإطارات وتلف مكونات مجموعة القيادة.

- يوجد زر وضع N (اللاتعشيق) الخاص بعلبة النقل في وسط مفتاح التحكم في نظام الدفع الرباعي (4WD) ويتم الضغط عليه باستخدام قلم بيسن كروي أو أداة مشابهة. يُستخدم وضع N (المحايد) لعلبة النقل للقطر الترفيهي فقط. [صفحة ٢١٩](#).

مصابيح مؤشر وضع علبة النقل

توجد مصابيح مؤشر وضع علبة النقل (4WD HIGH) (الدفع الرباعي العالي) و 4WD LOW (الدفع الرباعي المنخفض)) في مجموعة أجهزة القياس، وهي تشير إلى تحديدات علبة النقل الحالية والمروجة. عند اختيارك لوضع علبة نقل مختلف، يتم ما يلي فيما يتعلق بأصواء المؤشر:

1. يتوقف تشغيل ضوء مؤشر الوضع الحالي.
2. يومض ضوء مؤشر الوضع المحدد حتى تكمل علبة النقل إجراء النقل.
3. عند اكتمال النقل، يتوقف ضوء المؤشر الخاص بالوضع المحدد عن الوميض ويبقى مضاءً إضاءة ثابتة.

إذا لم تنتقل علبة النقل إلى الوضع المطلوب، فقد يقع واحد أو أكثر من الأحداث الآتية:

1. سيبقى ضوء المؤشر للوضع الحالي مضاءً إضاءة ثابتة.
2. يستمر ضوء المؤشر الجديد في الوميض.
3. إذا لم تنتقل علبة النقل، فستظهر رسالة في المجموعة تفيد أنه تم إلغاء نقل الدفع الرباعي (4WD).

ملاحظة:

قبل إعادة محاولة تحديد وضع جديد، تأكد من توافر كافة المتطلبات الضرورية لتحديد هذا الوضع الجديد لعلبة النقل. لمحاولة إجراء التحديد مرة أخرى، اضغط على الوضع الحالي، وانتظر لمدة خمس ثوان ثم أعد التحديد مرة أخرى.

يراقب ضوء تحذير صيانة الدفع الرباعي SERV 4WD نظام الدفع الرباعي للنقل الإلكتروني. إذا ظل هذا المصباح مضاءً بعد تشغيل المحرك أو إذا أضاء أثناء القيادة، فهذا يعني أن نظام الدفع الرباعي لا يعمل بشكل صحيح وأنه تجب صيانة النظام.

تحذير!

قم دائماً بتعشيق فرامل التوقف عند إيقاف تشغيل السيارة إذا كان "مصباح تحذير صيانة الدفع الرباعي SERV 4WD" مضاءً. قد يؤدي عدم تعشيق فرامل التوقف إلى السماح بانقلاب السيارة مما قد يؤدي إلى حدوث إصابة شخصية أو الوفاة.

ملاحظة:

لا تحاول نقل السرعة عند التدوير السريع للعجلات الأمامية أو الخلفية فقط. قد يتسبب ذلك في تلف مكونات مجموعة الدفع والحركة.

عند تشغيل السيارة في وضع 4WD LOW (الدفع الرباعي المنخفض) تكون سرعة المحرك ثلاث مرات تقريباً سرعته في وضع 2WD (الدفع الثنائي) أو 4WD HIGH (النطاق العالي لنظام الدفع الرباعي) عند سرعة طريق معينة. احتسب من زيادة سرعة المحرك ولا تتجاوز سرعة 40 كم/الساعة (25 ميلاً/الساعة).

يعتمد التشغيل الصحيح لسيارات الدفع الرباعي على الإطارات ذات الحجم والنوع ومحيط العجلة المتساوي. قد يؤدي أي تغيير في حجم الإطار إلى تلف مجموعة الدفع والحركة.

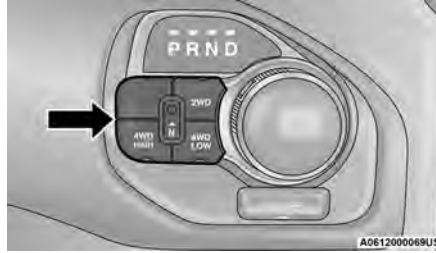
نظراً لأن الدفع الرباعي يوفر جراً محسناً، تميل سيارات الدفع الرباعي إلى تجاوز سرعات الانعطاف والتوقف. لا تعد السيارة بسرعات لا تسمح بها ظروف الطريق.

إجراءات نقل السرعة

- في حالة عدم تلبية أي من متطلبات تحديد وضع علبة نقل جديد، لن يتم نقل ترس علبة النقل. سيبقى ضوء مؤشر الوضع السابق مضاءً وسيستمر وميض ضوء مؤشر الوضع المحدد الجديد حتى يتم استيفاء جميع متطلباته.
- إذا توافرت كافة متطلبات تحديد وضع علبة نقل جديد، فسيُتوقف تشغيل ضوء مؤشر الوضع الحالي عن الوميض وسيومض ضوء مؤشر الوضع المحدد حتى تكمل علبة النقل إجراء النقل. وعند اكتمال النقل، يتوقف ضوء مؤشر الوضع المحدد عن الوميض ويبقى مضاءً.

إضافية وطاقة سحب قصوى على الطرق ذات الأسطح الرخوة والزلقة فقط. لا تتجاوز سرعة 40 كم/الساعة (25 ميلاً في الساعة) في هذا النطاق.

- N (اللاتعشيق) — يفصل هذا النطاق كلاً من عمودي التوجيه الأمامي والخلفي من مجموعة الدفع والحركة. للاستخدام اللطيف المسطح خلف سيارة أخرى
⤵ صفحة ٢١٩.



علبة النقل رباعي الأوضاع / عند الطلب

توفر علبة النقل الإلكترونية أربعة أوضاع:

- نطاق الدفع الثنائي العالي (2WD) — يُستخدم هذا النطاق للقيادة على الشوارع العادية والطرق السريعة ذات الأسطح الصلبة الجافة. هناك فائدة أكبر في ترشيد الوقود عند قيادة السيارة في وضع الدفع الثنائي (2WD) حيث لا يتم تعشيق المحور الأمامي في هذا الوضع.

- نطاق الدفع الرباعي العالي (4WD HIGH) — يغطي هذا النطاق عزمًا لعمود التوجيه الأمامي (يعشّق الدفع الرباعي)، ما يسمح بدوران العجلتين الأماميتين والخلفيتين بالسرعة نفسها. يوفر ذلك قدرة جر إضافية على الطرق ذات الأسطح الزلقة أو السائبة فقط.

- نطاق الدفع الرباعي المنخفض (4WD LOW) — يُوفر هذا النطاق دفعًا رباعياً منخفض السرعة. وهو يعمل على زيادة عزم عمود التوجيه الأمامي إلى أقصى درجة (زيادة العزم عن النطاق العالي للدفع الرباعي (4WD))، ما يسمح بدوران العجلتين الأماميتين والخلفيتين بالسرعة نفسها. يضيف هذا الوضع قوة جر

ملاحظة:

عندما يتم تمكين Selec-Speed أو التحكم في النزول من على المرتفعات، يكون وضع AutoStick (العصا الأوتوماتيكية) غير نشطة.

لإلغاء تعشيق وضع AutoStick (العصا الأوتوماتيكية)، أعد محدد التروس إلى وضع DRIVE (القيادة) أو اضغط مطولاً على ذراع التبديل "4" (مع وجود محدد التروس في وضع DRIVE (القيادة) بالفعل) حتى تتم الإشارة إلى "D" مرة أخرى في مجموعة أجهزة القياس. يمكن تحريك ذراع النقل إلى داخل AutoStick (العصا الأوتوماتيكية) أو خارجها في أي وقت دون رفع قدمك عن دواسة الوقود.

تحذير!

لا تخفض السرعة للحصول على مزيد من الفرملة للمحرك على الطرق الزلقة. لأن ذلك قد يفقد العجلات الموجهة قدرتها على التماسك وتنزلق السيارة مما قد يتسبب في وقوع تصادم أو إصابة شخصية.

تشغيل نظام الدفع الرباعي - إذا كانت السيارة مزودة بذلك

علبة نقل إلكترونية ذات أربعة مواضع - إذا كانت السيارة مزودة بذلك

هذه علبة نقل إلكترونية تعمل بمفتاح التحكم في الدفع الرباعي (4WD) (مفتاح علبة النقل)، والموجود في لوحة أجهزة القياس.

تحذير!

- فقد تتعرض أنت أو الآخرون للإصابة أو الوفاة إذا تركت السيارة دون رقابة مع وجود علبة النقل في وضع N (اللاتعشيق) دون استخدام فرامل التوقف أولاً بشكل كامل. يقوم وضع N (اللاتعشيق) لعلبة النقل بفصل كل من عمودي الإدارة الأمامي والخلفي عن مجموعة الدفع والحركة، ويسمح للسيارة بالحركة حتى وإن كان ناقل الحركة في وضع PARK (التوقف). يجب استخدام فرامل التوقف دائماً عندما لا يكون السائق موجوداً في السيارة.

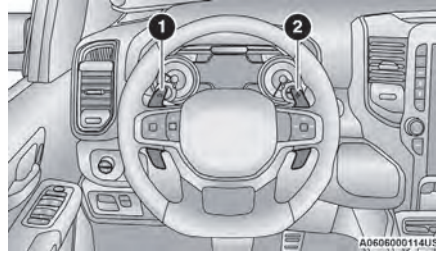
- قد لا يتم تعشيق ناقل الحركة في وضع PARK (التوقف) إذا كانت السيارة تتحرك. احرص دائماً على أن تتوقف السيارة تماماً قبل النقل لوضع PARK (التوقف)، وتحقق من أن مؤشر وضع ترس ناقل الحركة يشير بثبات إلى وضع PARK (التوقف) من دون وميض. تأكد من توقف السيارة تماماً، ومن الإشارة إلى وضع PARK (التوقف) بشكل صحيح، قبل مغادرة السيارة.

ملاحظة:

على إصدارات TRX قد يتم تعطيل أذرع التبديل (أو إعادة تمكينها، حسب رغبتك) باستخدام أوضاع القيادة.

لوضع AutoStick (العصا الأوتوماتيكية) الفوائد التشغيلية التالية:

- ينتقل ناقل الحركة أوتوماتيكياً إلى ترس أقل عندما تتباطأ السيارة (لمنع إجهاد المحرك) وسيعرض الترس الحالي.
- ينتقل ناقل الحركة أوتوماتيكياً للأسفل إلى ترس السرعة الأول عند الرغبة في التوقف. بعد التوقف، يجب على السائق أن ينقل ناقل الحركة يدوياً لأعلى "+" أثناء تسارع السيارة.
- يمكنك بدء الحركة، من التوقف، باستخدام الترس الأول أو الثاني (أو الترس الثالث، في وضع 4WD LOW (الدفع الرباعي المنخفض)، وضع Snow (الثلج)).
- يسمح الضغط على "+" عند التوقف ببدء تشغيل السيارة في الترس الثاني. يمكن أن يكون بدء الحركة في الترس الثاني أو الثالث مفيداً في ظروف الثلج أو الجليد.
- إذا كان الانتقال المطلوب إلى ترس أدنى سيتسبب في زيادة سرعة المحرك عن الحد المقرر، فلن يتم النقل.
- ويتجاهل النظام محاولات نقل التروس لأعلى عند السرعة المنخفضة للسيارة.
- يعمل إبقاء الدواسة "-" مضغوطة أو إبقاء محدد التروس في وضع "-" على خفض ناقل الحركة إلى أقل ترس ممكن في السرعة الحالية.
- وتصبح انتقالات ناقل الحركة أكثر وضوحاً عند تمكين العصا الأوتوماتيكية AutoStick.
- قد يعود النظام إلى وضع النقل الأوتوماتيكي في حالة اكتشاف عطل أو اكتشاف سخونة مفرطة.



Paddle Shifters (أذرع التبديل)

1 — الدواسة "-".

2 — الدواسة "+".

التشغيل

في وضع AutoStick (العصا الأوتوماتيكية)، يمكنك استخدام محدد التروس (في الوضع SPORT (الرياضة))، أو أذرع التبديل، لتحريك ناقل الحركة يدوياً. لتنشيط وضع AutoStick (العصا الأوتوماتيكية)، حرّك محدد التروس إلى الوضع SPORT (الرياضة) (S) (إلى جانب وضع DRIVE (القيادة))، أو اضغط على أحد أذرع التبديل على عجلة القيادة. يؤدي الضغط على دواسة النقل "-" من أجل الدخول إلى وضع AutoStick (العصا الأوتوماتيكية) إلى نقل ناقل الحركة إلى الترس التالي الأقل، بينما يؤدي الضغط على "+" من أجل الدخول إلى وضع AutoStick (العصا الأوتوماتيكية) إلى المحافظة على البقاء في الترس الحالي. وسوف يتم عرض ترس ناقل الحركة الحالي في مجموعة أجهزة القياس.

تحذير!

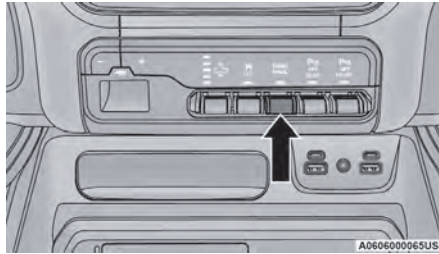
لا تستخدم ميزة TOW/HAUL (الجِر/السحب) عند القيادة على الطرق التلجبة أو الزلقة. يمكن أن تتسبب الفرملة الزائدة للمحرك في انزلاق العجلات الخلفية وانحراف السيارة مع احتمال فقدان التحكم في السيارة وهو ما قد يتسبب في وقوع حادث متسبباً في الإصابة الشخصية أو الوفاة.

العصا الأوتوماتيكية AutoStick - إذا كانت السيارة مزودة بذلك

العصا الأوتوماتيكية AutoStick عبارة عن ميزة تفاعلية في ناقل الحركة توفر للسائق التحكم في نقل الحركة اليدوي، ومن ثم التحكم في السيارة بشكل أفضل. تتيح العصا الأوتوماتيكية AutoStick إمكانية زيادة قدرة فرملة المحرك إلى أقصى قدر ممكن، والتخلص من نقل التروس للأعلى وللأسفل بشكل غير مطلوب وتحسين أداء السيارة الكلي. كما يمكن أن توفر لك هذه الميزة مزيداً من التحكم أثناء المرور من السيارات والقيادة داخل المدن، والقيادة في ظروف الأراضي الزلقة، والقيادة على الجبال، وسحب المقطورة، والكثير من المواقف الأخرى.

متى يتم استخدام وضع TOW/HAUL (الجر/السحب)

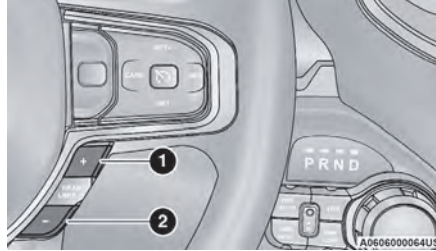
حدد وضع TOW/HAUL (السحب/ الجر) عند القيادة في ظروف مثل: القيادة في المناطق المرتفعة أو سحب مقطورة أو حمل ثقيل، إلخ. سيعمل هذا الوضع على تحسين الأداء وتقليل احتمال الارتفاع الزائد في درجة حرارة ناقل الحركة أو الخلل نتيجة نقل التروس الزائد عن الحد.



مفتاح الجر/السحب TOW/HAUL

يضيء مصباح مؤشر TOW/HAUL (الجر/السحب) في مجموعة أجهزة القياس للإشارة إلى أنه قد تم تنشيط وضع TOW/HAUL (الجر/السحب). يؤدي الضغط على المفتاح مرة ثانية إلى استعادة التشغيل العادي. يكون التشغيل العادي هو الوضع الافتراضي عند تشغيل المحرك. في حالة الرغبة في استخدام وضع TOW/HAUL (الجر/السحب)، يجب الضغط على المفتاح في كل مرة يتم فيها تشغيل المحرك.

مجموعة أجهزة القياس والحفاظ على هذا الترس كأعلى ترس متاح. وبمجرد التواجد في وضع الاختيار الإلكتروني للنطاق (ERS)، سيؤدي الضغط على الزر "+" أو "-" إلى تغيير أعلى ترس متاح.



الاختيار الإلكتروني للنطاق (ERS)

- 1 — التبديل لأعلى "+"
- 2 — التبديل لأسفل "-"

للخروج من وضع الاختيار الإلكتروني للنطاق (ERS)، ببساطة اضغط مطولاً على الزر "+" حتى تختفي شاشة عرض حد الترس من مجموعة أجهزة القياس.

تحذير!

لا تخفض السرعة للحصول على مزيد من الفرملة للمحرك على الطرق الزلقة. لأن ذلك قد يفقد العجلات الموجهة قدرتها على التماسك وتزلق السيارة مما قد يتسبب في وقوع تصادم أو إصابة شخصية.

ملاحظة:

ينصح بزيارة الوكيل المعتمد في أقرب فرصة ممكنة حتى ولو كان بالإمكان إعادة ضبط ناقل الحركة. لدى الوكيل المعتمد معدات تشخيص لتقييم حالة ناقل الحركة. إذا تعذرت إعادة ضبط ناقل الحركة، فمن الضروري تنفيذ الصيانة لدى وكيل معتمد.

تشغيل الاختيار الإلكتروني للنطاق (ERS) —

إذا كانت السيارة مزودة بذلك

يتيح التحكم في نقل الحركة من خلال ERS (الاختيار الإلكتروني للنطاق) للسائق تقييد أعلى ترس متاح عندما يكون ناقل الحركة في وضع DRIVE (القيادة) ويكون وضع الاختيار الإلكتروني للنطاق (ERS) غير نشط. على سبيل المثال، إذا قمت بضغط حد ترس ناقل الحركة على الترس الرابع، فسيحتفظ ناقل الحركة بهذا الترس ولن ينتقل إلى ترس أعلى من الترس الرابع، ولكن ينتقل إلى التروس الأقل بصورة طبيعية.

ملاحظة:

ينتقل نظام الاختيار الإلكتروني للنطاق (ERS) لأعلى فقط أثناء نقل الترس الأول إلى الثاني عند التواجد في وضع 4WD LOW (الدفع الرباعي المنخفض). وسوف تحتفظ جميع النطاقات الأخرى بالترس.

يمكنك التنقل بين وضع DRIVE (القيادة) ووضع الاختيار الإلكتروني للنطاق (ERS) في أي سرعة للسيارة. عندما يكون محدد تروس ناقل الحركة في وضع DRIVE (القيادة)، سيعمل ناقل الحركة أوتوماتيكياً، متنقلاً بين جميع التروس المتوفرة. يؤدي الضغط على الزر "-" (على عجلة القيادة) إلى تنشيط وضع الاختيار الإلكتروني للنطاق (ERS) وعرض الترس الحالي في

تحذير!

لا تقم بالهبوط من مكان مرتفع مع استخدام وضع **NEUTRAL** (اللاتعشيق) ولا تقم بإيقاف تشغيل المحرك في هذه الظروف. تعتبر هذه الممارسات غير الآمنة مقيدة لاستجابتك عند تغير ظروف المرور أو الطريق. فقد تفقد القدرة على التحكم في السيارة، وقد يحدث تصادم.

تنبيه!

قد ينجم عن سحب السيارة أو تركها تهبط بفعل الجاذبية أو القيادة لأي سبب في ظل وجود ناقل الحركة في وضع **NEUTRAL** (اللاتعشيق) تلف كبير بناقل الحركة. للقطر الترفيهي **٢١٩** صفحة. للقطر سيارة معطلة **٣٥٣** صفحة.

القيادة (D)

ينبغي استخدام هذا النطاق عند السير داخل غالبية المدن وعلى الطرق السريعة. حيث يعد هذا أكثر تروس السرعة سلاسة في النقل لترس أعلى أو أقل وأكثرها ترشيذاً لاستهلاك الوقود. ينتقل ناقل الحركة أوتوماتيكياً إلى ترس أعلى من خلال كافة التروس الأمامية.

عندما يحدث تكرار لنقل ناقل الحركة (كما يحدث عند تشغيل السيارة في ظل ظروف تحميل شاقة أو على المرتفعات أو في مواجهة الريح القوية أو في أثناء سحب مقطورة ضخمة)، اختر وضع **TOW/HAUL** (السحب/الجر) أو استخدم التحكم في نقل الحركة من خلال الاختيار

الإلكتروني للنطاق (ERS) لتحديد نطاق ترس منخفض **١٤٥** صفحة. في مثل هذه الظروف، يؤدي استخدام ترس منخفض إلى تحسين الأداء وإطالة عمر ناقل الحركة وذلك بتقليل نقل التروس بإفراط والحيلولة دون تراكم الحرارة.

أثناء درجة الحرارة شديدة البرودة (-30 درجة مئوية [-22 درجة فهرنهايت] أو أقل)، قد يتم تعديل تشغيل ناقل الحركة وفقاً لدرجة حرارة المحرك وناقل الحركة وأيضاً سرعة السيارة. سيتم استئناف التشغيل العادي عند ارتفاع درجة حرارة ناقل الحركة إلى مستوى مناسب.

(S) (الرياضة)

يعمل وضع **SPORT** (الرياضة) **(S)** /+/- (إلى جانب وضع **DRIVE** (القيادة)) على تمكين التحكم اليدوي الكامل في تبديل ناقل الحركة (المعروف أيضاً باسم وضع **AutoStick** (العصا الأوتوماتيكية) **١٤٦** صفحة)). يعمل تبديل محدد التروس إلى الأمام (-) أو إلى الخلف (+) أثناء التواجد في الوضع **SPORT** (الرياضة) (العصا الأوتوماتيكية **AutoStick**) على تحديد ترس ناقل الحركة يدوياً، وسيعرض الترس الحالي في مجموعة أجهزة القياس.

وضع Transmission Limp Home (التحريك البطيء لناقل الحركة)

تتم مراقبة وظيفة ناقل الحركة إلكترونياً عند مواجهة ظروف غير عادية. عند اكتشاف أي حالة من الحالات التي قد تسبب في تلف ناقل الحركة، يتم تنشيط وضع الحماية لناقل الحركة. في هذا الوضع، قد يعمل ناقل الحركة في تروس محددة فقط أو قد لا ينتقل إلى أي ترس. قد ينخفض أداء السيارة بشكل ملحوظ وقد يتوقف المحرك. في بعض المواقف، قد لا يتم تعشيق ناقل الحركة مرة

أخرى إذا تم إيقاف المحرك وإعادة تشغيله. قد يضيء مصباح مؤشر العطل. تظهر رسالة في مجموعة أجهزة القياس لإعلام السائق بالظروف شديدة الخطورة كما تشير إلى الإجراءات التي قد تكون ضرورية في هذه الحالات. في حالة حدوث مشكلة مؤقتة، يمكن إعادة ضبط ناقل الحركة لاسترداد عمل كافة التروس الأمامية وذلك عن طريق تنفيذ الخطوات التالية:

ملاحظة:

في الحالات التي تشير فيها رسالة مجموعة أجهزة القياس إلى احتمالية عدم إعادة تعشيق ناقل الحركة بعد إيقاف المحرك، نفذ هذا الإجراء فقط في المكان المطلوب (يفضل أن يتم ذلك عند وكيل معتمد).

1. أوقف السيارة.
2. قم بتغيير ناقل الحركة إلى وضع **PARK** (التوقف)، إن أمكن. إذا لم يكن الحال هكذا، فانقل ناقل الحركة إلى وضع **NEUTRAL** (اللاتعشيق).
3. اضغط مطولاً على مفتاح التشغيل حتى يتم إيقاف تشغيل المحرك.
4. انتظر 30 ثانية تقريباً.
5. أعد تشغيل المحرك.
6. ضع ذراع تغيير التروس في نطاق الترس المطلوب. عند انتهاء المشكلة، يعود ناقل الحركة إلى ظروف التشغيل العادية.

ينبغي استخدام المؤشرات التالية لضمان تعشيق ناقل الحركة في وضع PARK (التوقف) بطريقة صحيحة:

- عند النقل إلى وضع PARK (التوقف)، اضغط على زر lock (القفل) الموجود في محدد التروس ثم ادفع المحدد بالكامل بنباتات للأمام إلى أن يتوقف ويستقر بالكامل.

- انظر إلى شاشة عرض وضع ترس ناقل الحركة وتحقق من أنها تشير إلى وضع PARK (التوقف) (P) وأنها لا تومض.

- عند تحرير دواسة الفرامل، تحقق من أن محدد التروس لم يخرج من وضع PARK (التوقف).

الرجوع للخلف (R)

يستخدم هذا النطاق لتحريك السيارة إلى الخلف. انقل ذراع تغيير التروس إلى وضع REVERSE (الرجوع للخلف) فقط بعد إيقاف السيارة تمامًا.

اللاتعشيق (N)

استخدم هذا النطاق عند وقوف السيارة لفترات طويلة مع تشغيل المحرك. استخدم فرامل التوقف وحرك ناقل الحركة إلى وضع PARK (التوقف)، إذا كان من الضروري مغادرة السيارة.

عند التوقف على مرتفع، استخدم فرامل التوقف قبل نقل ناقل الحركة إلى وضع PARK (التوقف). ولمزيد من الاحتياط أدر العجلات الأمامية باتجاه الرصيف عند الوقوف على سفح منحدر وبعيدًا عن الرصيف عند الوقوف على سفح مرتفع.

ملاحظة:

في سيارات الدفع الرباعي، تأكد من وجود علبة النقل في أحد أوضاع القيادة.

عند الخروج من السيارة، دومًا:

- استعمل فرامل التوقف.
- قم بوضع ناقل الحركة في الوضع PARK (التوقف).
- قم بإيقاف تشغيل المحرك.
- أخرج حافظة المفاتيح من السيارة.

تنبيه!
<ul style="list-style-type: none"> • لا تقم بتسريع المحرك عند نقل التروس من وضع PARK (التوقف) أو وضع NEUTRAL (اللاتعشيق) إلى نطاق ترس آخر لأن ذلك قد يتلف مجموعة الدفع والحركة. • قبل تحريك محدد تروس ناقل الحركة إلى خارج وضع PARK (التوقف)، يجب عليك بدء تشغيل المحرك وأيضًا الضغط على دواسة الفرامل. وإلا فقد يتلف محدد التروس.

ملاحظة:

إذا تعذر تحريك محدد التروس إلى وضع PARK (التوقف) أو وضع REVERSE (الرجوع للخلف) أو وضع NEUTRAL (اللاتعشيق) (عند الضغط للأمام)، فسيكون على الأرجح في الوضع AutoStick (العصا الأوتوماتيكية) (+/-) (إلى جانب وضع DRIVE (القيادة)). في وضع AutoStick (العصا الأوتوماتيكية)، يتم عرض ترس ناقل الحركة (1 أو 2 أو 3، إلخ) في مجموعة أجهزة القياس. حرك محدد التروس إلى اليمين (إلى وضع القيادة) للوصول إلى وضع التوقف والرجوع للخلف واللاتعشيق.

نطاقات التروس

لا تضغط على دواسة الوقود عند نقل التروس من وضع PARK (التوقف) أو NEUTRAL (اللاتعشيق) إلى نطاق ترس آخر.

ملاحظة:

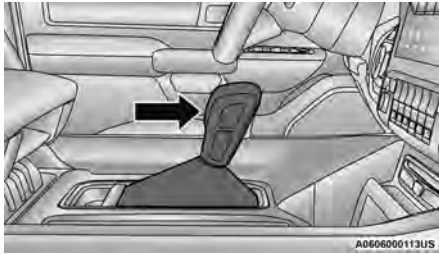
بعد اختيار أي وضع للتروس، انتظر قليلًا للسماح بتعشيق الترس المحدد قبل بدء التسارع. وهذا الأمر يعد هامًا عندما يكون المحرك باردًا.

التوقف (P)

يعتبر هذا النطاق مكملًا لفرامل التوقف إذ إنه يقوم بقلل ناقل الحركة. وبالإمكان بدء تشغيل المحرك عند وضع ناقل الحركة في هذا الوضع. امتنع منعًا باتًا عن استخدام وضع PARK (التوقف) أثناء تحرك السيارة. استعمل فرامل التوقف عند الخروج من السيارة في هذا النطاق.

يتم الانتقال من وضع DRIVE (القيادة) إلى وضع PARK (التوقف) أو REVERSE (الرجوع للخلف) عند تحرير دواسة الوقود وتوقف السيارة فقط. تأكد من إبقاء قدمك على دواسة الفرامل عند النقل بين هذه التروس.

يوفر محدد ترس ناقل الحركة أوضاع التبديل PARK (التوقف) و REVERSE (الرجوع للخلف) و NEUTRAL (اللاتعشيق) و SPORT (الرياضة) الخاصة بوضع AutoStick (العصا الأوتوماتيكية). يمكن إجراء النقلات اليدوية باستخدام مفتاح التحكم في نقل الحركة الخاص بالعصا الأوتوماتيكية AutoStick. يعمل تبديل محدد التروس إلى الأمام (-) أو إلى الخلف (+) أثناء تنشيط وضع SPORT (الرياضة) (الخاص بوضع AutoStick العصا الأوتوماتيكية) (إلى جانب وضع DRIVE (القيادة))، أو الضغط على ذراعي التبديل (+/-) (إذا كانت السيارة مزودة بذلك)، على تحديد ترس ناقل الحركة يدوياً، وسيعرض الترس الحالي في مجموعة أجهزة القياس صفحة ١٤٦.



محدد التروس

ناقل الحركة بالكونسول — إذا كانت السيارة مزودة بذلك
يتم عرض نطاق ترس ناقل الحركة بجانب محدد التروس وفي مجموعة أجهزة القياس. لتحديد نطاق أحد التروس، اضغط على زر القفل بمحدد التروس وحرك المحدد للخلف أو للأمام. لتحريك ذراع النقل خارج وضع التوقف (P)، يجب تشغيل المحرك والضغط على دواسة الفرامل. يجب أيضاً أن تضغط على دواسة الفرامل للانتقال من وضع اللاتعشيق (N) إلى وضع القيادة (D) أو الرجوع للخلف (R)، عند توقف السيارة أو تحركها بسرعات منخفضة. حدد نطاق DRIVE (القيادة) للقيادة العادية.

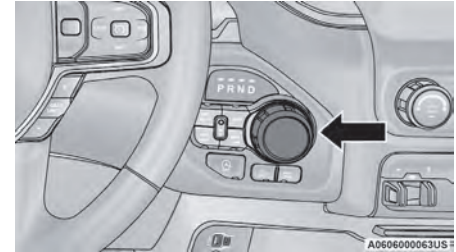
ملاحظة:

- وتتميز الأجهزة الإلكترونية لناقل الحركة بالمعايرة الذاتية، لذا قد تلاحظ تقطعات فجائية خلال تبديلات التروس الأولى في السيارة الجديدة الاستعمال. وهذا الأمر طبيعي ويتم الرجوع إلى سرعات الانتقال عالية الدقة بعد القيادة لبضعة مئات من الكيلومترات (الأميال).

- في حالة عدم وجود تطابق بين موضع محدد التروس وترس ناقل الحركة الفعلي (على سبيل المثال، يحدد السائق PARK (التوقف) أثناء القيادة)، يومض مؤشر الموضع بشكل مستمر حتى يتم إرجاع المحدد إلى الموضع المناسب، أو يمكن إكمال النقل المطلوب.

يقوم ناقل الحركة الذي يتم التحكم به إلكترونياً بتهيئة جدول نقل تروسه وفقاً لإدخالات السائق بالإضافة إلى الظروف البيئية وظروف الطريق.

يتم الانتقال من وضع DRIVE (القيادة) إلى وضع PARK (التوقف) أو REVERSE (الرجوع للخلف) عند تحرير دواسة الوقود وتوقف السيارة فقط. تأكد من إبقاء قدمك على دواسة الفرامل عند النقل بين هذه التروس. يضم محدد ترس ناقل الحركة أوضاع PARK (التوقف) و REVERSE (الرجوع للخلف) و NEUTRAL (اللاتعشيق) و DRIVE (القيادة) فقط. يمكن القيام بالنقلات اليدوية لترس أدنى باستخدام مفتاح التحكم في نقل الحركة الخاص بالاختيار الإلكتروني للنطاق (ERS). يؤدي الضغط على مفتاحي GEAR/“-” و GEAR “+” (بعجلة القيادة) في أثناء التواجد في وضع DRIVE (القيادة) على تحديد أعلى ترس ناقل حركة متاح، وعرض حد هذا الترس في مجموعة أجهزة القياس كـ 1، 2، 3، وما إلى ذلك. صفحة ١٤٥. ستعرض بعض الطرز حد الترس المحدد والترس الحالي الفعلي، عند تحديد وضع الاختيار الإلكتروني للنطاق (ERS).



محدد ترس ناقل الحركة الإلكتروني

8-ناقل الحركة الأوتوماتيكي الثماني السرعات

الدوار — إذا كانت السيارة مزودة بذلك

يتم التحكم في ناقل الحركة باستخدام محدد التروس الإلكترونية الدوار الموجود بلوحة أجهزة القياس. يتم عرض نطاق ترس ناقل الحركة (PRND) فوق محدد التروس وفي مجموعة أجهزة القياس. لتحديد نطاق أحد التروس، أدر ببساطة محدد التروس. يجب عليك الضغط على دواسة الفرامل لنقل ناقل الحركة خارج وضع PARK (التوقف) (أو من وضع NEUTRAL (اللاتعشيق) عند توقف السيارة أو الحركة بسرعات منخفضة). للانتقال متجاوزاً عدة نطاقات للتروس دفعة واحدة (كالانتقال من وضع PARK (التوقف) إلى وضع DRIVE (القيادة))، أدر ببساطة محدد التروس إلى الحاسبة المناسبة. حدد نطاق DRIVE (القيادة) للقيادة العادية.

ملاحظة:

في حالة عدم وجود تطابق بين موضع محدد التروس وترس ناقل الحركة الفعلي (على سبيل المثال، يحدد السائق PARK (التوقف) أثناء القيادة)، يوضع مؤشر الموضع بشكل مستمر حتى يتم إرجاع المحدد إلى الموضع المناسب، أو يمكن إكمال النقل المطلوب. يقوم ناقل الحركة الذي يتم التحكم به إلكترونياً بتعيين جدول نقل تروسه وفقاً لإدخالات السائق بالإضافة إلى الظروف البيئية وظروف الطريق. وتتميز الأجهزة الإلكترونية لناقل الحركة بالمعايرة الذاتية، لذا قد تلاحظ تقطعات فجائية خلال تبديلات التروس الأولى في السيارة الجديدة الاستعمال. وهذا الأمر طبيعي ويتم الرجوع إلى سرعات الانتقال عالية الدقة بعد القيادة لبضعة مئات من الكيلومترات (الأميال).

نظام ترابط وضع التوقف مع مفتاح التشغيل

هذه السيارة مزودة بنظام ترابط وضع التوقف مع مفتاح التشغيل والذي يتطلب تحريك ناقل الحركة إلى وضع PARK (التوقف) (P) قبل التمكن من إدارة مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل). وسوف يساعد هذا السائق لتجنب ترك السيارة بشكل غير مقصود دون وضع ناقل الحركة في وضع PARK (التوقف). كما يقوم هذا النظام أيضاً باحتجاز ناقل الحركة في وضع PARK (التوقف) عندما يكون مفتاح التشغيل في وضع OFF (إيقاف التشغيل).

ملاحظة:

لن يتم تبديل ناقل الحركة خارج وضع PARK (التوقف) إذا كان المحرك لا يعمل حتى عند استخدام الفرامل. تأكد من أن ناقل الحركة في وضع PARK (التوقف)، ومفتاح التشغيل في وضع OFF (إيقاف التشغيل) (ليس في وضع ACC (الملحقات)) قبل الخروج من السيارة.

نظام ترابط الفرامل/ناقل الحركة (BTSI)

هذه السيارة مزودة بنظام ترابط الفرامل/ناقل الحركة (BTSI) والذي يحتفظ بمحدد ترس ناقل الحركة في وضع PARK (التوقف) ما لا يتم الضغط على الفرامل. لتحريك ذراع النقل خارج وضع PARK (التوقف)، يجب تشغيل المحرك والضغط على دواسة الفرامل. يجب الضغط على دواسة الفرامل للانتقال من وضع NEUTRAL (اللاتعشيق) إلى DRIVE (القيادة) أو REVERSE (الرجوع للخلف) عندما تكون السيارة متوقفة أو متحركة بسرعة منخفضة.

تحذير!

- لا تترك أبداً الأطفال بمفردهم في السيارة أو تسمح لهم بالاقتراب من سيارة غير مقفلة. يعد ترك الأطفال في السيارة من دون مراقبة أمراً خطراً لأسباب عديدة. فقد يصاب الأطفال أو الآخرون بإصابات خطيرة أو مميتة. وعليه يجب التنبيه على الأطفال بعدم لمس فرامل التوقف أو دواسة الفرامل أو محدد ترس ناقل الحركة.
- لا تترك حافظة المفاتيح في السيارة أو بالقرب منها (أو في مكان يتمكن الأطفال من الوصول إليه)، ولا تترك مفتاح التشغيل في وضع ACC (الملحقات) أو ON/RUN (التشغيل/الانطلاق). فباستطاعة الأطفال تشغيل النوافذ العاملة بالطاقة وأزرار التحكم الأخرى أو تحريك السيارة.

تنبيه!

- قد يتعرض ناقل الحركة للتلف إذا لم تراعى الاحتياطات الواردة أدناه:
- انتقل إلى وضع PARK (التوقف) أو وضع REVERSE (الرجوع للخلف) أو قم بالنقل خارجهما فقط بعد إيقاف السيارة تماماً.
 - لا تقم بالتبديل بين وضع PARK (التوقف) أو وضع REVERSE (الرجوع للخلف) أو وضع NEUTRAL (اللاتعشيق) أو وضع DRIVE (القيادة) عندما تكون سرعة المحرك أكبر من سرعة التباطؤ.
 - قبل تحريك ذراع تغيير التروس إلى أي ترس تأكد من وضع قدمك على دواسة الفرامل بصورة محكمة.

ناقل الحركة الأوتوماتيكي

يجب الضغط مطولاً على دواسة الفرامل أثناء الخروج من وضع PARK (التوقف).

تحذير!

- لا تستخدم وضع التوقف PARK كبديل لفرامل التوقف. واستخدم فرامل التوقف دائماً بصورة كاملة عند مغادرة السيارة لتفادي تحرك السيارة وحدوث إصابة أو تلف محتمل.
- قد تتحرك سيارتك وتتسبب في إصابتك والآخرين إذا لم تكن في وضع PARK (التوقف). تحقق من ذلك عن طريق محاولة تحريك محدد ترس ناقل الحركة خارج وضع PARK (التوقف) مع تحرير دواسة الفرامل. تأكد من وجود ناقل الحركة في وضع PARK (التوقف) قبل مغادرة السيارة.
- قد لا يتم تعشيق ناقل الحركة في وضع PARK (التوقف) إذا كانت السيارة تتحرك. احرص دائماً على أن تتوقف السيارة تماماً قبل النقل لوضع PARK (التوقف)، وتحقق من أن مؤشر وضع ترس ناقل الحركة يشير بثبات إلى وضع PARK (التوقف) من دون وميض. تأكد من توقف السيارة تماماً، ومن الإشارة إلى وضع PARK (التوقف) بشكل صحيح، قبل مغادرة السيارة.

(تابع)

Uconnect في سيارتك. ستقوم هذه القائمة المعتمدة على النظام بتوجيهك من خلال الخطوات اللازمة لتفاعل مشغل فرامل التوقف الكهربائية (EPB) من أجل إجراء صيانة الفرامل الخلفية.

لكي يتم تنشيط وضع الخدمة يجب استيفاء بعض المتطلبات:

- يجب أن تكون السيارة في متوقفة.
- يجب ألا تكون فرامل التوقف مستخدمة.
- يجب أن يكون ناقل الحركة في وضع PARK (التوقف) أو NEUTRAL (اللاتعشيق).

أثناء تشغيل وضع الخدمة، سيومض مصباح عطل فرامل التوقف الكهربائية (EPB) بشكل مستمر أثناء وجود مفتاح الإشعال في ON/RUN.

عند اكتمال أعمال صيانة الفرامل، يجب اتباع الخطوات التالية لإعادة ضبط نظام فرامل التوقف إلى التشغيل العادي:

- تأكد من أن السيارة متوقفة.
- اضغط على دواسة الفرامل بقوة معتدلة.
- استخدم مفتاح فرامل التوقف الكهربائية (EPB).

تحذير!

يمكنك أن تتعرض للإصابة في حالة العمل داخل أحد المحركات أو حوله. قم بإجراء أعمال الصيانة التي تتوفر لديك المعلومات والمعدات الخاصة بها. وإذا تشككت في قدرتك على إجراء أعمال الخدمة في السيارة، خذ سيارتك إلى أحد فنيي الميكانيكا المؤهلين.

تحذير!

- إن تغيير التروس من وضع PARK (التوقف) أو وضع NEUTRAL (اللاتعشيق) عندما تكون سرعة المحرك أعلى من سرعة التباطؤ ينطوي على خطورة. فإذا لم تكن قدمك على دواسة الفرامل بأكملها، فباستطاعة السيارة التعجيل نحو الأمام أو الخلف بسرعة عالية. وقد تفقد السيطرة على السيارة وترطم بأحد أو بشيء ما. قم بتغيير التروس فقط عند تباطؤ المحرك بشكل طبيعي بينما تكون قدمك على دواسة الفرامل بصورة تامة.
- تؤدي حركة السيارة بشكل غير مقصود إلى إصابة من يقف داخل السيارة أو بالقرب منها. وبالنسبة لجميع السيارات، لا ينبغي عليك مطلقاً مغادرة السيارة أثناء تشغيل المحرك. قبل الخروج من السيارة، قم بإيقافها بالكامل، ثم استعمل فرامل التوقف، وحرك ناقل الحركة إلى وضع PARK (التوقف)، وقم بإدارة مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل). عندما يكون مفتاح التشغيل في وضع OFF (إيقاف التشغيل)، يتم احتجاز ناقل الحركة في وضع PARK (التوقف) لتأمين السيارة من أي حركة محتملة غير مرغوبة.
- عند الخروج من السيارة، تأكد دوماً أن مفتاح التشغيل في وضع OFF (إيقاف التشغيل)، وقم بإزالة حافظة المفاتيح من السيارة وقفل السيارة.

(تابع)

يتم تشغيل فرامل التوقف أوتوماتيكياً في حال توافر جميع الشروط الآتية:

- السيارة متوقفة.
- لا توجد محاولة للضغط على دواسة الفرامل ودواسة الوقود.
- حزام الأمان غير مربوط.
- باب السائق مفتوح.

يمكن تجاوز ميزة SafeHold (الإيقاف الآمن) بشكل مؤقت بالضغط على مفتاح فرامل التوقف الكهربائية (EPB) في أثناء فتح باب السائق. وبمجرد تجاوزها يدوياً، فسيتم تمكين ميزة الإيقاف الآمن مرة أخرى بمجرد وصول سرعة السيارة إلى 20 كم/ساعة (12 ميلاً/ساعة) أو إدارة مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل)، ثم إلى وضع ON (التشغيل) مرة أخرى.

وضع صيانة الفرامل

ننصح بصيانة الفرامل بواسطة وكيل معتمد. ينبغي عليك أن تقوم فقط بالإصلاحات التي لديك معرفة بها ولديك المعدات المناسبة لها. يجب عليك فقط أن تدخل إلى وضع خدمة الفرامل أثناء خدمة الفرامل.

عند صيانة الفرامل الخلفية، قد يكون من الضروري أن تقوم أنت أو الفني بدفع المكبس الخلفي في الجزء الخلفي من تجويف الآليات الفكية. يفضل استخدام نظام فرامل التوقف الكهربائية (EPB)، لا يمكن القيام بذلك إلا بعد سحب مشغل فرامل التوقف الكهربائية (EPB). لحسن الحظ، يمكن القيام برد فعل المشغل بسهولة عن طريق الدخول إلى وضع صيانة الفرامل من خلال "إعدادات نظام

في حال حدوث عطل في نظام فرامل التوقف الكهربائية (EPB)، سيضيء ضوء تحذير فرامل التوقف الكهربائية (EPB) الأصفر. وقد يكون ذلك مصحوباً بوميض ضوء تحذير BRAKE (الفرامل). وفي هذه الحالة، تكون بحاجة إلى الصيانة العاجلة لنظام فرامل التوقف الكهربائية (EPB). لا تعتمد على فرامل التوقف لإبقاء السيارة متوقفة.

Auto Park Brake (فرامل التوقف الأوتوماتيكي)

يمكن برمجة فرامل التوقف الكهربائية (EPB) ليتم استخدامها تلقائياً عندما تكون السيارة متوقفة مع وجود ناقل الحركة الأوتوماتيكي في وضع PARK (التوقف)، أو كلما تمت إدارة مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل) في حال ناقل الحركة اليدوي. يتم تمكين فرامل التوقف الأوتوماتيكي وتعطيلها عن طريق اختيار العميل من خلال الميزات القابلة للبرمجة بواسطة العميل في قسم إعدادات نظام Uconnect.

يمكن تجاوز أي تشغيل فردي لفرامل التوقف الأوتوماتيكي بالضغط على مفتاح EPB (فرامل التوقف الكهربائية) إلى وضع التحذير في أثناء وجود ناقل الحركة في وضع PARK (التوقف).

ميزة الإيقاف الآمن

تعتبر ميزة SafeHold (الإيقاف الآمن) إحدى ميزات الأمان لنظام فرامل التوقف الكهربائية (EPB) التي تقوم بتشغيل فرامل التوقف أوتوماتيكياً في حالة ترك السيارة بشكل غير آمن مع وجود مفتاح التشغيل في وضع ON (التشغيل) / RUN (الانطلاق).

تنبيه!

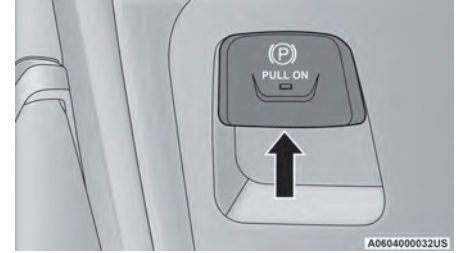
إذا استمر "ضوء تحذير الفرامل" في الإضاءة بعد تحرير فرامل التوقف، فإن ذلك يشير إلى احتمال وجود خلل بنظام الفرامل. قم بفحص نظام الفرامل لدى الوكيل المعتمد على الفور.

إذا جعلت بعض الظروف الاستثنائية من الضروري تشغيل فرامل التوقف أثناء تحرك السيارة، فحافظ على الضغط لأعلى على مفتاح فرامل التوقف الكهربائية (EPB) ما دام التشغيل مطلوباً. يضيء ضوء مؤشر BRAKE (الفرامل)، وتصدر إشارة صوتية مستمرة. كما ستضيء أيضاً مصابيح التوقف الخلفية أوتوماتيكياً أثناء تحرك السيارة.

لإلغاء تشغيل فرامل التوقف أثناء تحرك السيارة، قم بتحرير المفتاح. إذا تم إيقاف السيارة تماماً باستخدام فرامل التوقف، فسوف تظل فرامل التوقف قيد التشغيل عندما تصل سرعة السيارة إلى ما يقرب من 5 كم/ساعة (3 أميال/ساعة).

تحذير!

قد تتسبب قيادة السيارة أثناء تشغيل فرامل التوقف أو الاستخدام المتكرر لفرامل التوقف من أجل إبقاء السيارة في حدوث تلف بالغ لنظام الفرامل. تأكد من إطلاق فرامل التوقف قبل البدء بقيادة السيارة: لأن عدم القيام بذلك قد يؤدي إلى عطل الفرامل ووقوع حادث.



مفتاح فرامل التوقف الكهربائية

لاستخدام فرامل التوقف يدويًا، قم بجذب المفتاح لأعلى لفترة وجيزة. قد تسمع صوتًا طفيفًا من الجزء الخلفي للسيارة في أثناء تشعيق فرامل التوقف. بمجرد تشعيق فرامل التوقف بالكامل، سيضيء ضوء مؤشر BRAKE (الفرامل) في مجموعة أجهزة القياس، وسيضيء المؤشر على المفتاح. إذا كانت قدمك على دواسة الفرامل أثناء تشعيق فرامل التوقف، فقد تلاحظ مقدارًا قليلًا من حركة دواسة الفرامل. يمكن استخدام فرامل التوقف حتى عندما يكون مفتاح التشغيل في وضع OFF (إيقاف التشغيل) ولكن لن يضيء ضوء مؤشر BRAKE (الفرامل)، على أنه يمكن تحريرها فقط عندما يكون مفتاح التشغيل في وضع ON/ RUN (التشغيل/ الانطلاق).

ملاحظة:

يضيء ضوء تحذير فرامل التوقف الكهربائية (EPB) إذا تم الضغط على مفتاح فرامل التوقف الكهربائية (EPB) لأكثر من 20 ثانية في وضع تحرير الفرامل أو وضع استخدام الفرامل. وينطفئ الضوء عند تحرير المفتاح.

في حالة تمكين ميزة فرامل التوقف الأوتوماتيكي، سيتم تشعيق فرامل التوقف أوتوماتيكيًا عند وضع ناقل الحركة في وضع PARK (التوقف)، أو عند إدارة مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل) في حالة ناقل الحركة اليدوي. إذا كانت قدمك على دواسة الفرامل، فقد تلاحظ مقدارًا قليلًا من حركة دواسة الفرامل أثناء تشعيق فرامل التوقف.

يتم تحرير فرامل التوقف أوتوماتيكيًا عند إدارة مفتاح التشغيل إلى وضع ON (التشغيل)، مع وجود ناقل الحركة في وضع DRIVE (القيادة) أو REVERSE (الرجوع للخلف) وربط حزام أمان مقعد السائق والقيام بمحاولة القيادة بعيدًا.

لتحرير فرامل التوقف يدويًا، يجب أن يكون مفتاح التشغيل في وضع ON/RUN (التشغيل/ الانطلاق). ضع قدمك على دواسة الفرامل، ثم اضغط لأسفل على مفتاح فرامل التوقف لفترة وجيزة. قد تسمع صوت أزيز بسيط من الجزء الخلفي للسيارة أثناء فصل تشعيق فرامل التوقف. يمكنك أيضًا ملاحظة مقدارًا صغيرًا من حركة دواسة الفرامل. بمجرد تحرير فرامل التوقف بالكامل، سيضيء ضوء مؤشر BRAKE (الفرامل) في مجموعة أجهزة القياس، وسينطفئ مؤشر LED على المفتاح.

عند التوقف على تل، من المهم تدوير العجلات الأمامية إلى حافة الرصيف على المنحدر وبعيدًا عن حافة الرصيف على المرتفع. استعمل فرامل التوقف قبل وضع محد التروس في وضع PARK (التوقف)، وإلا فإن الحمل الموجود على آلية قفل ناقل الحركة قد يجعل من الصعب تحريك محد التروس إلى خارج وضع PARK (التوقف).

تحذير!

- لا تستخدم وضع التوقف PARK كبديل لفرامل التوقف. واستعمل فرامل التوقف دائمًا بصورة كاملة لتفادي تحرك السيارة وحدوث إصابات.
- عند مغادرتك السيارة، قم دائمًا بإخراج حافظة المفاتيح من مفتاح التشغيل وأقفلها.
- لا تترك أبدًا الأطفال بمفردهم في السيارة أو تسمح لهم بالاقتراب من سيارة غير مغلقة. يعد ترك الأطفال في السيارة من دون مراقبة أمرًا خطيرًا لأسباب عديدة. فقد يصاب الأطفال أو الآخرون بإصابات خطيرة أو مميتة. ومن ثم، يجب التنبيه على الأطفال بعدم لمس فرامل التوقف أو دواسة الفرامل أو محد التروس.
- لا تترك حافظة المفاتيح في السيارة أو بالقرب منها، أو في مكان يتمكن الأطفال من الوصول إليه، ولا تترك سيارة مزودة بميزة دخول السيارة دون مفتاح Keyless Enter 'n Go™ في وضع ACC (الملحقات) أو وضع ON/RUN (التشغيل/ الانطلاق). فباستطاعة الأطفال تشغيل النوافذ العاملة بالطاقة وأزرار التحكم الأخرى أو تحريك السيارة.
- تأكد من إطلاق فرامل التوقف قبل البدء بقيادة السيارة: لأن عدم القيام بذلك قد يؤدي إلى عطل الفرامل ووقوع حادث.
- قم دائمًا باستخدام فرامل التوقف عند ترك السيارة، وإلا فقد تتقلب السيارة وتتسبب في تلف الممتلكات أو الإصابات. تأكد أيضًا من ترك ناقل الحركة في وضع PARK (التوقف). إن عدم تنفيذ ذلك قد يتسبب في تدرج السيارة وحدوث تلفيات أو إصابات.

ملاحظة:

افحص زيت المحرك مع كل تزود للوقود وقم بإضافته إذا لزم الأمر. قد يكون استهلاك الزيت والوقود أعلى خلال أول فترة تغيير للزيت. قد يؤدي تشغيل المحرك عندما تكون مستويات الزيت أدنى من علامة الإضافة إلى حدوث تلف بالغ في المحرك.

فرامل التوقف

فرامل التوقف الكهربائية (EPB)

يتم تزويد سيارتك بنظام فرامل التوقف الكهربائية (EPB) الذي يوفر التشغيل السهل، وبعض الميزات الإضافية التي تجعل فرامل التوقف أكثر راحة وفائدة.

تهدف فرامل التوقف بشكل أساسي إلى منع انزلاق السيارة أثناء التوقف. قبل مغادرة السيارة، تأكد من التعشيق الكامل لفرامل التوقف. تأكد أيضًا من ترك ناقل الحركة في وضع PARK (التوقف).

يمكنك تعشيق فرامل التوقف بطريقتين:

- يدويًا، عن طريق استخدام مفتاح فرامل التوقف.
- أوتوماتيكيًا، عن طريق تمكين ميزة فرامل التوقف الأوتوماتيكي في قسم الميزات القابلة للبرمجة بواسطة العميل في إعدادات نظام Uconnect.

يوجد مفتاح فرامل التوقف في لوحة أجهزة القياس على يسار عجلة القيادة (أسفل مفتاح المصباح الأمامي).

- قم بقيادة السيارة بحيث تكون سرعة المحرك أقل من 3500 دورة في الدقيقة.
- حافظ على سرعة السيارة أقل من 88 كم/ساعة (55 ميلا/ساعة) مع مراعاة حدود السرعة المحلية.
- 161 إلى 483 كم (100 إلى 300 ميل):
- اضغط على دواسة الوقود ببطء ولا تتجاوز أكثر من المنتصف عند الضغط لتجنب التسارع المطرد في التروس الأقل (التروس الأول إلى الترس الثالث).
- تجنب الفرملة العنيفة.
- قم بقيادة السيارة بحيث تكون سرعة المحرك أقل من 5000 دورة في الدقيقة.
- حافظ على سرعة السيارة أقل من 112 كم/ساعة (70 ميلا/ساعة) مع مراعاة حدود السرعة المحلية.
- 483 إلى 805 كم (300 إلى 500 ميل):
- قم بتنفيذ النطاق الكامل لسرعة دوران المحرك (RPM)، مع النقل يدويًا (الدواسات أو نقل التروس) عند أعلى عدد دورات للمحرك في الدقيقة، إذا أمكن ذلك.
- تجنب التشغيل المستمر عندما تكون دواسة الوقود في وضع فتح صمام الاختناق بشكل واسع.
- حافظ على سرعة السيارة أقل من 136 كم/ساعة (85 ميلا/ساعة) مع مراعاة حدود السرعة المحلية.
- لأول 2414 كم (1500 ميل):
- لا تشارك في أنشطة القطر أو السير على الطرق غير الممهدة العالية السرعة أو الأنشطة المشابهة.

تنبيه!

لا تستخدم زيتًا بدون مواد منظفة للمحرك أو زيتًا معدنيًا خالصًا في المحرك حتى لا يحدث تلف به.

ملاحظة:

قد يستهلك المحرك الجديد بعض الزيت خلال الكيلومترات (الأميال) الألف الأولى من التشغيل. هذا أمر طبيعي خلال مرحلة التليين، ويجب ألا يُفسر على أنه خلل. يُرجى التحقق من مستوى الزيت باستخدام مؤشر زيت المحرك بشكل معتاد أثناء فترة التليين. أضف الزيت حسب الحاجة.

توصيات تليين المحرك — محرك 6.2 لتر

ستكون التلميحات التالية مفيدة في الحصول على الأداء المثالي وأقصى قدرة من التحمل لسيارتك الجديدة.

ويحدث تليين المحرك بصورة رئيسية في أول 805 كم (500 ميل) ويستمر في خلال أول فترة تغيير للزيت. يُوصى بأن يراعي المشغل سلوكيات القيادة التالية أثناء فترة التليين:

0 إلى 161 كم (0 إلى 100 ميل):

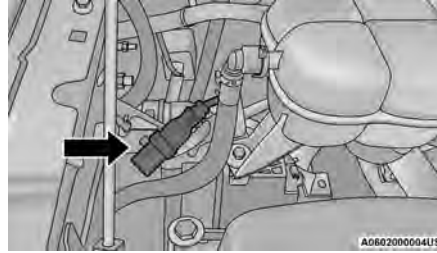
- لا تسمح بتشغيل المحرك في وضع التباطؤ لفترة طويلة من الوقت.
- اضغط على دواسة الوقود ببطء ولا تتجاوز في الضغط لأكثر من المنتصف لتجنب التسارع المطرد.
- تجنب الفرملة العنيفة.

توصيات بشأن تليين المحرك — المحركات سعة 3.6 لترات و5.7 لترات

لا يحتاج المحرك ومجموعة الدفع والحركة (ناقل الحركة ومحور التوجيه) في سيارتك إلى فترة تليين طويلة. انطلق بسرعة معتدلة خلال أول 500 كم (300 ميل). بعد أول 100 كم (60 ميلاً)، تصبح السرعات التي تصل إلى 80 أو 90 كم/ساعة (50 أو 55 ميل/ساعة) مرغوبة.

عند قيادة السيارة، يُفَضَّل تعجيل السرعة بفتح صمام الاختناق قليلاً بالضغط على دواسة الوقود لفترة قصيرة مع التقيد بأنظمة السير المحلية. وقد يكون التسارع بفتح صمام الاختناق إلى أقصى درجة في التروس المنخفضة ضاراً ويجب تجنبه.

يمتاز زيت المحرك الذي يضعه المصنع في المحرك بجودة عالية تحافظ على الطاقة. ويجب تغيير الزيت بانتظام وحسب مقتضيات الظروف المناخية المحيطة بالسيارة. لمعرفة درجات اللزوجة والجودة الموصى بها



موقع سلك سخان كتلة المحرك

يتم تمرير سلك سخان كتلة المحرك أسفل غطاء المحرك على جانب الراكب من السيارة بالقرب من خزان سائل تبريد المحرك.

تحذير!

تذكر فصل سلك سخان كتلة المحرك قبل القيادة. قد يتسبب تلف سلك التيار الكهربائي الذي تتراوح شدته من 110 إلى 115 فولت في حدوث صدمة كهربائية.

وإذا كان المحرك في حالة غمر، فقد يبدأ في الدوران ولكنه يفقد إلى الطاقة التي تمكنه من الاستمرار في الدوران عند تحرير الزر/المفتاح. عندما يحدث ذلك، استمر في إدارة المحرك مع الضغط على دواسة الوقود حتى تصل بها إلى أرضية السيارة. حرر دواسة الوقود وزر التشغيل/مفتاح التشغيل بمجرد دوران المحرك بسلاسة.

إذا لم يُظهر المحرك أي إشارة تدل على بدء العمل بعد محاولة إدارته لمدة 10 ثوانٍ مع تثبيت دواسة الوقود على الأرض، فانتظر لمدة من 10 إلى 15 ثانية، ثم كرر إجراء "بدء التشغيل العادي".

بعد البدء

يتم التحكم في سرعة التباطؤ أوتوماتيكياً وسوف تنخفض هذه السرعة عند سخونة المحرك.

سخان كتلة المحرك — إذا كانت السيارة مزودة بذلك

يقوم سخان كتلة المحرك بتسخين سائل تبريد المحرك ويسمح بعمليات تشغيل أسرع للمحرك في الطقس البارد. قم بتوصيل سلك السخان بمنفذ تيار كهربائي متردد تتراوح شدته من 110 إلى 115 فولت محمي بقاطع حماية من أخطاء التأريض مع سلك تطويل مؤرض ثلاثي.

يتعشق محرك جهاز بدء التشغيل أوتوماتيكياً ويعمل لمدة 10 ثوان، ثم يفصل. عندئذ، حرر دواسة الوقود ودواسة الفرامل، وانتظر من 10 إلى 15 ثانية ثم كرر إجراء "بدء التشغيل العادي".

تحذير!

- لا تحاول أبداً تشغيل السيارة بسكب الوقود أو أي سائل آخر قابل للاشتعال في منفذ الهواء الخاص بالصمام الخانق. لأن ذلك يتسبب في ظهور وميض ناري مفاجئ قد يؤدي إلى إصابات شخصية جسيمة.
- لا تحاول دفع أو سحب سيارتك لبدء تشغيل السيارة. السيارات المزودة بنقل حركة أوتوماتيكي لا يمكن بدء تشغيلها بهذه الطريقة. فقد يصل الوقود غير المحترق إلى المحول الحفاز ليشتعل بمجرد اشتغال المحرك مما يؤدي إلى تلف المحول والسيارة.
- فإذا كانت البطارية غير مشحونة، يمكن استخدام أسلاك مُعززة للحصول على شحنة البدء من بطارية مُعززة أو من سيارة أخرى. قد يكون هذا النوع من بدء التشغيل خطراً إذا تم بطريقة غير صحيحة، لذا قم بتنفيذ هذا الإجراء بحرص.

تنبيه!

ولكي تمنع حدوث التلف بجهاز بدء التشغيل، لا تقم بإدارة المحرك لأكثر من 10 ثانية في المرة الواحدة. انتظر من 10 إلى 15 ثانية قبل إجراء المحاولة مرة أخرى.

اضغط مطولاً على دواسة الفرامل في أثناء الضغط على الزر ENGINE START/STOP (بدء تشغيل/إيقاف المحرك) مرة واحدة.

3. إذا لم يبدأ تشغيل المحرك في خلال 10 ثوان، فانتظر من 10 إلى 15 ثانية حتى يبرد بادئ التشغيل، ثم كرر إجراء التشغيل بعد التوقف الطويل.
4. إذا فشل تشغيل المحرك بعد ثماني محاولات، فاترك البادئ ليبرد لمدة 10 دقائق على الأقل، ثم كرر إجراء التشغيل بعد التوقف الطويل.

تنبيه!

ولكي تمنع حدوث التلف بجهاز بدء التشغيل، لا تقم بإدارة المحرك بشكل متواصل لأكثر من 10 ثوان في المرة الواحدة. انتظر من 10 إلى 15 ثانية قبل إجراء المحاولة مرة أخرى.

إذا لم يبدأ تشغيل المحرك

إذا لم يبدأ تشغيل المحرك بعد اتباعك إجراء "Normal Starting" (بدء التشغيل العادي) ولم يتم إيقاف السيارة لفترة طويلة كما هو محدد مسبقاً، فقد يكون في حالة غمر. اضغط على دواسة الوقود حتى تصل إلى أرضية السيارة ثم أبق قدمك على هذا الوضع مع تشغيل المحرك. ويؤدي اتباع هذه الخطوة إلى رفع أي مقدار زائد من الوقود في حال غمر المحرك.

التشغيل) ووضع ACC (الملحقات) ووضع ON/RUN (التشغيل/الانطلاق). ولتغيير مواضع مفتاح التشغيل من دون بدء تشغيل السيارة واستخدام الملحقات، اتبع الخطوات التالية:

1. بدء التشغيل أثناء وجود مفتاح التشغيل في وضع OFF (إيقاف التشغيل).
2. اضغط على زر ENGINE START/STOP (بدء تشغيل/إيقاف المحرك) مرة واحدة لتغيير مفتاح التشغيل إلى وضع ACC (الملحقات).
3. اضغط على زر ENGINE START/STOP (بدء تشغيل/إيقاف المحرك) مرة ثانية لوضع مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق).
4. اضغط على زر ENGINE START/STOP (بدء تشغيل/إيقاف المحرك) مرة ثالثة لإعادة مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل).

بدء التشغيل بعد التوقف الطويل

ملاحظة:

تحدث حالة التوقف الطويل في حالة عدم تشغيل السيارة أو قيامتها لمدة 30 يوماً على الأقل.

1. ثبت شاحن بطارية أو كابلات توصيل بالبطارية لضمان شحن البطارية بالكامل أثناء دورة تشغيل المحرك.
2. ضع مفتاح التشغيل في وضع START (بدء التشغيل) ثم حرره عند بدء دوران المحرك. بالنسبة إلى أنظمة التشغيل المزودة بميزة الحركة والتشغيل من دون مفتاح Keyless Enter 'n Go™،

سيتم عرض الرسالة "AutoPark Not Engaged" (لم يتم تشغيل ميزة التوقف الأوتوماتيكي) في مجموعة أجهزة القياس. سيتم إصدار إشارة تحذير صوتية حتى تقوم بنقل السيارة إلى وضع PARK (التوقف) أو بإغلاق باب السائق.

تحقق دوماً بعينيك من أن سيارتك في وضع PARK (التوقف) بالبحث عن "P" في شاشة عرض مجموعة أجهزة القياس وبقرّب محدد التروس. لمزيد من الاحتياط، استخدم دائماً فرامل التوقف عند الخروج من السيارة.

ميزة بادئ التشغيل بالنقرة

لا تضغط على دواسة الوقود. أدر مفتاح التشغيل برفق إلى وضع START (بدء التشغيل)، وحرره. يستمر محرك بادئ التشغيل في العمل، وسيتم فصله أوتوماتيكياً أثناء عمل المحرك.

— التشغيل عبر ميزة الحركة والتشغيل من دون مفتاح 'N' KEYLESS ENTER GO™

تتيح هذه الميزة للسائق تشغيل مفتاح التشغيل بضغط زر ما دامت حافظة مفاتيح نظام بدء التشغيل عن بُعد/الدخول من دون مفتاح Keyless Enter 'n Go™ في مقصورة الركاب.

بدء التشغيل العادي باستخدام زر ENGINE START/STOP (بدء تشغيل/إيقاف المحرك)

لتشغيل المحرك باستخدام زر ENGINE START/STOP (بدء تشغيل/إيقاف تشغيل المحرك)

1. يجب أن يكون ناقل الحركة في وضع PARK (التوقف).

2. اضغط مطولاً على دواسة الفرامل مع الضغط على الزر ENGINE START/STOP (بدء تشغيل/إيقاف المحرك) مرة واحدة.

3. يبدأ النظام تشغيل السيارة. إذا لم يبدأ تشغيل السيارة، فسيوقف جهاز بدء التشغيل أوتوماتيكياً بعد 10 ثوان.

4. إذا رغبت في إيقاف بدء تدوير المحرك قبل تشغيله، فاضغط على الزر مرة ثانية.

لإيقاف تشغيل المحرك باستخدام الزر ENGINE START/STOP (بدء تشغيل/إيقاف تشغيل المحرك)

1. ضع محدد التروس في وضع PARK (التوقف)، ثم اضغط على الزر ENGINE START/STOP (بدء تشغيل/إيقاف المحرك) وحرره. يعود مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل).

2. إذا لم يكن محدد التروس في وضع PARK (التوقف)، فيجب الضغط على زر ENGINE START/STOP (بدء تشغيل/إيقاف المحرك) لمدة ثانيتين أو ثلاث ضغطات قصيرة عندما تكون سرعة السيارة أعلى من 8 كم/ساعة (5 أميال/ساعة) قبل أن يتوقف المحرك. سيظل مفتاح التشغيل في وضع

ACC (الملحقات) إلى أن يصبح محدد التروس في وضع PARK (التوقف) ويتم ضغط الزر مرتين إلى وضع OFF (إيقاف التشغيل).

3. إذا لم يكن محدد التروس في وضع PARK (الركن) وتم الضغط على زر ENGINE START/STOP (بدء تشغيل/إيقاف تشغيل المحرك) مرة واحدة، وكانت سرعة السيارة أعلى من 8 كم/الساعة (5 أميال/الساعة)، فستعرض مجموعة أجهزة القياس رسالة "Vehicle Not In Park" (السيارة ليست في وضع الركن) وسيستمر المحرك في العمل. لا تترك المركبة أبداً خارج وضع PARK (التوقف) كي لا تتدحرج.

ملاحظة:

إذا كان محدد التروس في وضع PARK (التوقف)، وتم الضغط على زر ENGINE START/STOP (بدء تشغيل/إيقاف تشغيل المحرك) مرة واحدة، وكانت سرعة السيارة أقل من 8 كم/الساعة (5 أميال/الساعة)، فسيتم إيقاف تشغيل المحرك وسيظل مفتاح التشغيل في وضع ACC (الملحقات). إذا انخفضت سرعة السيارة إلى أقل من 1.9 كم/الساعة (1.2 ميل/الساعة)، فقد تتحول السيارة إلى وضع AutoPark (الركن الأوتوماتيكي)  صفحة ١٣٢.

وظائف زر ENGINE START/STOP (بدء تشغيل/إيقاف المحرك) — عندما لا تكون قدم السائق على دواسة الفرامل (في وضع PARK (التوقف) أو NEUTRAL (اللاتشيق))

يعمل زر ENGINE START/STOP (بدء تشغيل/إيقاف تشغيل المحرك) بطريقة مشابهة لمفتاح التشغيل. يشتمل على ثلاثة مواضع: وضع OFF (إيقاف

تحذير!

إذا كانت سرعة السيارة أعلى من 1.9 كم/ساعة (1.2 ميل/ساعة)، فسيعود ناقل الحركة بصورة افتراضية إلى وضع اللاتعشيق حتى تنخفض سرعة السيارة إلى أقل من 1.9 كم/ساعة (1.2 ميل/ساعة). يمكن أن تتحرك السيارة التي يتم تركها في وضع NEUTRAL (اللاتعشيق). لمزيد من الاحتياطات، استخدم دائماً فرامل التوقف عند الخروج من السيارة.

4

نطاق الدفع الرباعي (4WD) المنخفض — إذا كانت السيارة مزودة بذلك

سيتم تعطيل ميزة AutoPark (التوقف الأوتوماتيكي) عند تشغيل السيارة في وضع 4WD LOW (الدفع الرباعي المنخفض).

سيتم عرض الرسالة "AutoPark Disabled" (تم تعطيل ميزة التوقف الأوتوماتيكي) في مجموعة أجهزة القياس.

سيتم توفير تحذيرات إضافية للتعامل عند استيفاء كل الشروط التالية:

- السيارة ليست في وضع PARK (التوقف)
- باب السائق مفتوح
- تشغيل السيارة في وضع 4WD LOW (الدفع الرباعي المنخفض)

- سرعة السيارة 1.9 كم/ساعة (1.2 ميل/ساعة) أو أقل
- حزام أمان مقعد السائق غير مربوط
- باب السائق مفتوح
- دواسة الفرامل غير مضغوطة

ستظهر الرسالة "AutoPark Engaged Shift" (تم تشغيل ميزة التوقف الأوتوماتيكي، انقل إلى وضع التوقف (P) ثم انقل إلى ترس قيادة) في مجموعة أجهزة القياس.

ملاحظة:

في بعض الحالات، يتم عرض رسم ParkSense (استشعار التوقف) في مجموعة أجهزة القياس، ما يتسبب في عدم رؤية الرسالة "AutoPark Engaged"

في عدم رؤية الرسالة "AutoPark Engaged Shift" (تم تشغيل ميزة التوقف الأوتوماتيكي، قم بالتبديل إلى وضع التوقف (P) ثم إلى أحد التروس). وفي تلك الحالات، يجب إعادة ذراع نقل الحركة إلى وضع التوقف "P" لتحديد الترس المطلوب.

إذا قام السائق بالتبديل إلى وضع التوقف أثناء التحرك، فقد تتحول السيارة إلى ميزة AutoPark (التوقف الأوتوماتيكي).

لن يتم تشغيل ميزة AutoPark (التوقف الأوتوماتيكي) إلا عندما تبلغ سرعة السيارة 1.9 كم/ساعة (1.2 ميل/ساعة) أو أقل.

سيتم عرض الرسالة "Vehicle Speed Is Too High To Shift to P" (سرعة السيارة عالية للغاية ولا يمكن التبديل إلى وضع التوقف (P)) في مجموعة أجهزة القياس إذا كانت سرعة السيارة أعلى من 1.9 كم/الساعة (1.2 ميل/ساعة).

إذا لم تكن السيارة في وضع التوقف وقام السائق بإيقاف تشغيل المحرك، فقد تتحول السيارة إلى ميزة AutoPark (التوقف الأوتوماتيكي).

سيتم تشغيل ميزة AutoPark (التوقف الأوتوماتيكي) عند استيفاء كل الشروط التالية:

- السيارة مزودة بذراع نقل حركة دوّار وناقل حركة أوتوماتيكي ذي ثمان سرعات
- السيارة ليست في وضع PARK (التوقف)
- سرعة السيارة 1.9 كم/ساعة (1.2 ميل/ساعة) أو أقل
- تبديل مفتاح التشغيل من وضع ON/RUN (التشغيل/الانطلاق) إلى وضع ACC (الملحقات)

ملاحظة:

في السيارات المزودة بميزة الحركة والتشغيل من دون مفتاح Keyless Enter 'n Go™، سيتم إيقاف تشغيل المحرك، وسيغير مفتاح التشغيل إلى وضع ACC (الملحقات). بعد 30 دقيقة، سيتحول مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل) أوتوماتيكياً، إلا إذا قام السائق بتحويل مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل).

إذا لم تكن السيارة في وضع التوقف وخرج السائق من السيارة أثناء تشغيل المحرك، فقد تتحول السيارة إلى ميزة AutoPark (التوقف الأوتوماتيكي).

سيتم تشغيل ميزة AutoPark (التوقف الأوتوماتيكي) عند استيفاء كل الشروط التالية:

- السيارة مزودة بذراع نقل حركة دوّار وناقل حركة أوتوماتيكي ذي ثمان سرعات
- السيارة ليست في وضع PARK (التوقف)

البدء والتشغيل

AUTOPARK

يعد نظام AutoPark (التوقف الأوتوماتيكي) ميزة إضافية للمساعدة في نقل السيارة إلى وضع التوقف (PARK) في حال حدوث المواقف الواردة في الصفحات التالية. وهو نظام مساعد ويجب عدم الاعتماد عليه كطريقة أساسية يقوم فيها السائق بنقل السيارة إلى وضع PARK (التوقف).

ويتم توضيح الشروط التي يتم بموجبها استخدام ميزة AutoPark (التوقف الأوتوماتيكي) في الصفحات التالية.

تحذير!

- قد يؤدي عدم انتباه السائق إلى عدم نقل السيارة إلى وضع PARK (التوقف). قم دائمًا بالتحقق بصريًا من أن سيارتك في وضع PARK (التوقف) من خلال التحقق من وجود حرف "P" ثابت (لا يومض) في شاشة عرض مجموعة أجهزة القياس وبالقرب من مقبض تبديل التروس. إذا كان المؤشر "P" يومض، فهذا يعني أن سيارتك ليست في وضع التوقف. لمزيد من الاحتياط، استخدم دائمًا فرامل التوقف عند الخروج من السيارة.

- AutoPark (التوقف الأوتوماتيكي) هي ميزة إضافية. إنها غير مصممة لتحل محل الحاجة إلى نقل السيارة إلى وضع PARK (التوقف). وهو نظام مساعد ويجب عدم الاعتماد عليه كطريقة أساسية يقوم فيها السائق بنقل السيارة إلى وضع PARK (التوقف).

تحذير!

ACC (الملحقات) أو وضع ON/RUN (التشغيل/الانطلاق). فباستطاعة الأطفال تشغيل النوافذ العاملة بالطاقة وأزرار التحكم الأخرى أو تحريك السيارة.

- لا تترك الأطفال أو الحيوانات داخل السيارات المتوقفة في الطقس الحار. فقد يؤدي ارتفاع درجة الحرارة الداخلية إلى حدوث إصابات خطيرة أو الوفاة.

ناقل الحركة الأوتوماتيكي

ابدأ تشغيل المحرك أثناء وجود ناقل الحركة في وضع PARK (التوقف). استخدم الفرامل قبل النقل إلى أي وضع قيادة.

ملاحظة:

- هذه السيارة مجهزة بنظام إشعال مرتبط بالقابض. يجب الضغط على دواسة الفرامل للخروج من وضع PARK (التوقف).
- إذا كانت السيارة مزودة بناقل حركة بـ 8 سرعات، فلن يكون بدء تشغيل السيارة في NEUTRAL (المحايد) ممكنًا إلا عند تنشيط تحرير التوقف اليدوي

➞ صفحة ٣٥٢.

بدء تشغيل المحرك

قبل بدء تشغيل السيارة؛ اضبط المقعد، واضبط كل من المرايا الداخلية والخارجية، وأحكم ربط حزام المقعد. يجب عدم تشغيل جهاز البدء لأكثر من 10 ثانية في كل مرة. ويؤدي الانتظار لما يتراوح ما بين 10 و 15 ثانية على الأقل بين هذه الفواصل الزمنية إلى حماية جهاز البدء من السخونة الزائدة.

تحذير!

- عند مغادرة السيارة، تأكد دومًا أن نقطة التشغيل دون مفاتيح في وضع "OFF" (إيقاف التشغيل)، وقم بإزالة حافظة المفاتيح من السيارة وقفل السيارة.
- لا تترك أبدًا الأطفال بمفردهم في السيارة أو تسمح لهم بالاقتراب من سيارة غير مقفلة. يعد ترك الأطفال في السيارة من دون مراقبة أمرًا خطيرًا لأسباب عديدة. فقد يصاب الأطفال أو الآخرون بإصابات خطيرة أو مميتة. ومن ثم، يجب التنبيه على الأطفال بعدم لمس فرامل التوقف أو دواسة الفرامل أو محدد التروس.
- لا تترك حافظة المفاتيح في السيارة أو بالقرب منها أو في مكان يتمكن الأطفال من الوصول إليه، ولا تترك مفتاح التشغيل بسيارة مزودة بميزة دخول السيارة دون مفتاح Keyless Enter 'n Go™ في وضع

(تابع)

تحذير!

- ينبغي أن يقوم فقط فني الخدمة المعتمد بتوصيل الجهاز بمنفذ توصيل OBD II من أجل قراءة رقم تعريف السيارة (VIN) أو تشخيص السيارة أو صيانتها.
- إذا تم توصيل جهاز غير معتمد بمنفذ توصيل OBD II، مثل جهاز تتبع سلوك السائق، فربما:
 - يمكن أن يضعف أداء أنظمة السيارة، بما في ذلك الأنظمة المتعلقة بالأمان، أو قد يحدث فقد في التحكم في السيارة الأمر الذي يؤدي إلى وقوع حوادث تتضمن إصابة بالغة أو الوفاة.
 - الوصول، أو السماح للآخرين بالوصول، إلى المعلومات المخزنة في أنظمة السيارة، بما في ذلك المعلومات الشخصية.

ضوء مؤشر التحكم في تحديد السرعة (SSC) — إذا كانت السيارة مزودة بذلك



يضيء هذا المؤشر عند تشغيل ميزة التحكم في تحديد السرعة (SSC). يكون الضوء ثابتاً عند تنشيط ميزة التحكم في تحديد السرعة (SSC). يمكن تنشيط ميزة التحكم في تحديد السرعة (SSC) فقط عندما تكون علبه النقل في وضع "4WD Low" (الدفع الرباعي المنخفض) وانخفاض سرعة السيارة عن 32 كم/الساعة (20 ميلاً/ساعة). إذا لم يتم الوفاء بهذه الشروط في أثناء محاولة استخدام ميزة التحكم في تحديد السرعة (SSC)، فسيومض ضوء مؤشر التحكم في تحديد السرعة (SSC)/يتوقف عن الوميض.

ضوء مؤشر LaneSense - إذا كانت السيارة مزودة بذلك



عندما يكون نظام LaneSense (استشعار الحارة) في وضع ON (التشغيل) ولكن لم يتم تنشيطه، يضيء ضوء مؤشر LaneSense (استشعار الحارة) باللون الأبيض الثابت. يحدث ذلك عند اكتشاف الخط الأيمن فقط، أو الأيسر فقط، أو عدم اكتشاف أي خط حارة منهما. إذا تم اكتشاف خط حارة واحد، فإن النظام جاهز لتوفير تحذيرات مرئية فقط في حالة حدوث مغادرة غير مقصودة لحارة السير التي تم بها اكتشاف خط الحارة. صفحة ١٩١.

ضوء مؤشر ضبط التحكم في السرعة — إذا كانت السيارة مزودة بشاشة مجموعة أجهزة القياس أساسية/متوسطة



يضيء هذا الضوء عند ضبط نظام التحكم في السرعة الثابتة. صفحة ١٧١.

أضواء المؤشرات باللون الأزرق

ضوء مؤشر الضوء العالي



سيضيء هذا المؤشر للإشارة إلى تشغيل الضوء الأمامي ذي الضوء العالي. أثناء تنشيط الأضواء المنخفضة، اضغط على ذراع التحكم متعدد الوظائف إلى الأمام (تجاه الجزء الأمامي للسيارة) لتشغيل الأضواء العالية. اسحب الذراع متعدد الوظائف للخلف (تجاه الجزء الخلفي للسيارة) لإيقاف تشغيل الأضواء العالية. إذا كانت الأضواء العالية في وضع إيقاف التشغيل، فاسحب الذراع في اتجاهك لتشغيل الضوء العالي مؤقتاً، سيناريو "تشغيل الضوء الوامض للتنبيه بالتجاوز".

نظام الفحص الذاتي - OBD II

السيارة مزودة بنظام فحص ذاتي متطور يطلق عليه اسم OBD II. يراقب هذا النظام أداء الانبعاثات وأداء المحرك وأنظمة التحكم في ناقل الحركة. وعندما تعمل هذه الأنظمة بطريقة صحيحة، فإن ذلك يؤدي إلى ارتفاع مستوى أداء السيارة ويؤثر إيجابياً على اقتصاديات استهلاك الوقود، إضافة إلى أنه يتحكم في انبعاثات المحرك وفقاً للقواعد الحكومية الراهنة.

وإذا تطلب الأمر إجراء بعض أعمال الصيانة لأي من هذه الأنظمة، فسيقوم نظام OBD II بتشغيل "مصباح مؤشر العطل". كما يقوم هذا النظام أيضاً بتخزين رموز تشخيصية ومعلومات أخرى لمساعدة فني الخدمة على إجراء الإصلاحات. وبالرغم من إمكانية قيادة السيارة دون الحاجة إلى السحب، فإنه يجب الرجوع إلى الوكيل المعتمد لإجراء صيانة في أقرب وقت ممكن.

تنبيه!

- تؤدي قيادة السيارة لفترات طويلة مع إبقاء ضوء مؤشر العطل قيد التشغيل إلى حدوث تلف في نظام التحكم في الانبعاثات. كما قد تؤثر أيضاً على اقتصاديات استهلاك الوقود والقدرة على القيادة. يجب صيانة السيارة قبل إجراء أي فحوص للانبعاثات.
- إذا ومض "ضوء مؤشر العطل (MIL)" أثناء عمل السيارة، فإن ذلك يدل على قرب حدوث تلف شديد في المحول الحفاز وفقدان الطاقة. وبالتالي يتطلب الأمر على الفور إجراء أعمال الخدمة.

نظام الفحص الذاتي (OBD II) CYBERSECURITY

يقتضي الأمر أن تتضمن سيارتك نظام الفحص الذاتي OBD II ومنفذ اتصال لإتاحة الوصول إلى المعلومات المتعلقة بأداء مفاتيح التحكم في الانبعاثات. قد يحتاج فنيو الصيانة المعتمدون إلى الوصول إلى هذه المعلومات للمساعدة في تشخيص سيارتك ونظام الانبعاثات وصيانتها. صفحة ٢٢٩.

ضوء مؤشر وضع Sport (القيادة الرياضية)

يضيء هذا الضوء عندما يكون وضع Sport (رياضي) نشطًا ➔ صفحة ٢٥٨.



ضوء مؤشر Tow Mode (وضع السحب)

يضيء هذا الضوء عندما يكون وضع Tow (سحب) نشطًا ➔ صفحة ٢٥٩.



ضوء مؤشر وضع Valet (الخدم)

سيضيء هذا الضوء عندما يكون وضع Valet (فاليه) نشطًا ➔ صفحة ٢٧٤.



أضواء المؤشرات باللون الأبيض

ضوء مؤشر جاهزية وحدة التحكم في السرعة الثابتة (ACC) — إذا كانت السيارة مزودة بذلك

سيضيء هذا الضوء عندما يتم تشغيل السيارة المزودة بوحدة التحكم في السرعة الثابتة (ACC)، ولكن لم يتم ضبطها ➔ صفحة ١٧٣.



ضوء مؤشر جاهزية التحكم في السرعة

سيضيء ضوء المؤشر هذا عندما يكون نظام التحكم في السرعة الثابتة جاهزًا، لكنه غير مضبوط ➔ صفحة ١٧١.



أضواء مؤشر وضع DRIVE (القيادة)

ضوء مؤشر وضع Baja

يضيء هذا الضوء عندما يكون وضع Baja (باجا) نشطًا ➔ صفحة ٢٦٤.



ضوء مؤشر الوضع Custom (المخصص)

يضيء هذا الضوء عندما يكون وضع Custom (المخصص) نشطًا ➔ صفحة ٢٦٤.



ضوء مؤشر وضع Mud/Sand (الوحل/الرمال)

سيضيء هذا الضوء عندما يكون وضع Mud/Sand (الوحل/الرمال) نشطًا ➔ صفحة ٢٦٢.



ضوء مؤشر وضع Rock (الصخور)

يضيء هذا الضوء عندما يكون وضع Rock (الصخر) نشطًا ➔ صفحة ٢٦٣.



ضوء مؤشر وضع Snow Mode (وضع الثلج)

سيضيء هذا الضوء عندما يكون وضع Snow (الثلج) نشطًا ➔ صفحة ٢٦٠.



• إذا كانت السيارة مزودة بمصابيح ضباب، فسيضيء مصباح الضباب الموجود بجانب إشارة الانعطاف المنشطة لتوفير ضوء إضافي عند الانعطاف.

ضوء مؤشر ضبط التحكم في السرعة — إذا كانت السيارة مزودة بشاشة مجموعة أجهزة القياس الممتازة

يضيء هذا الضوء عند ضبط نظام التحكم في السرعة الثابتة ➔ صفحة ١٧١.



ضوء مؤشر تنشيط الإيقاف/بدء التشغيل النشط - إذا كانت السيارة مزودة بذلك

سيضيء ضوء المؤشر هذا عندما تكون وظيفة Stop/Start (الإيقاف/بدء التشغيل) في وضع "Autostop" (التوقف الأوتوماتيكي) ➔ صفحة ١٦٩.



ضوء مؤشر 4WD AUTO (الدفع الرباعي الأوتوماتيكي) - إذا كانت السيارة مزودة بذلك

ينبه هذا الضوء السائق بأن السيارة في وضع الدفع الرباعي الأوتوماتيكي، وأن المحور الأمامي قيد التشعيق، ولكن سيتم نقل طاقة السيارة إلى العجلات الخلفية. وسيتم تشعيق وضع الدفع الرباعي أوتوماتيكيًا عند استشعار السيارة فقدانًا في طاقة الجر ➔ صفحة ١٥٢.



ضوء مؤشر 4WD (الدفع الرباعي) - إذا كانت السيارة مزودة بذلك

ينبه هذا الضوء السائق بتشغيل السيارة في وضع نطاق الدفع الرباعي العالي، وقفل عمودي التوجيه الأمامي والخلفي ميكانيكياً لإجبار العجلات الأمامية والخلفية على الدوران بنفس السرعة.



ضوء مؤشر 4WD Low (وضع الدفع الرباعي المنخفض) - إذا كانت السيارة مزودة بذلك

ينبه هذا الضوء السائق بأن السيارة في وضع 4WD LOW (الدفع الرباعي المنخفض). يتم قفل عمودي التوجيه الأمامي والخلفي ميكانيكياً لإجبار العجلات الأمامية والخلفية على الدوران بنفس السرعة. يوفر النطاق المنخفض نسبة أعلى لتخفيض التروس من أجل زيادة قوة العزم على العجلات



ضوء مؤشر الدفع الرباعي (4WD) العالي — إذا كانت السيارة مزودة بذلك

ينبه هذا الضوء السائق بأن السيارة في وضع 4WD High (الدفع الرباعي العالي). يتم قفل عمودي التوجيه الأمامي والخلفي ميكانيكياً لإجبار العجلات الأمامية والخلفية على الدوران بنفس السرعة.



أضواء المؤشرات باللون الأخضر

ضبط وحدة التحكم في السرعة الثابتة المهيمنة (ACC) مع ضوء مؤشر الهدف — إذا كانت السيارة مزودة بذلك

سيتم عرض ذلك عند ضبط وحدة التحكم في السرعة الثابتة المهيمنة (ACC) واكتشاف سيارة أمامك



ضبط وحدة التحكم في السرعة الثابتة المهيمنة (ACC) مع ضوء مؤشر عدم اكتشاف هدف - إذا كانت السيارة مزودة بذلك

سيضيء هذا الضوء عند ضبط وحدة التحكم في السرعة الثابتة (ACC) وعدم اكتشاف سيارة أمامك



ضوء مؤشر وضع ECO (ترشيد استهلاك الوقود)

يضيء هذا الضوء عندما يكون وضع ECO (ترشيد استهلاك الوقود) نشطاً.



ضوء مؤشر الضباب الأمامي - إذا كانت السيارة مزودة بذلك

سيضيء ضوء المؤشر هذا عندما تكون مصابيح الضباب الأمامية مضاءة.



ضوء مؤشر LaneSense - إذا كانت السيارة مزودة بذلك

يضيء ضوء مؤشر LaneSense (استشعار الحارة) باللون الأخضر الثابت عند اكتشاف علامتي الحارة وعندما يكون النظام نشطاً وجهاً لتوفير تحذيرات مرئية وتحذيرات العزم إذا حدثت مغادرة الحارة بشكل غير مقصود



ضوء مؤشر تشغيل مصابيح التوقف/الأضواء الأمامية

سيضيء ضوء المؤشر هذا عندما تكون مصابيح التوقف أو الأضواء الأمامية في حالة تشغيل.



أضواء مؤشر إشارة الانعطاف

عند تنشيط إشارة الانعطاف اليميني أو اليسرى، سيومض مؤشر إشارة الانعطاف بصورة مستقلة كما ستومض مصابيح إشارة الانعطاف الخارجية المناظرة. يمكن تنشيط إشارات الانعطاف عند تحريك ذراع التحكم متعدد الوظائف لأسفل (اليسار) أو لأعلى (اليمين).



ملاحظة:

- تصدر إشارة صوتية مستمرة إذا تمت قيادة السيارة لأكثر من 1.6 كم (1 ميل) أثناء عمل أي من إشارتي الانعطاف.
- ابحث عن لمبة الضوء الخارجي المعيبة إذا ومض أي من المؤشرين بسرعة عالية.

ضوء مؤشر قفل محور الدوران الخلفي

يظهر هذا الضوء عند تنشيط قفل المحور الخلفي.



ضوء مؤشر الضباب الخلفي — إذا كانت السيارة مزودة بذلك

سيضيء ضوء المؤشر هذا عندما تكون أضواء الضباب الخلفية مضاءة.



ضوء مؤشر الدخول/الخروج — إذا كانت السيارة مزودة بذلك

ستتم إضاءة هذا الضوء عند خفض السيارة أوتوماتيكياً من وضع ارتفاع القيادة إلى أسفل لتسهيل عملية الدخول إلى السيارة والخروج منها. صفحة ١٦٠.



ضوء مؤشر TOW/HAUL (الجر/السحب)

سيضيء ضوء المؤشر هذا عند اختيار وضع TOW/HAUL (السحب/الجر).



ضوء مؤشر مساعد دمج المقطورة — إذا كانت السيارة مزودة بذلك

سيضيء ضوء هذا المؤشر للإشارة إلى تنشيط مساعد دمج المقطورة. صفحة ٢٨٩.



ضوء مؤشر خفض ارتفاع الركوب لنظام التعليق الهوائي — إذا كانت السيارة مزودة بذلك

يومض هذا الضوء وينبه السائق بأن السيارة تقوم بالتغيير إلى ارتفاع ركوب منخفض.



ضوء مؤشر تشغيل ضوء منطقة الحمولة — إذا كانت السيارة مزودة بذلك

سيضيء ضوء المؤشر هذا عند تنشيط ضوء منطقة الحمولة بالضغط على زر الموجود في مفتاح الضوء الأمامي.



ضوء مؤشر إيقاف تشغيل تحذير التصادم الأمامي (FCW) - إذا كانت السيارة مزودة بذلك

يضيء مصباح المؤشر للإشارة إلى إيقاف تشغيل ميزة التحذير بشأن التصادم الأمامي.



ضوء مؤشر وضع NEUTRAL (اللاتعشيق) - إذا كانت السيارة مزودة بذلك

يعمل هذا الضوء على تنبيه السائق إلى أن علبة نقل القدرة الخاصة بنظام الدفع الرباعي (4WD) في وضع NEUTRAL



(اللاتعشيق) وأن عمودي التوجيه الأمامي والخلفي قد تم إلغاء تعشيقهما من مجموعة نقل الحركة.

ضوء مؤشر طريق غير ممهد 1 بنظام التعليق الهوائي - إذا كانت السيارة مزودة بذلك

يضيء هذا المصباح عند ضبط نظام التعليق الهوائي على إعداد Off-Road 1 (طرق غير ممهدة 1) صفحة ١٦٠.



ضوء مؤشر طريق غير ممهد 2 بنظام التعليق الهوائي - إذا كانت السيارة مزودة بذلك

يضيء هذا المصباح عند ضبط نظام التعليق الهوائي على إعداد Off-Road 2 (طرق غير ممهدة 2) صفحة ١٦٠.



ضوء مؤشر حماية الحمولة الصافية لنظام التعليق الهوائي - إذا كانت السيارة مزودة بذلك

سيضيء ضوء المؤشر هذا ليشير إلى احتمالية تجاوز الحمولة الصافية أو تعذر ضبط مستوى الحمولة عند ارتفاع القيادة الحالي. سيتم اختبار وضع الحماية أوتوماتيكياً من أجل "حماية" نظام التعليق الهوائي. ضبط التعليق الهوائي محدود بسبب الحمولة الصافية.



ضوء مؤشر ارتفاع الركوب العادي لنظام التعليق الهوائي — إذا كانت السيارة مزودة بذلك

يومض هذا الضوء وينبه السائق بأن السيارة تقوم بالتغيير إلى ارتفاع ركوب أعلى.



تنبيه!

لا تستمر في القيادة مع وجود إطار أو أكثر من الإطارات المفرغة من الهواء حيث قد يتأثر أدائها. أوقف السيارة، مع تجنب الفرملة والتوجيه بشكل حاد. في حالة حدوث ثقب في الإطار، يجب إصلاحه على الفور باستخدام عدة إصلاح الإطارات المخصصة واتصل بالوكيل المعتمد في أسرع وقت ممكن.

يجب فحص كل إطار بما في ذلك الإطار الاحتياطي (إذا كانت السيارة مزودة بذلك) شهريًا عندما تكون الإطارات باردة ومنتفخة إلى ضغط الهواء الموصى به من الجهة المصنعة للسيارة على ملصق السيارة أو ملصق ضغط هواء الإطار. إذا كانت سيارتك تحتوي على إطارات بأحجام مختلفة عن تلك المشار إليها على ملصق السيارة أو ملصق ضغط هواء الإطار، فيجب عليك تحديد ضغط هواء الإطار المناسب لتلك الإطارات.

تم تجهيز سيارتك بنظام مراقبة ضغط هواء الإطارات (TPMS) الذي يضيء مؤشر تحذير انخفاض ضغط هواء الإطار عندما يكون مستوى انتفاخ إطار واحد أو أكثر أقل من مستوى الانتفاخ القياسي بدرجة كبيرة مميزة أمان إضافية. وعلى هذا عند إضاءة إشارة انخفاض ضغط الإطار، يجب عليك التوقف وفحص الإطارات بأسرع ما يمكن ونفخها إلى مستوى الضغط المناسب. إن القيادة في وجود إطار به ضغط منخفض بشكل ملحوظ تسبب زيادة حرارة الإطار وقد تؤدي إلى تعطل الإطار. كما أن انخفاض ضغط هواء الإطار يقلل كفاءة الوقود وعمر مداس الإطار، وقد يؤثر على القدرة على قيادة السيارة وإيقافها.

الرجاء ملاحظة أن نظام مراقبة ضغط الإطارات لا يعد بديلاً عن الصيانة الصحيحة للإطارات ويعتبر السائق مسؤولاً عن الاحتفاظ بالضغط الصحيح للإطارات، حتى إذا لم يصل الضغط المنخفض للإطارات إلى المستوى الذي يؤدي إلى إضاءة ضوء انخفاض ضغط الإطارات لنظام مراقبة ضغط الإطارات.

تم تزويد سيارتك أيضًا بمؤشر عطل لنظام مراقبة ضغط هواء الإطارات (TPMS) للإشارة إلى عدم عمل النظام بشكل صحيح. يندمج مؤشر عطل نظام مراقبة ضغط هواء الإطارات (TPMS) مع مصباح إنذار انخفاض ضغط الإطارات. عندما يكتشف النظام وجود عطل، سيومض مصباح الإنذار لمدة دقيقة واحدة تقريبًا ثم يظل مضاءً بصفة مستمرة. يستمر هذا التسلسل أثناء عمليات تشغيل السيارة المتتالية طالما ظل العطل موجودًا. عندما يضيء مؤشر العطل، قد لا يتمكن النظام من اكتشاف أو الإشارة إلى انخفاض ضغط الإطار كما يجب. قد يحدث خلل في نظام مراقبة ضغط هواء الإطارات (TPMS) لأسباب متنوعة، بما في ذلك تركيب إطارات أو عجلات بديلة في السيارة والتي تمنع نظام مراقبة ضغط هواء الإطارات (TPMS) من العمل بشكل صحيح. تحقق دائمًا من مصباح إنذار عطل نظام مراقبة ضغط هواء الإطارات (TPMS) بعد استبدال إطار أو عجلة واحدة أو أكثر في السيارة للتأكد من سماح الإطارات أو العجلات البديلة لنظام مراقبة ضغط هواء الإطارات (TPMS) بالعمل بشكل صحيح.

تنبيه!

تم تحسين نظام مراقبة ضغط هواء الإطارات (TPMS) بحيث يعمل في أفضل صورة له مع مكونات الإطارات والعجلات الأصلية. تم تحديد مستويات ضغط نظام مراقبة ضغط هواء الإطارات (TPMS) وتحذيراته وفقًا لحجم الإطار المزود في سيارتك. قد يحدث تشغيل غير سليم للنظام أو تلف بالمستشعر عند استخدام معدات بديلة ليست بنفس الحجم أو النوع أو الشكل. قد تتسبب العجلات المباعية بالأسواق في حدوث تلف للمستشعر. قد يتسبب استخدام موانع تسرب الإطارات المباعية بالأسواق في تعطل مستشعر نظام مراقبة ضغط هواء الإطارات (TPMS). بعد استخدام موانع تسرب الإطارات التجارية، يُوصى باصطحاب السيارة إلى وكيل معتمد ليفحص وظيفة المستشعر.

أضواء المؤشرات باللون الأصفر

ضوء مؤشر الارتفاع الديناميكي الهوائي لنظام التعليق — إذا كانت السيارة مزودة بذلك

يضيء هذا الضوء عند ضبط نظام التعليق الهوائي على الإعداد الديناميكي الهوائي.



ضوء مؤشر الارتفاع العادي لنظام التعليق الهوائي - إذا كانت السيارة مزودة بذلك

يضيء هذا الضوء عند ضبط نظام التعليق الهوائي على الإعداد الديناميكي الهوائي



صفحة ١٦٠.

ضوء تحذيري لخدمة نظام الدفع الرباعي (4WD) — إذا كانت السيارة مزودة بذلك

سيضيء هذا الضوء التحذيري للإشارة إلى وجود عطل في نظام الدفع الرباعي (4WD). إذا ظل المصباح مضاءً أو أضاء أثناء القيادة، فإن ذلك يعني أن نظام الدفع الرباعي لا يعمل بشكل صحيح وأنه يلزم صيانته. ننصحك بالقيادة إلى أقرب وكيل معتمد وصيانة السيارة على الفور.



ضوء التحذير من وجود عطل بنظام التحكم في السرعة الثابتة

سيضيء هذا الضوء التحذيري للإشارة إلى أن نظام التحكم في السرعة الثابتة لا يعمل بشكل صحيح وتلزم صيانته. اتصل بالوكيل المعتمد.



ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS)

يضيء مصباح التحذير، تُعرض رسالة للإشارة إلى أن ضغط هواء الإطارات أقل من القيمة الموصى بها و/أو حدوث فقدان بطيء في الضغط. في هذه الحالات، قد لا تكون أفضل مدة للإطار وترشيد استهلاك الوقود مضمونة.



في حال وجود إطار واحد أو أكثر من الإطارات في الحالة المذكورة سابقاً، ستعرض شاشة العرض مؤشرات مناظرة لكل إطار.

تنبيه!

إن القيادة لفترات طويلة في إضاءة ضوء مؤشر العطل (MIL) قد يتسبب في تلف نظام التحكم في السيارة. كما أن ذلك قد يؤثر على معدل ترشيد استهلاك الوقود وإمكانية القيادة. وإذا كان مصباح مؤشر العطل (MIL) يومض؛ فإن ذلك يدل على توقع حدوث تلف في المحول الحفاز وفقد للطاقة في وقت قريب. وبالتالي يتطلب الأمر على الفور إجراء أعمال الخدمة.

ضوء تحذير وجود عطل في قفل المحور الخلفي — إذا كانت السيارة مزودة بذلك

سيضيء ضوء التحذير هذا للإشارة إلى اكتشاف عطل في قفل المحور الخلفي.



ضوء تحذير صيانة التصادم الأمامي (FCW) - إذا كانت السيارة مزودة بذلك

سيضيء ضوء التحذير هذا للإشارة إلى وجود عطل في نظام تحذير التصادم الأمامي (FCW). اتصل بوكيل معتمد لإجراء الصيانة. [صفحة ٢٩٥](#).



صيانة ضوء تحذير نظام إيقاف/بدء — إذا كانت السيارة مزودة بذلك

سيضيء هذا الضوء التحذيري عندما لا يعمل نظام الإيقاف/البداية بشكل صحيح وتكون هناك حاجة إلى الصيانة. راجع الوكيل المعتمد لديك للحصول على الصيانة.



المصباح عند تدوير مفتاح التشغيل من وضع OFF (إيقاف التشغيل) إلى وضع ON/RUN (التشغيل/الانطلاق)، فمن الأفضل فحص هذه الحالة على الفور.

وقد تؤدي بعض الحالات مثل عدم ربط غطاء البنزين أو فقدانه أو استعمال نوعية رديئة من الوقود إلى إضاءة الضوء بعد تشغيل المحرك. يجب فحص السيارة إذا ظهر الضوء وبقي مضاءً أثناء قيادة السيارة تحت ظروف مختلفة. وفي أغلب الحالات يمكن قيادة السيارة بصورة عادية وليس من الضروري سحبها.

قد يومض "مصباح مؤشر العطل" أثناء تشغيل السيارة للتنبيه بوجود بعض الحالات الخطيرة التي قد تؤدي إلى فقدان فوري للطاقة أو تلف كبير بالمحول الحفاز. ويجب صيانة السيارة بواسطة الوكيل المعتمد في أسرع وقت ممكن إذا حدث ذلك.

تحذير!

يمكن أن يصل المحول الحفاز الذي به خلل إلى درجات حرارة أعلى من درجات الحرارة في ظروف التشغيل العادية. يمكن أن يسبب ذلك حريقاً إذا كانت السيارة تسير ببطء أو إذا توقفت فوق مواد قابلة للاشتعال مثل النباتات الجافة أو الخشب أو الكرتون وما إلى ذلك. قد يؤدي ذلك إلى الوفاة أو الإصابة الخطيرة للسائق أو الركاب أو غيرهم.

وإذا استمر ظهور ضوء نظام الفرامل المانعة للانغلاق (ABS) أو أضواء أثناء القيادة فإن ذلك يدل على أن جزء منع الانغلاق من نظام الفرامل لا يعمل وأن هناك حاجة إلى صيانة النظام في أقرب وقت ممكن. مع ذلك سيستمر نظام الفرامل التقليدي في العمل بصورة عادية بافتراض أن "ضوء تحذير الفرامل" غير مضيء أيضاً.

وإذا لم يضيء مصباح نظام الفرامل المانعة للانغلاق (ABS) عند وضع مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق) أو ACC/ON/RUN (الملحقات/التشغيل/الانطلاق)، فقم بفحص نظام الفرامل بواسطة الوكيل المعتمد.

ضوء تحذير فرامل التوقف الكهربائية

يضيء ضوء التحذير هذا للإشارة إلى أن فرامل التوقف الكهربائية لا تعمل بشكل صحيح وأنه يلزم صيانة النظام. اتصل بالوكيل المعتمد.

ضوء تحذيري نشط بشأن نظام التحكم في الاستقرار الإلكتروني (ESC) — إذا كانت السيارة مزودة بذلك

يشير ضوء التحذير هذا إلى أن نظام التحكم في الاستقرار الإلكتروني (ESC) في الوضع Active (نشط). سيضيء ضوء مؤشر نظام التحكم في الاستقرار الإلكتروني (ESC) الموجود في مجموعة أجهزة القياس عند إدارة مفتاح التشغيل إلى وضع ON/RUN (التشغيل/الانطلاق) أو ACC/ON/RUN (الملحقات/التشغيل/الانطلاق) وذلك عندما يكون نظام التحكم في الاستقرار الإلكتروني (ESC) نشطاً. وينطفئ المصباح أثناء تشغيل المحرك. إذا استمر ضوء مؤشر نظام التحكم في الاستقرار

الإلكتروني (ESC) في الإضاءة، أثناء عمل المحرك، فإن هذا يدل على أنه قد تم اكتشاف عطل في نظام التحكم في الاستقرار الإلكتروني (ESC). إذا ظل ضوء التحذير هذا مضاءً بعد عدة دورات تشغيل، وتمت قيادة السيارة لعدة أميال (كيلومترات) بسرعات أعلى من 48 كم/ساعة (30 ميلاً/ساعة)، فراجع الوكيل المعتمد بأسرع ما يمكن لتشخيص المشكلة وحلها.

- يضيء كل من ضوء مؤشر توقف نظام التحكم في الاستقرار الإلكتروني (ESC) وضوء مؤشر نظام التحكم في الاستقرار الإلكتروني (ESC) لفترة قصيرة في كل مرة يتم فيها إدارة مفتاح التشغيل إلى وضع ON/RUN (التشغيل/الانطلاق) أو ACC/ON/RUN (الملحقات/التشغيل/الانطلاق).
- يصدر عن نظام التحكم في الاستقرار الإلكتروني (ESC) صوت طنين أو نقر عندما يكون نشطاً. وهذا أمر عادي؛ ستتوقف الأصوات عندما يصبح نظام التحكم في الاستقرار الإلكتروني (ESC) غير نشط.
- سوف يضيء هذا الضوء عندما تكون السيارة في وضع نظام التحكم في الاستقرار الإلكتروني (ESC).

ضوء تحذيري بشأن إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC) — إذا كانت السيارة مزودة بذلك

يشير ضوء التحذير هذا إلى إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC). يعمل نظام التحكم في الاستقرار الإلكتروني (ESC) في كل مرة تتم فيها إدارة مفتاح التشغيل إلى وضع ON/RUN (التشغيل/الانطلاق) أو ACC/ON/RUN (الملحقات/التشغيل/الانطلاق) حتى إذا كان قد تم إيقافه في وقت سابق.

ضوء تحذيري لصيانة نظام LaneSense (استشعار الحرارة) — إذا كانت السيارة مزودة بذلك

سيضيء هذا الضوء التحذيري عندما لا يعمل نظام LaneSense (استشعار الحرارة) ويحتاج إلى الصيانة. يرجى مراجعة الوكيل المعتمد.



ضوء تحذير انخفاض مستوى الوقود

عندما يكون مستوى الوقود أقل من ربع الخزان، وتبلغ Distance to Empty (المسافة التي يمكن قطعها قبل نفاد الوقود) 50 ميلاً (80 كم)، سيعمل هذا الضوء ويظل كذلك حتى إضافة الوقود.



ستنتقل صافرة تحذير واحدة مع تحذير انخفاض مستوى الوقود.

ضوء تحذيري خاص بانخفاض سائل الغاسلة - إذا كانت السيارة مزودة بذلك

سيضيء ضوء التحذير هذا عند انخفاض مستوى سائل غاسلة الزجاج الأمامي.



ضوء تحذير مؤشر العطل (MIL)/فحص المحرك

إن ضوء مؤشر العطل (MIL) جزء من نظام الفحص الذاتي الذي يسمى OBD II والذي يراقب المحرك وأنظمة التحكم في ناقل الحركة الأوتوماتيكي. سيضيء ضوء التحذير هذا عند ضبط مفتاح التشغيل على وضع ON/RUN (التشغيل/الانطلاق) قبل تشغيل المحرك. إذا لم يضيء



ضوء أمان السيارة التحذيري — إذا كانت السيارة مزودة بذلك

يومض هذا الضوء لمدة 15 ثانية تقريباً عند تشغيل نظام أمان السيارة، ثم يومض ببطء حتى يتم تعطيل أمان السيارة.



أضواء التحذير باللون الأصفر

ضوء تحذير بشأن عطل في وحدة التحكم في السرعة الثابتة المهيأة (ACC) — إذا كانت السيارة مزودة بذلك

يضيء مصباح التحذير هذا للإشارة إلى وجود عطل في نظام وحدة التحكم في السرعة الثابتة المهيأة (ACC). اتصل بوكيل معتمد لإجراء الصيانة. صفحة ١٢٣.



ضوء التحذير من وجود عطل بنظام التعليق الهوائي - إذا كانت السيارة مزودة بذلك

سيضيء هذا الضوء عند اكتشاف عطل بنظام التعليق الهوائي.



ضوء تحذير نظام الفرامل المانعة للانغلاق (ABS)

يراقب ضوء التحذير هذا نظام الفرامل المانعة للانغلاق (ABS). سيضيء هذا المصباح عندما يكون مفتاح التشغيل في وضع



ON/RUN (التشغيل/الانطلاق) أو ACC/ON/RUN (الملحقات/التشغيل/الانطلاق) وقد يستمر في الإضاءة لمدة أربع ثوان تقريباً.

ضوء تحذير ارتفاع درجة حرارة ناقل الحركة - إذا كانت السيارة مزودة بذلك

سيضيء ضوء التحذير هذا للتحذير من ارتفاع درجة حرارة سائل ناقل الحركة. وقد يحدث ذلك كنتيجة للاستخدام الشاق كما هو الحال عند سحب مقطورة. إذا أضاء هذا الضوء، فقم بإيقاف السيارة وتشغيل المحرك على سرعة التباطؤ أو سرعة أعلى قليلاً، مع وجود ناقل الحركة في وضع PARK (التوقف) أو وضع NEUTRAL (اللاتعشيق) حتى ينطفئ الضوء. بمجرد انطفاء الضوء، يمكنك متابعة القيادة بشكل عادي.



تحذير!

في حالة متابعة تشغيل السيارة مع إضاءة ضوء تحذير درجة حرارة ناقل الحركة فقد تتسبب في غليان السائل ومن ثم ملامسته للمحرك الساخن أو مكونات نظام العادم مما قد يتسبب في نشوب حريق.

تنبيه!

ستؤدي القيادة المستمرة مع إضاءة ضوء التحذير الخاص بدرجة حرارة ناقل الحركة إلى التسبب في إلحاق تلف خطير بناقل الحركة أو تعطله عن التشغيل.

أمان السائق غير مربوط، فستصدر صافرة ويضيء المصباح أثناء القيادة، إذا ظل حزام أمان السائق أو الراكب الأمامي غير مربوط، فسوف يومض ضوء التنذير بربط حزام الأمان أو يظل مضاً بشكل متواصل مع صدور إشارة صوتية. صفحة ٣٠٤.

ضوء تحذير السرعة - إذا كانت السيارة مزودة بذلك

سيضيء ضوء التحذير هذا عندما تكون سرعة السيارة مساوية أو أكبر من 120 كم/ساعة. ستتطلق صافرة واحدة وسيتم عرض رسالة.



ضوء تحذير فتح باب المؤخرة

سيضيء ضوء التحذير هذا عند فتح باب المؤخرة.



ملاحظة:

إذا كانت السيارة تتحرك، فسوف تصدر إشارة صوتية واحدة.

ضوء تحذير فصل فرامل المقطورة

سيضيء ضوء التحذير هذا عند فصل فرامل المقطورة.



تحذير!

قد تعرض نفسك والآخرين إلى الخطر عند الاستمرار في قيادة السيارة بعد انخفاض المساعدة في نظام التوجيه. يجب إجراء أعمال الصيانة في أسرع وقت ممكن.

ضوء تحذير نظام التحكم الإلكتروني في صمام الاختناق (ETC)

سيضيء مصباح التحذير هذا للإشارة إلى وجود مشكلة في نظام التحكم الإلكتروني في صمام الاختناق (ETC). إذا تم اكتشاف مشكلة أثناء تشغيل السيارة، فسيظل المصباح مضاءً أو سيومض بناءً على طبيعة المشكلة. أدر مفتاح التشغيل عندما تكون السيارة متوقفة بأمان وبشكل كامل وعندما يكون ذراع النقل في وضع (PARK) (التوقف). يجب أن يتوقف تشغيل الضوء. إذا ظل المصباح مضاءً أثناء تشغيل المحرك، فعادةً ما يكون بإمكانك قيادة السيارة ولكن راجع الموزع المعتمد لصيانة السيارة في أسرع وقت ممكن.

ملاحظة:

قد يضيئ هذا الضوء في حالة الضغط على دواسة الوقود والفرامل في الوقت ذاته.

إذا استمر المصباح في الوميض أثناء تشغيل السيارة، فهذا يعني أنه يلزم صيانة السيارة على الفور وقد تتعرض السيارة لانخفاض في الأداء وتباطؤ مرتفع/مزعج أو يتوقف المحرك ويلزم سحب السيارة. سيضيء المصباح عند إدارة مفتاح التشغيل إلى وضع ON/RUN (التشغيل/الانطلاق) أو ACC/ON/RUN (الملحقات/التشغيل).

التشغيل/الانطلاق) ويظل مضاءً لفترة وجيزة كفحص بالمصباح. إذا لم يضيء الضوء أثناء بدء التشغيل، فافحص النظام لدى الوكيل المعتمد.

ضوء تحذير درجة حرارة سائل تبريد المحرك

ينبه ضوء التحذير هذا إلى ارتفاع درجة حرارة المحرك بشكل مفرط. إذا ارتفعت درجة حرارة سائل تبريد المحرك بدرجة عالية، فسيضيء هذا المؤشر وتصدر إشارة صوتية واحدة. إذا وصلت درجة الحرارة إلى الحد الأعلى، فستصدر إشارة صوتية مستمرة لمدة أربع دقائق أو حتى يبرد المحرك، أيهما يحدث أولاً.

عند إضاءة الضوء أثناء القيادة، تحرك بأمان بالسيارة إلى جانب الطريق وقم بإيقافها. إذا كان نظام مكيف الهواء يعمل فأوقف تشغيله. انقل أيضًا ناقل الحركة إلى وضع اللاتعشيق (N) واجعل السيارة في حالة تباطؤ. إذا لم تعد قراءة درجة الحرارة إلى الوضع الطبيعي، فأوقف تشغيل المحرك على الفور واتصل بالصيانة ☎ صفحة ٣٥١.

ضوء تحذير فتح غطاء المحرك

سيضيء ضوء التحذير هذا عند فتح غطاء المحرك أو فتحه جزئيًا وعدم غلقه بالكامل.

ملاحظة:

إذا كانت السيارة تتحرك، فسوف تصدر إشارة صوتية واحدة.

ضوء تحذيري بشأن ضغط الزيت

سيضيء ضوء التحذير هذا ويصدر تنبيه صوتي للإشارة إلى انخفاض ضغط زيت المحرك. وإذا ظهر الضوء وصدر التنبيه الصوتي أثناء القيادة، فتوقف فورًا بأمان وأطفئ

المحرك في أسرع وقت ممكن. بعد إيقاف السيارة بأمان، قم بإعادة تشغيل المحرك ومراقبة الضوء التحذيري بشأن ضغط زيت المحرك. إذا كان الضوء التحذيري بشأن ضغط زيت المحرك لا يزال مضاءً، فاطفئ المحرك واتصل بالوكيل المعتمد للحصول على مزيد من المساعدة. لا تقم بتشغيل السيارة إلا بعد تصليح العطل. إذا لم يعد الضوء مضاءً، يمكن تشغيل المحرك ولكن يوصى بأخذ السيارة إلى وكيل معتمد في أقرب وقت ممكن.

لا تقم بتشغيل السيارة إلا بعد تصليح العطل. ولا يشير هذا الضوء إلى كمية الزيت في المحرك. لذا يجب فحص مستوى زيت المحرك في حجرة المحرك.

ضوء تحذير درجة حرارة الزيت

سيضيء ضوء التحذير هذا الضوء للإشارة إلى ارتفاع درجة حرارة زيت المحرك. وإذا ظهر الضوء أثناء القيادة توقف فورًا وأطفئ المحرك في أسرع وقت ممكن. انتظر حتى تعود درجة حرارة الزيت إلى المستويات العادية.

ضوء تحذير التذكير بربط حزام الأمان

يشير ضوء التحذير هذا إلى عدم ربط حزام الأمان للسائق أو الراكب. عند إدارة مفتاح التشغيل إلى وضع ON/RUN (التشغيل/الانطلاق) أو ACC/ON/RUN (الملحقات/التشغيل/الانطلاق) لأول مرة، وإذا كان حزام

ويظهر الضوء أيضًا عند استعمال فرامل التوقف وعندما يكون مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق).

ملاحظة:

هذا الضوء يبين فقط أن فرامل التوقف مستخدمة. ولا يبين درجة فعالية استخدام الفرامل.

ضوء تحذيري بشأن شحن البطارية

سيضيء ضوء التحذير هذا عندما لا يتم شحن البطارية بصورة صحيحة. إذا استمر الضوء أثناء عمل المحرك، فقد يدل ذلك على وجود عطل في نظام الشحن. راجع الوكيل المعتمد بأسرع ما يمكن.



يدل هذا على وجود مشكلة محتملة في النظام الكهربائي أو مكون ذو صلة.

ضوء تحذيري بشأن ترك الباب مفتوحًا

يضيء هذا المؤشر عندما يتم ترك أحد الأبواب مفتوحًا وغير مغلق بشكل محكم.



ملاحظة:

إذا كانت السيارة تتحرك، فسوف تصدر إشارة صوتية واحدة.

مصباح تحذير تعطل التوجيه المعزز كهربيًا (EPS)

سيتم تشغيل ضوء التحذير هذا عند وجود عطل في نظام التوجيه المعزز كهربيًا (EPS) (صفحة ١٦٨).



ملاحظة:

قد يومض الضوء بشكل سريع أثناء مناورات الانعطاف الحادة بسبب حدث تغيرات في مستوى السائل. يجب صيانة السيارة، وفحص مستوى سائل الفرامل. في حالة أي عطل في الفرامل قم بتصليحه فورًا.

تحذير!

من الخطورة قيادة السيارة عندما يضاء ضوء الفرامل الأحمر. فقد يعني ذلك أن عطلًا ما قد حدث في أحد أجزاء نظام الفرامل. وستحتاج إلى وقت أطول لإيقاف السيارة. مما قد يؤدي إلى وقوع حادث. افحص الفرامل فورًا.

السيارات المزودة بنظام الفرامل المانعة للانغلاق (ABS) تكون مزودة كذلك بنظام توزيع قوة الفرامل الإلكتروني (EBD). يضيء كل من ضوئي تحذير الفرامل والفرامل المانعة للانغلاق في حالة وجود خلل بنظام توزيع قوة الفرامل الإلكتروني. وفي هذه الحالة يجب إصلاح نظام الفرامل المانعة للانغلاق فورًا.

ومن الممكن فحص ضوء تحذير الفرامل وذلك بتدوير مفتاح التشغيل من وضع OFF (إيقاف التشغيل) إلى وضع ON/RUN (التشغيل/الانطلاق). يجب أن يضيء الضوء لمدة أربع ثوان تقريبًا. ويجب أن يخفتي الضوء بعد ذلك إلا إذا كانت فرامل التوقف مستعملة أو إذا كان هناك عطل في الفرامل. إذا لم يضيء المصباح، فافحص النظام لدى الوكيل المعتمد.

ضوء تحذيري بشأن الفرامل



يقوم ضوء التحذير هذا بمراقبة وظائف متعددة لنظام الفرامل بما في ذلك مستوى سائل الفرامل واستعمال فرامل التوقف. إذا ظهر ضوء الفرامل، فقد يشير ذلك إلى استعمال فرامل التوقف أو انخفاض مستوى سائل الفرامل أو وجود مشكلة بنظام الفرامل المانعة للانغلاق.

إذا ظل الضوء مضاءً عند فصل فرامل التوقف، وكان مستوى السائل عند علامة الاكتمال على خزان الأسطوانة الرئيسية، فإن ذلك يشير إلى احتمال وجود خلل في النظام الهيدروليكي للفرامل أو حدوث مشكلة في معزز الفرامل تم اكتشافها بواسطة نظام الفرامل المانعة للانغلاق (ABS)/نظام التحكم في الاستقرار الإلكتروني (ESC). في هذه الحالة، سيظل المصباح مضاءً حتى يتم إصلاح الخلل. إذا كانت المشكلة متعلقة بمعزز الفرامل، فستعمل مضخة الفرامل المانعة للانغلاق (ABS) عند استخدام الفرامل وقد يتم الشعور باهتزاز دواسة الفرامل خلال كل عملية توقف.

يوفر النظام المزدوج للفرامل سعة كبح احتياطية في حالة عطل أحد أجزاء النظام الهيدروليكي للفرامل. ومن الممكن معرفة وجود عطل في أي جزء من نظام الفرامل المزدوج عندما يضيء ضوء التنبيه إلى نظام الفرامل الذي يدل على انخفاض مستوى سائل الفرامل في الاسطوانة الرئيسية إلى حد معين.

ويستمر الضوء بالإضاءة حتى يتم تصليح العطل.

أضواء ورسائل التحذير

ستضيء أضواء المؤشرات/التحذير في لوحة أجهزة القياس مع رسالة مخصصة و/أو إشارة صوتية، عندما يكون ذلك ممكناً. تعد هذه المؤشرات تدابير وقائية وإرشادية، ولذا لا يجب اعتبارها تدابير شاملة و/أو بديلة للمعلومات الواردة في دليل المالك، والتي يُنصح بقراءتها بعناية في جميع الحالات. قم دائماً بالرجوع إلى المعلومات الواردة في هذا الفصل في حالة ظهور مؤشر عطل. يتم عرض جميع الأضواء المؤشرة النشطة أولاً، إذا كان ذلك ممكناً. قد تظهر قائمة التحقق من النظام مختلفة وذلك حسب خيارات الأجهزة وحالة السيارة الحالية. تكون بعض الأضواء المؤشرة اختيارية وقد لا تظهر.

أضواء التحذير باللون الأحمر

ضوء تحذيري بشأن الوسادة الهوائية

سيضيء ضوء التحذير هذا للإشارة إلى وجود عطل في الوسادة الهوائية، وسيضيء لمدة تتراوح بين أربع وثماني ثوان كنوع من الفحص بالمصباح عند ضبط مفتاح التشغيل



على وضع ON/RUN (التشغيل/الانطلاق) أو ACC/ON/RUN (الملحقات/التشغيل/الانطلاق). يضيء هذا الضوء مع إشارة صوتية واحدة عند اكتشاف خلل في الوسادة الهوائية، وسيظل مضاءً حتى يتم إصلاح الخلل. إذا لم يضيء هذا الضوء عند بدء التشغيل أو إذا استمر في الإضاءة أو إذا ظهر أثناء القيادة، فيجب فحص النظام لدى الوكيل المعتمد في أقرب وقت ممكن.

• تم استخدام البطارية لفترة طويلة مع عدم تشغيل المحرك لإمداد الطاقة إلى الراديو، والمصابيح، والشواحن والأجهزة المحمولة بقدرة 12+ فولت كالمكتسبة ووحدات التحكم في الألعاب والأجهزة المشابهة.

ما الذي يجب عمله عند ظهور رسالة إجراء تقليل الحمل الكهربائي ("Battery Saver On") (تشغيل موهر طاقة البطارية) أو "Battery Saver Mode" (موهر طاقة البطارية)) أثناء القيام برحلة:

- قلل الطاقة التي تصل إلى الأحمال غير الضروري، إذا أمكن:
 - أوقف تشغيل الأضواء المتكررة (الداخلية أو الخارجية).
 - تحقق ما الذي يمكن توصيله بمأخذ الطاقة بقدرة 12+ فولت، 115 فولت تيار متردد، ومنافذ USB.
 - تحقق من إعدادات التسخين والتهوية ومكيف الهواء (HVAC) (المروحة، درجة الحرارة).
 - تحقق من إعدادات الصوت (مستوى الصوت).
- بعد القيام برحلة:
- تحقق مما إذا كان تم تركيب أي معدات بديلة (مصابيح إضافية، تركيبية الملحقات الكهربائية، أنظمة الصوت، الإنذارات) مع مراجعة المواصفات إذا وجد أي منها (تيارات الحمل وسحب إيقاف الإشغال).
- قيم أحدث دورات من القيادة (المسافة، ووقت القيادة ووقت التوقف).

• يتعين إجراء خدمة السيارة إذا استمرت الرسالة في الظهور أثناء القيام بالرحلات المتتالية مع عدم مساعدة إجراء تقييم للسيارة ولنمط القيادة في تحديد السبب.

• نظام المحول العامل بالطاقة بقدرة 115 فولت تيار متردد

• نظام الصوت والاتصالات

قد يشير فقدان شحن البطارية إلى واحدة أو أكثر من الحالات التالية:

- لم يتمكن شحن النظام من توصيل الطاقة الكهربائية بصورة كافية إلى نظام السيارة لأن الأحمال الكهربائية أكبر من قدرة شحن النظام. لا يزال شحن النظام يعمل بصورة مناسبة.
- تشغيل جميع الأحمال الكهربائية الممكنة بالسيارة (على سبيل المثال، نظام التسخين والتهوية ومكيف الهواء (HVAC) إلى إعدادات الحد الأقصى، المصابيح الخارجية والداخلية، مأخذ الطاقة مفرطة التحميل 12+ فولت، بقدرة 115 فولت تيار متردد، منافذ (USB) أثناء ظروف قيادة معينة (القيادة في المدينة، السحب، تكرار التوقف).
- تثبيت الخيارات كالمصابيح الإضافية، وتركيبية الملحقات الكهربائية، وأنظمة الصوت، والإنذارات والأجهزة المشابهة.
- دورات قيادة غير عادية (الرحلات القصيرة المفصولة بفترات توقف طويلة).
- توقف السيارة لفترة طويلة من الوقت (أسابيع، أشهر).
- تم استبدال البطارية حديثاً ولم تكن مشحونة بالكامل.
- البطارية كانت فارغة بسبب الحمل الكهربائي عندما كانت السيارة متوقفة.

يكون تقليل الحمل نشطاً فقط عندما يكون المحرك قيد التشغيل. حيث سيعرض رسالة في حالة وجود خطر استنزاف البطارية إلى النقطة التي قد تتوقف فيها السيارة بسبب نقص الإمداد بالطاقة الكهربائية أو لن تتم إعادة بدء التشغيل بعد دورة القيادة الحالية.

عند تنشيط تقليل الحمل، ستظهر الرسالة "Battery Saver On Some Systems May Have Reduced Power" (قد يشمل موفر طاقة البطارية في بعض الأنظمة على طاقة منخفضة) في مجموعة أجهزة القياس.

تشير هذه الرسائل إلى أن بطارية السيارة بها شحن منخفض وسوف تستمر في فقد الشحن الكهربائي بمعدل بحيث لا يستطيع شحن النظام الاستمرار.

ملاحظة:

• يكون شحن النظام بمعزل عن خفض الحمل. يقوم شحن النظام بإجراء تشخيص حول شحن النظام بشكل مستمر.

• إذا كان ضوء التحذير بشأن شحن البطارية مضيئاً، فقد يدل ذلك على وجود مشكلة في شحن النظام. [صفحة ١٢١](#).

نعرض فيما يلي الأحمال الكهربائية التي قد يتم إيقاف تشغيلها (إذا كانت السيارة مزودة بذلك)، ووظائف السيارة التي يمكن أن تتأثر بتقليل الحمل:

- المقعد المسخن / المقاعد المزودة بفتحات تهوية / العجلة المسخنة
- مزيل الصقيع من الزجاج الخلفي والمرايا المسخنة
- نظام التسخين والتهوية ومكيف الهواء (HVAC)

اضغط على زر سهم القيادة لليسار ◀ أو اليمين ▶ وحرره للتبديل ما بين أوضاع القيادة المختلفة. ستظهر نافذة منبثقة على شاشة عرض مجموعة أجهزة القياس للمساعدة على اختيار وضع القيادة المطلوب. سيظهر مؤشر لحالة وضع القيادة على شاشة عرض مجموعة أجهزة القياس [صفحة ١٢٩](#). يمكنك أيضاً الضغط مرتين على زر TRX للانتقال مباشرة إلى الوضع المخصص [صفحة ٢٦٤](#).

ملاحظة:

سيتم تطبيق وضع القيادة المحدد عند انتهاء مهلة النافذة المنبثقة في مجموعة أجهزة القياس بسبب عدم وجود عمليات ضغط إضافية على زر سهم لليسار ◀ أو اليمين ▶ [صفحة ٢٥٦](#).

رسالة BATTERY SAVER ON (تشغيل موفر طاقة البطارية)/ BATTERY SAVER MODE (وضع موفر طاقة البطارية) - إجراءات تقييد الحمل الكهربائي - إذا كانت السيارة مزودة بذلك

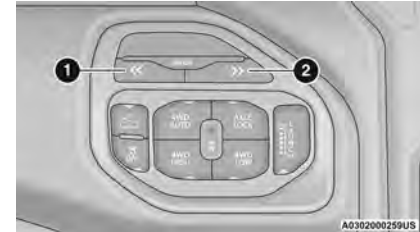
إن هذه السيارة مزودة بمستشعر البطارية الذكي (IBS) للقيام بتنفيذ المراقبة الإضافية للنظام الكهربائي وحالة بطارية السيارة.

وفي الحالات التي يكتشف فيها مستشعر البطارية الذكي (IBS) وجود عطل بشحن النظام أو تدهور ظروف بطارية السيارة، يتم تنفيذ إجراءات تقليل الحمل الكهربائي لتمديد وقت ومسافة قيادة السيارة. ويتم ذلك من خلال تقليل الطاقة الواصلة إلى أو إيقاف تشغيل الأحمال الكهربائية غير الضرورية.

- ارتفاع شاشة العرض
- السطوع

ملاحظة:

- يتم التحكم في الإعدادات الأساسية لميزة HUD (السطوع وارتفاع شاشة العرض والتخطيطات غير المخصصة) عن طريق شاشة الإعدادات الموجودة في مجموعة أجهزة القياس [صفحة ١٠٦](#).
 - يمكن تحديد تفضيلات تخطيط المحتوى المخصص لشاشة العرض على الزجاج الأمامي (HUD) من خلال شاشة اللمس. لمزيد من المعلومات، تُرجى مراجعة ملحق دليل مالك نظام Uconnect.
- وضع القيادة لطرز TRX



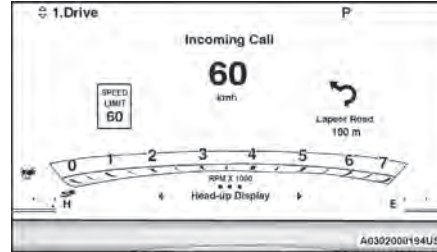
أزرار وضع القيادة

- 1 Left Drive Mode Arrow – (السهم الأيسر لوضع القيادة)
- 2 Right Drive Mode Arrow – (السهم الأيمن لوضع القيادة)



الوضع المتقدم

- عند تحديد الوضع "Advanced" (متقدم)، تعرض الشاشة HUD سرعة السيارة والملاحة عبر الانعطاف تلو الآخر وحدود السرعة ووظيفة (وظائف) مساعد السائق والترس الحالي.
- **المخصص 1:** السرعة وحدود السرعة
- **المخصص 2:** السرعة وحدود السرعة والملاحة
- **المخصص 3:** السرعة وحدود السرعة والملاحة و Driver Assist (مساعد السائق) (وحدة التحكم في السرعة الثابتة المهيأة (ACC) التحكم في السرعة، و LaneSense (استشعار الحارة)، و Highway Assist (مساعد الطرق السريعة) Highway Assist+)
- **المخصص 4:** السرعة وحدود السرعة والملاحة و Driver Assist (مساعد السائق) (وحدة التحكم في السرعة الثابتة المهيأة (ACC) التحكم في السرعة، و LaneSense (استشعار الحارة)، و Highway Assist (مساعد الطرق السريعة) Highway Assist+)
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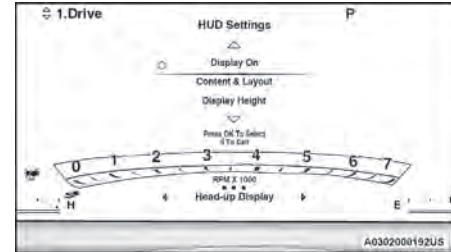
الوضع القياسي

- عند تحديد الوضع "Standard" (القياسي)، يتم تقسيم صورة الشاشة HUD إلى ثلاثة أثلاث مع عرض مؤشر حدود السرعة على اليسار، وسرعة السيارة في المنتصف، والملاحة عبر الانعطاف تلو الآخر على اليمين.
- **المتقدم:** السرعة وحدود السرعة والملاحة و Driver Assist (مساعد السائق) (وحدة التحكم في السرعة الثابتة المهيأة (ACC) التحكم في السرعة، و LaneSense (استشعار الحارة)، و Highway Assist (مساعد الطرق السريعة) Highway Assist+)
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أجهزة القياس. اضغط على زر **OK** (موافق)، ثم حرره للدخول إلى شاشة العرض على الزجاج الأمامي. استخدم زر السهم لأعلى Δ أو لأسفل ∇ لتحديد أحد الإعدادات، ثم اضغط على زر **OK** (موافق) وحرره لضبط الإعداد.

• المحتوى والتخطيط

عند تحديد "Display ON" (تشغيل الشاشة)، يتم عرض شاشة العرض على الزجاج الأمامي (HUD) على الزجاج الأمامي. عند عدم تحديده، لن تكون هناك شاشة عرض على الزجاج الأمامي.



HUD ON/OFF (تشغيل/إيقاف تشغيل شاشة العرض على الزجاج الأمامي)

- المحتوى والتخطيط
- **البيسيط:** السرعة وحدود السرعة
- **القياسي:** السرعة وحدود السرعة والملاحة

القوائم المفضلة		
الأداء	Trip Info (معلومات الرحلة) (عرض/إخفاء)	الملاحة
Off Road (الطرق غير الممهدة)	سحب المقطورة – إذا كانت السيارة مزودة بذلك (عرض/إخفاء)	Audio (الصوت) (عرض/إخفاء)

الإعدادات الافتراضية (استعادة جميع الإعدادات إلى
الإعدادات الافتراضية)

- Restore (استعادة)
- إلغاء

شاشة العرض على الزجاج الأمامي (HUD)
— إذا كانت السيارة مزودة بذلك

ملاحظة:

تتوفر إعدادات ميزة HUD عند أي سرعة للسيارة. قد لا
تظهر بعض المعلومات مثل حد السرعة أو مساعدة السائق
على شاشة العرض على الزجاج الأمامي (HUD) ما لم
تكن سيارتك مزودة بنظامي مساعد إشارات وعلامات
المرور أو مساعدة السائق.

اضغط على زر السهم لأعلى ▲ أو لأسفل ▼ وحرره
حتى يتم تمييز رمز/عنوان Settings Menu (قائمة
الإعدادات) في شاشة عرض مجموعة أجهزة القياس.
اضغط على زر السهم لليساار ◀ أو للييمين ▶ وحرره
حتى يتم تمييز رمز/عنوان HUD Menu (قائمة شاشة
العرض على الزجاج الأمامي) في شاشة عرض مجموعة

الجزء العلوي الأوسط		
Compass (البوصلة)	الشاردة	None (لا شيء)
Range To Empty (النطاق الذي يمكن قطعه قبل نفاد الوقود)	TIME (الوقت)	Outside Temp (درجة الحرارة الخارجية)
Trip A Distance (مسافة الرحلة أ)	Current Econ (ترشيد الاستهلاك الحالي)	Average Econ (معدل ترشيد الاستهلاك)
Audio (الصوت) (عرض/إخفاء)	Trailer Trip (رحلة المقطورة)	Trip B Distance (مسافة الرحلة ب)

Current Gear (الترس الحالي)

- Off (إيقاف التشغيل)
- On (التشغيل)

Odometer (عداد المسافة)

- من دون نقطة عشرية
- نقطة عشرية
- Hide (إخفاء)

الوقود المقياس

- إخفاء النطاق
- عرض النطاق

مجموعة أجهزة القياس المتميزة

نمط الشاشة

- التحديث
- التقليدي

الجزء العلوي الأيمن أو الأيسر		
Current Econ (ترشيد الاستهلاك الحالي)	TIME (الوقت)	None (لا شيء)
Trip A Distance (مسافة الرحلة أ)	النطاق	Compass (البوصلة)
Trip B Distance (مسافة الرحلة ب)	Average Econ (معدل ترشيد الاستهلاك)	Outside Temp (درجة الحرارة الخارجية)
		Trailer Trip (رحلة المقطورة) – إذا كانت السيارة مزودة بذلك

الجزء السفلي الأيسر والجزء السفلي الأيمن - إذا كانت السيارة مزودة بذلك		
ضغط الزيت	Trailer Brake (فرامل المقطورة) - إذا كانت السيارة مزودة بذلك	Trailer Trip (رحلة المقطورة) - إذا كانت السيارة مزودة بذلك
Battery Voltage (فولتية البطارية)	Oil Temperature (درجة حرارة الزيت)	Coolant Temperature (درجة حرارة سائل التبريد)
	Oil Life (العمر الافتراضي للزيت)	درجة حرارة ناقل الحركة

Current Gear (الترس الحالي)

• Off (إيقاف التشغيل)

• On (التشغيل)

Odometer (عداد المسافة)

• من دون نقطة عشرية

• نقطة عشرية

الإعدادات الافتراضية (استعادة جميع الإعدادات إلى الإعدادات الافتراضية)

• إلغاء

• Restore (استعادة)

الجانب الأيسر والجانب الأيمن - إذا كانت السيارة مزودة بذلك		
Average Econ (معدل ترشيد الاستهلاك)	Range To Empty (النطاق الذي يمكن قطعه قبل نفاد الوقود)	None (لا شيء)
Coolant Temp (درجة حرارة سائل التبريد)	Transmission Temp (درجة حرارة ناقل الحركة)	Oil Temp (درجة حرارة الزيت)
	Menu Icon (رمز القائمة)	Oil Life (العمر الافتراضي للزيت)

الجزء السفلي الأيسر والجزء السفلي الأيمن - إذا كانت السيارة مزودة بذلك

Current Econ (ترشيد الاستهلاك الحالي)	TIME (الوقت)	None (لا شيء)
Trip A Distance (مسافة الرحلة أ)	Range To Empty (النطاق الذي يمكن قطعه قبل نفاد الوقود)	Compass (البوصلة)
Trip B Distance (مسافة الرحلة ب)	Average Econ (معدل ترشيد الاستهلاك)	Outside Temp (درجة الحرارة الخارجية)

الجزء العلوي الأيمن أو الأيسر		
	Oil Life (عمر الزيت) - إذا كانت السيارة مزودة بذلك	Transmission Temperature (درجة حرارة ناقل الحركة) - إذا كانت السيارة مزودة بذلك

القوائم المفضلة		
الأداء	Vehicle Info (معلومات السيارة)	عداد السرعة
Fuel Economy (ترشيد استهلاك الوقود) (عرض/إخفاء)	Driver Assist (مساعد السائق) (عرض/إخفاء) - إذا كانت السيارة مزودة بذلك	Off Road (الطرق غير الممهدة)
Audio (الصوت) (عرض/إخفاء)	سحب المقطورة - إذا كانت السيارة مزودة بذلك (عرض/إخفاء)	Trip Info (معلومات الرحلة) (عرض/إخفاء)
التشخيصات	الإعدادات	الرسائل (المخزنة)

مجموعة أجهزة القياس بالخط الأوسط والخط العالي

الجزء العلوي الأيمن أو الأيسر		
Current Econ (ترشيد الاستهلاك الحالي)	TIME (الوقت)	None (لا شيء)
Trip A Distance (مسافة الرحلة أ)	النطاق	Compass (البوصلة)
Trip B Distance (مسافة الرحلة ب)	Average Econ (معدل ترشيد الاستهلاك)	Outside Temp (درجة الحرارة الخارجية)
Oil Temperature (درجة حرارة الزيت) — إذا كانت السيارة مزودة بذلك	Oil Pressure (ضغط الزيت) — إذا كانت السيارة مزودة بذلك	Trailer Trip (رحلة المقطورة) — إذا كانت السيارة مزودة بذلك
Battery Voltage (فولتية البطارية) — إذا كانت السيارة مزودة بذلك	Coolant Temp (درجة حرارة سائل التبريد) — إذا كانت السيارة مزودة بذلك	Trailer Brake (فرامل المقطورة) — إذا كانت السيارة مزودة بذلك

ملاحظة:

يمكنك إيقاف تشغيل تحذير السرعة باستخدام زر سهم لأعلى / لأسفل ▽ للتعبير عبر قائمة السرعة وتحديد OFF (إيقاف التشغيل) في أسفل القائمة.

الإعدادات

شاشة العرض على الزجاج الأمامي (HUD) — إذا كانت السيارة مزودة بذلك

ملاحظة:

تتوفر إعدادات ميزة HUD عند أي سرعة للسيارة
 ↗ صفحة ١١٧.

البنود القابلة للاختيار من قبل السائق بإعداد الشاشة

اضغط على زر السهم لليسار ◀ أو اليمين ▶ وحرره حتى يتم تمييز أيقونة/عنوان قائمة الإعدادات في شاشة لوحة أجهزة القياس. اضغط على زر OK (موافق) وحرره للدخول إلى القوائم الفرعية واتبع المطالبات التي تظهر على الشاشة حسب الحاجة. تتيح لك ميزة Settings (الإعدادات) تغيير المعلومات التي يتم عرضها في مجموعة أجهزة القياس بالإضافة إلى المكان الذي يتم عرض المعلومات فيه.

ملاحظة:

بناءً على مستوى زخرفة السيارات والحالة الحالية، قد تتوفر بعض الخيارات. وتتوفر ميزة Settings (الإعدادات) عندما تكون سرعة السيارة أقل من 5 أميال في الساعة (8 كم في الساعة) فقط.

التشخيصات

اضغط على زر سهم up (أعلى) △ أو سهم down (أسفل) ▽ وحرره حتى يتم تمييز رمز/عنوان Diagnostics (التشخيصات) في شاشة عرض مجموعة أجهزة القياس. اضغط على زر OK (موافق) وحرره لعرض الرموز الخاصة بتشخيص المشكلة والشروح. عند الوصول إلى نهاية القائمة، ستعرض "No or End of Diagnostic Code" (لا يوجد أو نهاية الرموز التشخيصية) في شاشة عرض مجموعة أجهزة القياس.

Speed Warning (تحذير السرعة)

اضغط على زر السهم لأعلى △ أو لأسفل ▽ وحرره حتى يتم عرض رمز/عنوان Speed Warning Menu (قائمة تحذير السرعة) في شاشة عرض مجموعة أجهزة القياس. اضغط على OK (موافق) وحرره للدخول إلى تحذير السرعة. استخدم زر السهم لأعلى △ أو لأسفل ▽ لتحديد السرعة المطلوبة، ثم اضغط على OK (موافق) وحرره لضبط السرعة. سيضيء ضوء تحذير محدد السرعة غير النشط باللون الأبيض مع رسالة نصية للإخطار (تحذير السرعة مضبوط على XX، ثم الوحدة المحددة). عند تجاوز السرعة المضبوطة، ستصدر إشارة صوتية وتستمر حتى العودة إلى السرعة المضبوطة. سيتحول ضوء تحذير محدد السرعة غير النشط باللون الأبيض إلى اللون الأصفر ويومض، وستظهر الرسالة المبنقة "Speed Warning Exceeded" (تم تجاوز تحذير السرعة).

Trip Info (معلومات الرحلة)

اضغط على زر سهم لأعلى ▴ أو لأسفل ▾ وحرره حتى يتم تمييز عنصر قائمة Trip (الرحلة) في شاشة عرض مجموعة أجهزة القياس. اضغط على زر السهم لليمين ▷ أو للسيار ◁ وحرره للدخول إلى قوائم Trip A (الرحلة أ) و Trip B (الرحلة ب) الفرعية. ستعرض معلومات Trip A (الرحلة أ) أو Trip B (الرحلة ب) ما يلي:

- Distance (المسافة)
- Average Fuel Economy (معدل ترشيد استهلاك الوقود)
- Elapsed Time (الوقت المنقضي)

اضغط مع الاستمرار على زر موافق لإعادة ضبط كل المعلومات.

الملاحظة - إذا كانت السيارة مزودة بذلك

اضغط على زر السهم لأعلى ▴ أو لأسفل ▾ وحرره إلى أن يتم تمييز عنوان شاشة عرض Navigation (الملاحه) في شاشة عرض مجموعة أجهزة القياس، وسيتم عرض "Hold OK to Start Route" (اضغط مطولاً على موافق لبدء المسار) في حال عدم ضبط أي مسار نشط. سيتم عرض "Hold OK to Cancel Route" (اضغط مطولاً على موافق لإلغاء المسار) في حال ضبط مسار نشط. استخدم زر السهم للسيار ◁ أو لليمين ▷ لتكبير شاشة العرض أو تصغيرها ↵ صفحة ٢٢٩.

سحب المقطورة — إذا كانت السيارة مزودة بذلك

اضغط على زر سهم لأعلى ▴ أو لأسفل ▾ وحرره حتى يتم تمييز عنصر قائمة Trailer Tow (سحب المقطورة) في شاشة عرض مجموعة أجهزة القياس. اضغط على زر السهم لليمين ▷ أو للسيار ◁ وحرره للتمرير عبر معلومات سحب المقطورة التالية:

- مسافة الرحلة (خاصة بالمقطورة): اضغط مطولاً على زر OK (موافق) لإعادة ضبط المسافة.
- وحدة فرملة المقطورة المدمجة (ITBM):
 - إخراج الفرامل
 - نوع المقطورة
 - كسب ITBM

• مراقبة ضغط الإطار بالمقطورة: ستعرض شاشة عرض مجموعة أجهزة القياس "Trailer Tire Pressure" (ضغط هواء الإطارات بالمقطورة) للمقطورة المتصلة والتي تحتوي على مستشعرات تطابق نموذج المقطورة النشط. عند وجود إطار بضغط منخفض، فسيتم عرض قيمة الإطار ذي النخل المنخفض باللون الأحمر، وسيتهوج الإطار المتأثر ذي الضغط المنخفض بلون أحمر. وسيتم عرض رسالة "Trailer Tire Low" (إطار مقطورة بضغط منخفض) على الجزء السفلي الأوسط من شاشة عرض مجموعة أجهزة القياس.

• فحص ضوء المقطورة - إذا كانت السيارة مزودة بذلك: اضغط مطولاً على زر موافق لبدء تسلسل اختبار ضوء المقطورة ↵ صفحة ٢١٣.

Audio (الصوت)

اضغط على زر سهم لأعلى ▴ أو لأسفل ▾ وحرره إلى أن يتم تمييز رمز/عنوان Audio Menu (قائمة الصوت) في شاشة عرض مجموعة أجهزة القياس. تعرض هذه القائمة معلومات مصدر الصوت، بما في ذلك اسم الأغنية واسم الفنان ومصدر الصوت مع رسم مصاحب.

حالة المكالمات الهاتفية

عند وجود مكالمات واردة، سيتم عرض رسالة منبثقة لحالة المكالمات الهاتفية على الشاشة. ستظل الرسالة المنبثقة موجودة حتى يتم الرد على المكالمات الهاتفية أو تجاهلها.

ملاحظة:

ستحل حالة المكالمات محل معلومات مصدر الوسائط السابقة بصورة مؤقتة على الشاشة. عندما يتوقف عرض الرسالة المنبثقة، سيعود العرض إلى آخر شاشة مستخدمة.

Stored Messages (الرسائل المخزنة)

اضغط على زر السهم لأعلى ▴ أو لأسفل ▾ وحرره حتى يتم تمييز عنصر Messages Menu (قائمة الرسائل). تعرض هذه الميزة عدد رسائل التحذير المخزنة مثل: "Oil Change Required" (يلزم تغيير الزيت). اضغط على زر السهم لليمين ▷ أو للسيار ◁ وحرره للتمرير عبر الرسائل المخزنة.

<p>موقت من 0 إلى 20 مترًا (من 0 إلى 60 قدمًا) رد الفعل</p> <ul style="list-style-type: none"> • Best (الأفضل) • Last (الأخيرة) • Current (الحالي) <p>ملاحظة: تظهر نتيجة وقت رد الفعل في علامة تبويب موقت 60 قدمًا فقط.</p> <p>موقت من 0 إلى 100 متر (من 0 إلى 330 قدمًا)</p> <ul style="list-style-type: none"> • Best (الأفضل) • Last (الأخيرة) • Current (الحالي) <p>موقت 200 متر (1/8 ميل)</p> <ul style="list-style-type: none"> • Best (الأفضل) • Last (الأخيرة) • Current (الحالي) <p>موقت من 0 إلى 300 متر (من 0 إلى 1000 قدم)</p> <ul style="list-style-type: none"> • Best (الأفضل) • Last (الأخيرة) • Current (الحالي) <p>موقت 400 متر (1/4 ميل)</p> <ul style="list-style-type: none"> • Best (الأفضل) • Last (الأخيرة) • Current (الحالي) 	<p>Drag Timers (موقتات السحب)</p>
<ul style="list-style-type: none"> • Distance (المسافة) • From Speed (من السرعة) 	<p>Braking Distance (مسافة الفرملة)</p>
<ul style="list-style-type: none"> • Current (الحالي) • Peak (القصى) 	<p>G-Forces (قوى التسارع)</p>
<p>لعرض أوقات الدورات الأخيرة وأفضل الدورات والدورات الحالية التي تمت عبر قيادة السيارة.</p>	<p>Lap Timer (موقت الدورات)</p>
<ul style="list-style-type: none"> • سوف يسرد آخر أربع دورات مع تمييز أفضل دورة باللون الأخضر. 	<p>Lap History (سجل الدورات)</p>
<p>لعرض السرعة القصوى للسيارة.</p>	<p>Top Speed (أعلى سرعة)</p>

قائمة الطرق غير الممهدة – إذا كانت السيارة مزودة بذلك

اضغط على زر السهم لأعلى Δ أو لأسفل ∇ وحرره حتى يتم عرض رمز قائمة Off Road (الطرق غير الممهدة) في شاشة عرض مجموعة أجهزة القياس. اضغط على زر السهم للسيار \blacktriangleleft أو لليمين \blacktriangleright وحرره للتمرير عبر القوائم الفرعية للمعلومات.

• Vehicle Dynamics (ديناميكيات السيارة)

- زاوية العجلة الأمامية: تعرض القيمة الرسومية والقيمة الرقمية لمتوسط زاوية العجلة الأمامية المحسوبة من اتجاه عجلة القيادة.
- حالة قفل علبة النقل: تعرض رسم "قفل" فقط في أثناء حالة الدفع الرباعي (4WD) المرتفع، والدفع الرباعي (4WD) الأوتوماتيكي، والدفع الرباعي (4WD) المنخفض.

ميزات الأداء تشمل ما يلي:

- قفل المحور وحالة قضيب التآرجح (إذا كانت السيارة مزودة بذلك): يعرض رسم قفل المحور الأمامي والخلفي أو الخلفي فقط، ورسم وصلة قضيب التآرجح مع رسالة نصية (متصلة أو مفصولة).
- التآرجح والانزلاق
- يعرض تآرجح وانزلاق السيارة في الرسم مع رقم الزاوية على الشاشة.

ملاحظة:

عندما تصبح سرعة السيارة مرتفعة للغاية لعرض التآرجح والانزلاق، سيتم عرض "-". مكان الأرقام، وسيتم تظليل الرسم. سيتم أيضاً عرض رسالة تشير إلى السرعة اللازمة لكي تصبح الميزة متاحة.

ميزات الأداء - إذا كانت السيارة مزودة بذلك

اضغط على زر السهم لأعلى Δ أو لأسفل ∇ وحرره إلى أن يتم تمييز رمز/ عنوان Performance (الأداء) في شاشة عرض مجموعة أجهزة القياس. اضغط على زر سهم \blacktriangleleft (الليسار) أو \blacktriangleright (اليمين) right (اليمين) وحرره للتنقل خلال القوائم الفرعية لميزة الأداء.

تحذير!

الغرض من قياس إحصائيات السيارة باستخدام ميزات الأداء هو الاستخدام على الطرق غير الممهدة أو في حلبات السباق فقط ويجب ألا يتم استعماله على أي طرق عامة. وينصح باستخدام هذه الميزات في بيئة محكمة وفي حدود القانون. يجب عدم استغلال قدرات السيارات التي تم قياسها من خلال صفحات الأداء بطريقة متهوره أو خطيرة قد تعرض سلامة السائق أو سلامة الآخرين للخطر. فالسائق المنتبه والماهر والحذر هو الوحيد الذي يمكنه تجنب وقوع الحوادث.

موقت من 0 إلى 100 كم/الساعة (من 0 إلى 60 ميل/الساعة)

- Best (الأفضل)
- Last (الأخيرة)
- Current (الحالي)

موقت من 0 إلى 160 كم/الساعة (من 0 إلى 100 ميل/الساعة)

- Best (الأفضل)
- Last (الأخيرة)
- Current (الحالي)

Speed Timers (موقتات السرعة)

- نظام مراقبة ضغط هواء الإطارات
- Stop/Start (التوقف/بدء التشغيل) - إذا كانت السيارة مزودة بذلك
- حالة التعليق الهوائي - إذا كانت السيارة مزودة بذلك
- Engine Hours (ساعات تشغيل المحرك) — إذا كانت السيارة مزودة بذلك

ترشيد استهلاك الوقود

اضغط على زر سهم لأعلى ▲ أو زر سهم لأسفل ▼ وحرره حتى يتم تمييز عنصر القائمة Fuel Economy (ترشيد استهلاك الوقود) في شاشة عرض مجموعة أجهزة القياس. اضغط مع الاستمرار على زر OK (موافق) لإعادة ضبط معدل ترشيد استهلاك الوقود.

- ترشيد الوقود الحالي
- Average Fuel Economy (معدل ترشيد استهلاك الوقود)
- Range To Empty (النطاق الذي يمكن قطعه قبل نفاد الوقود)

Stop/Start (التوقف/بدء التشغيل) - إذا كانت السيارة مزودة بذلك

اضغط على زر السهم لأعلى ▲ أو لأسفل ▼ وحرره حتى يتم تمييز رمز/عنوان Stop/Start (الإيقاف/بدء التشغيل) في شاشة عرض مجموعة أجهزة القياس. سوف تعرض هذه الشاشة حالة Stop/Start (الإيقاف/بدء التشغيل).

- Battery Voltage (فولتية البطارية) - إذا كانت السيارة مزودة بذلك
- Gauge Summary (ملخص المقياس) — إذا كانت السيارة مزودة بذلك
 - Coolant Temp (درجة حرارة سائل التبريد)
 - Trans Temp (درجة حرارة ناقل الحركة)
 - Oil Temp (درجة حرارة الزيت)
 - ضغط الزيت
- Engine Hours (ساعات تشغيل المحرك) — إذا كانت السيارة مزودة بذلك

مجموعة أجهزة القياس المتميزة

- ترشيد استهلاك الوقود
 - المتوسط
 - Current (الحالي)
 - النطاق الذي يمكن قطعه قبل نفاد الوقود
- Gauge Summary (ملخص المقياس)
 - Coolant Temperature (درجة حرارة سائل التبريد) — إذا كانت السيارة مزودة بذلك
 - Battery Voltage (فولتية البطارية) - إذا كانت السيارة مزودة بذلك
 - Trans Temperature (درجة حرارة ناقل الحركة)
- ملخص الزيت
 - Oil Temperature (درجة حرارة الزيت)
 - Oil Life (العمر الافتراضي للزيت)
 - Oil Pressure (ضغط الزيت) — إذا كانت السيارة مزودة بذلك

- تحذير الاقتراب لوحدة التحكم في السرعة الثابتة المهيأة
- تحذير عدم توفر وحدة التحكم في السرعة الثابتة المهيأة

ميزة LaneSense (استشعار الحارة) — إذا كانت السيارة مزودة بذلك

ستعرض شاشة عرض مجموعة أجهزة القياس الإعدادات الحالية لنظام LaneSense (استشعار الحارة). تعتمد المعلومات المعروضة على حالة نظام LaneSense (استشعار الحارة) وشروطه التي يجب أن يتم استيفائها (صفحة ١٣٠).

Vehicle Info (معلومات السيارة)

- ▽ اضغط على زر السهم up ▲ (أعلى) أو down ▼ (أسفل) وحرره حتى يظهر رمز قائمة Vehicle Info (معلومات السيارة) في شاشة عرض مجموعة أجهزة القياس. اضغط على زر السهم لليسار ◀ أو لليمين ▶ وحرره للتمرير عبر قوائم المعلومات الفرعية واضغط على زر OK (موافق) وحرره لتحديد القوائم الفرعية أو إعادة ضبطها.

مجموعة أجهزة القياس في القاعدة والخط الأوسط

- نظام مراقبة ضغط هواء الإطارات
- التعليق الهوائي - إذا كانت السيارة مزودة بذلك
- Coolant Temperature (درجة حرارة سائل التبريد) — إذا كانت السيارة مزودة بذلك
- Trans Temperature (درجة حرارة ناقل الحركة)
- Oil Temperature (درجة حرارة الزيت)
- Oil Pressure (ضغط الزيت) — إذا كانت السيارة مزودة بذلك
- Oil Life (العمر الافتراضي للزيت)

Adaptive Cruise Control Off (إيقاف تشغيل وحدة التحكم في السرعة الثابتة المهيمنة)

عند إلغاء تنشيط وحدة التحكم في السرعة الثابتة المهيمنة (ACC)، ستعرض الشاشة "Adaptive Cruise Control Off" (إيقاف تشغيل وحدة التحكم في السرعة الثابتة المهيمنة).

Adaptive Cruise Control Ready (وحدة التحكم في السرعة الثابتة المهيمنة جاهزة)

عند تنشيط وحدة التحكم في السرعة الثابتة المهيمنة مع عدم اختيار إعداد سرعة السيارة، فستعرض الشاشة "Adaptive Cruise Control Ready" (وحدة التحكم في السرعة الثابتة المهيمنة جاهزة).

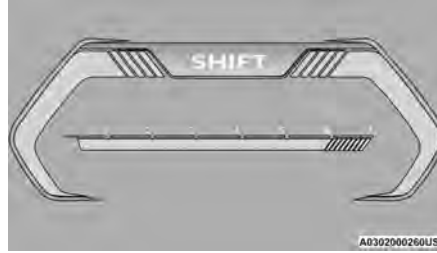
اضغط على زر SET+ أو SET- (الموجود بعجلة القيادة) وسيتم عرض ما يلي في شاشة عرض مجموعة أجهزة القياس:

ACC SET (ضبط وحدة التحكم في السرعة الثابتة المهيمنة)

عند ضبط وحدة التحكم في السرعة الثابتة المهيمنة (ACC)، سوف تعرض السرعة المحددة في مجموعة أجهزة القياس صفحة ١٧٤.

قد تظهر شاشة وحدة التحكم في السرعة الثابتة المهيمنة (ACC) مرة أخرى إذا حدث أي نشاط لوحدة التحكم في السرعة الثابتة المهيمنة (ACC)، والذي قد يتضمن أيًا مما يلي:

- تغيير إعداد المسافة
- إلغاء النظام
- التجاوز من قبل السائق
- إيقاف تشغيل النظام



شاشة عرض مجموعة Baja

مساعد السائق - إذا كانت السيارة مزودة بذلك

تعرض قائمة Driver Assist (مساعد السائق) حالة نظام وحدة التحكم في السرعة الثابتة المهيمنة (ACC) ونظام LaneSense (استشعار الحارة).

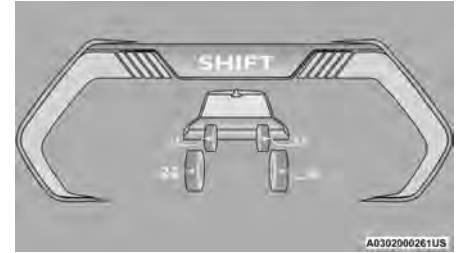
اضغط على زر السهم لأعلى △ أو لأسفل ▽ وحرره حتى يتم عرض قائمة Driver Assist (مساعد السائق) في شاشة مجموعة أجهزة القياس.

ميزة وحدة التحكم في السرعة الثابتة المهيمنة (ACC) ستعرض شاشة عرض مجموعة أجهزة القياس الإعدادات الحالية لنظام وحدة التحكم في السرعة الثابتة المهيمنة (ACC). وتعتمد المعلومات المعروضة على حالة نظام وحدة التحكم في السرعة الثابتة المهيمنة (ACC).

اضغط على زر ACC ON/OFF (تشغيل/إيقاف تشغيل وحدة التحكم في السرعة الثابتة المهيمنة) (الموجود على عجلة القيادة) حتى يتم عرض أي مما يلي على شاشة عرض مجموعة أجهزة القياس:

عداد السرعة
اضغط على زر السهم لأعلى △ أو لأسفل ▽ وحرره حتى يتم تمييز عنصر قائمة عداد السرعة في شاشة مجموعة أجهزة القياس. اضغط على زر موافق وحرره لتغيير شاشة العرض بين كم/ساعة أو ميل/الساعة. تتوفر خيارات Speedometer (عداد السرعة) كالتالي:

- تناظري
- رقمي
- عرض Sport (الرياضي)
 - ضغط الزيت
 - عداد السرعة
 - ضغط هواء الإطارات



شاشة عرض مجموعة Sport (الرياضي)

- عرض Baja
 - Gear (الترس)
 - عداد السرعة
 - قوة التسارع

4. اضغط مطولاً على زر **OK** (موافق) لإعادة ضبط عمر الزيت. إذا تم استيفاء الشروط، فسيتم تحديث شاشة عرض الأرقام والمقاييس لتعرض 100%. إذا لم يتم الوفاء بالشروط، فسوف تظهر الرسالة المنبثقة "To reset oil life engine must be off with ignition in run" (لإعادة ضبط عمر الزيت، يجب إيقاف تشغيل المحرك أثناء وجود مفتاح التشغيل في وضع الانطلاق) (لمدة خمس ثوان)، وسيظل المستخدم في شاشة "Oil Life" (عمر الزيت).

5. اضغط على زر السهم لأعلى △ أو لأسفل ▽ وحرره للخروج من شاشة القائمة الفرعية..

ملاحظة:

إذا أضاءت رسالة المؤشر عند بدء تشغيل السيارة، فإن ذلك يعني عدم إعادة ضبط نظام مؤشر تغيير الزيت. كرر الإجراء السابق إذا لزم الأمر.

عناصر قائمة شاشة العرض

اضغط على زر سهم لأعلى △ أو سهم لأسفل ▽ وحرره حتى يتم تمييز رمز القائمة القابل للتحديد المطلوب في شاشة عرض مجموعة أجهزة القياس.

○ Trailer Tire Pressure Monitor (مراقبة ضغط هواء الإطارات بالمقطورة)

إعادة ضبط عمر الزيت

إن سيارتك مزودة بنظام مؤشر تغيير زيت المحرك. ستظهر رسالة "Oil Change Required" (يلزم تغيير الزيت) في شاشة عرض مجموعة أجهزة القياس لمدة خمس ثوان بعد إصدار إشارة صوتية واحدة للإشارة إلى موعد تغيير الزيت الدوري التالي. يستند نظام مؤشر تغيير زيت المحرك على دورة الخدمة، ويعني ذلك أن موعد تغيير زيت المحرك يختلف وفقاً لنمط القيادة الشخصي.

وما لم يتم إعادة الضبط فإن هذه الرسالة تستمر في العرض في كل مرة تضع فيها مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق). لإيقاف عرض الرسالة مؤقتاً، اضغط على زر **OK** (موافق) وحرره أو أزرار الأسهم. لإعادة ضبط نظام مؤشر تغيير الزيت (بعد تنفيذ الصيانة الدورية)، نفذ الإجراء التالي:

1. من دون الضغط على دواسة الفرامل، اضغط على زر ENGINE START/STOP (بدء تشغيل/إيقاف المحرك) وقم بإدارة مفتاح التشغيل إلى وضع ON/RUN (التشغيل الانطلاق) (لا تبدأ تشغيل المحرك).

2. اضغط على زر السهم الانتقال إلى الأسفل ▽ وحرره للتمرير لأسفل عبر القائمة الرئيسية حتى الوصول إلى "Vehicle Info" (معلومات السيارة).

3. اضغط على زر سهم **right** (لليمين) ▷ وحرره للوصول إلى شاشة "Oil Life" (عمر الزيت).

• الملاحظة

○ Route Set (تم ضبط المسار) / Route Not Set (لم يتم ضبط المسار)

○ Trip A (الرحلة أ) / Trip B (الرحلة ب)

• Vehicle Info (معلومات السيارة)

○ Coolant Temp (درجة حرارة سائل التبريد)

○ Trans Temp (درجة حرارة ناقل الحركة)

○ Oil Temp (درجة حرارة الزيت)

○ ضغط الزيت

○ Battery Voltage (فولتية البطارية)

○ Oil Life (العمر الافتراضي للزيت)

○ ضغط هواء الإطارات

○ ترشيد استهلاك الوقود

○ التعليق الهوائي

• Driver Info (معلومات السائق)

○ Driver Assist (مساعد السائق)

• Audio (الصوت)

○ Audio Info (معلومات الصوت)

• Off Road (الطرق غير الممهدة)

○ Selec-Terrain / Air Suspension

○ Status (حالة نظام Selec-Terrain / التعليق الهوائي)

○ Steering Angle (زاوية التوجيه)

○ Pitch (التأرجح)

○ Roll (الانزلاق)

• سحب المقطورة

○ Trailer Trip (رحلة المقطورة)

○ Trailer Brake (فرامل المقطورة)

ملاحظة:

يمكن للمستخدم التنقل داخل القائمة المحددة حاليًا أو الخيارات الظاهرة على الشاشة بالضغط المطول على زر السهم لأعلى Δ / لأسفل ∇ أو اليسار \leftarrow / اليمين \rightarrow .

يتم التفاف القائمة الرئيسية والقوائم الفرعية بالتمرير المستمر.

عند العودة إلى القائمة الرئيسية، سيتم عرض شاشة القائمة الفرعية الأخيرة التي تم عرضها في القائمة الرئيسية.

زر OK (موافق):

بالنسبة لإعداد السرعة الرقمي:

يؤدي الضغط على زر **OK** (موافق) إلى تغيير الوحدات (كم/ساعة أو ميل/ساعة).

زر القائمة

اضغط على زر القائمة لعرض الشاشة الرئيسية.

انتقل إلى اليسار \leftarrow أو اليمين \rightarrow لتمييز الإطار المتجانب المطلوب. اضغط على **OK** (موافق) لتحديد المطلوب. بمجرد الضغط على **OK** (موافق)، ستنتقل مجموعة أجهزة القياس إلى القائمة الفرعية المحددة (على سبيل المثال "Audio" (الصوت)).

ملاحظة:

يؤدي الخروج من إطار Speed Limit (حد السرعة) المتجانب وإطار Navigation (التنقل) المتجانب بالشاشة الرئيسية في ظل عدم وجود الإثرائت إلى الانتقال إلى القائمة الفرعية Speedometer (عداد السرعة).

اضغط على الزر لأعلى Δ أو لأسفل ∇ لتحديد شاشة أخرى ضمن الفئة المحددة.

إذا تم الضغط على زر القائمة من داخل طريقة العرض هذه، فستعود مجموعة أجهزة القياس إلى الشاشة المعروضة سابقًا.

اضغط مطولاً على الزر **OK** (موافق) للدخول في وضع التحرير.

○ قد يترآكب نص التعليمات مع عداد سرعة المحرك المنخفض

بالنسبة لإعداد الشاشة:

يُتيح زر **OK** (موافق) للمستخدم الدخول إلى القائمة والقوائم الفرعية.

من داخل كل طبقة من طبقات القائمة الفرعية، يُتيح زرا السهم لليسار \leftarrow و اليمين \rightarrow للمستخدم تحديد العنصر المطلوب

يؤدي الضغط على زر **OK** (موافق) إلى إجراء التحديد، وستظهر شاشة تأكيد (تعيد المستخدم إلى الصفحة الأولى من القائمة الفرعية).

يؤدي الضغط على زر السهم لأعلى Δ إلى الخروج من كل طبقة من طبقات القائمة الفرعية والعودة إلى القائمة الرئيسية.

تخصيص تكوين الإطارات المتجانبية — إذا كانت السيارة مزودة بذلك

لتخصيص مجموعة أجهزة القياس بشكل أكبر، يمكنك تحديد ما يصل إلى خمسة إطارات تجانب لعرض المعلومات بناءً على احتياجاتك.

اضغط على زر **MENU** (القائمة) لعرض الشاشة الرئيسية.

انتقل إلى اليسار \leftarrow أو اليمين \rightarrow لتمييز الإطار المتجانب المطلوب

اضغط على **OK** (موافق) لتحديد الإطار المتجانب والانتقال إلى القائمة الفرعية المحددة واضغط على **OK** (موافق) مرةً أخرى لإضافة التحديد إلى طريقة عرض إطار التجانب

إذا كانت السيارة مزودة بذلك، فإن خيارات القائمة الرئيسية للشاشة الرئيسية هي Driver Info (معلومات السائق) و Vehicle Info (معلومات السيارة) و Navigation (الملاحة)، و Audio (الصوت) و Off Road (الطرق غير الممهدة)

**مثال على شاشة الإطارات المتجانب المخصصة**

يمكنك تخصيص شاشة عرض مجموعة أجهزة القياس بما يصل إلى خمسة إطارات متجانبية قد تتألف مما يلي:

ملاحظة:

قد تختلف هذه الخيارات استنادًا إلى مستوى كسوة السيارة.



أزرار التحكم الخاصة بشاشة عرض مجموعة أجهزة القياس المتميزة

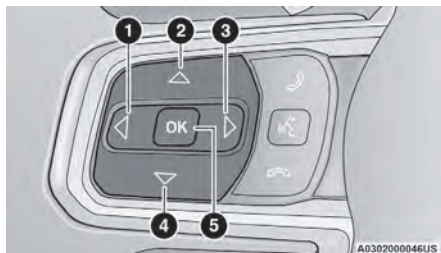
- 1 — زر سهم لليسار
- 2 — زر السهم لأعلى
- 3 — زر سهم لليمين
- 4 — زر سهم لأسفل
- 5 — زر OK (موافق)
- 6 — زر القائمة

زرا السهم لأعلى ▲ و لأسفل ▼ :

يتيح لك استخدام زر السهم لأعلى ▲ أو لأسفل ▼ التنقل بين عناصر القائمة الرئيسية.

زرا السهم لليسار ◀ و لليمين ▶ :

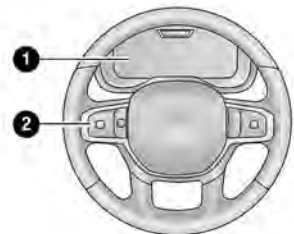
يتيح لك استخدام زر السهم لليسار ◀ أو لليمين ▶ التنقل بين عناصر القوائم الفرعية لعنصر القائمة الرئيسية.



أزرار التحكم الخاصة بشاشة عرض مجموعة أجهزة القياس بالخط الأوسط/الخط العالي

- 1 — زر سهم لليسار
- 2 — زر السهم لأعلى
- 3 — زر سهم لليمين
- 4 — زر سهم لأسفل
- 5 — زر OK (موافق)

موقع شاشة عرض مجموعة أجهزة القياس ومفاتيح التحكم بها



A0302000212US

موقع شاشة عرض/ مفاتيح التحكم في مجموعة أجهزة القياس

- 1 — شاشة عرض مجموعة أجهزة القياس
- 2 — مفاتيح التحكم في شاشة عرض مجموعة أجهزة القياس

يتيح النظام للسائق اختبار المعلومات بالضغط على مفاتيح التحكم الخاصة بشاشة عرض مجموعة أجهزة القياس التالية المثبتة على الجانب الأيسر من عجلة القيادة.

يتيح لك الضغط مطولاً على زر **OK (موافق)** في مفاتيح التحكم في شاشة عرض مجموعة أجهزة القياس الموجودة على عجلة القيادة تغيير شاشة العرض من **Analog** (تناظري) إلى **Digital** (رقمي).

أوصاف مجموعة أجهزة القياس الفاخرة — البنزين

1. عداد سرعة المحرك (التاكوميتر)

○ يبين سرعة المحرك مقاسة بعدد الدورات في الدقيقة (عدد الدورات في الدقيقة $\times 1000$).

2. عداد السرعة

○ يشير إلى سرعة السيارة.

ملاحظة:

يصدر صوت صافرة عندما تكون سرعة السيارة أعلى من 120 كم/ساعة.

3. مقياس الحرارة

○ يدل مقياس درجة الحرارة على درجة حرارة سائل تبريد المحرك. فإذا كان مكان المؤشر في المدى من 95 درجة مئوية إلى 110 درجات مئوية (من 203 درجات فهرنهايت إلى 230 درجة فهرنهايت)، فسوف يدل ذلك على أن نظام تبريد المحرك يعمل بصورة صحيحة.

○ وقد يشير المؤشر إلى درجات حرارة أعلى من المعدل عند القيادة في طقس حار وعند تسلق المرتفعات أو عند سحب المقطورات. ويجب عدم السماح بأن يتجاوز المؤشر الحدود القصوى لدرجة حرارة التشغيل الطبيعية.

تحذير!

ارتفاع درجة حرارة نظام التبريد أمر خطير. وقد يسبب لك ولآخرين حروقاً بالبخار أو السائل الساخن جداً إلى درجة الغليان. ربما ترغب بالاتصال بالوكيل المعتمد من أجل الصيانة إذا ارتفعت درجة حرارة السيارة
↪ صفحة ٣٧٢.

تنبيه!

إن قيادة السيارة عندما يكون نظام تبريد المحرك ساخناً يمكن أن يلحق الضرر بسيارتك. إذا كان جهاز قياس درجة الحرارة في وضع الحرارة العالية **H**، فيجب التوقف عن القيادة وإيقاف السيارة. أوقف السيارة بعد ذلك أثناء إيقاف تشغيل جهاز تكييف الهواء حتى يهبط المؤشر إلى النطاق العادي. إذا ظل المؤشر في **"H"**، فأوقف تشغيل المحرك على الفور واتصل بالوكيل المعتمد ليقوم بالصيانة.

4. مجموعة أجهزة القياس شاشة عرض

○ تتميز شاشة مجموعة أجهزة القياس بشاشة تفاعلية مع السائق ↪ صفحة ١٠٦.

ملاحظة:

ستضيء أضواء الإشارة المادية للفحص بالمصباح عند تدوير مفتاح التشغيل لأول مرة.

5. الوقود المقياس

- يعرض المؤشر مستوى الوقود في خزان الوقود عند وجود زر الضغط دون مفاتيح في وضع **ON/RUN** (التشغيل/الانطلاق).
- يشير رمز مضخة الوقود إلى جانب السيارة الذي يوجد فيه باب الوقود.



شاشة عرض مجموعة أجهزة القياس

حسب مستوى كسوة السيارات لديك، قد تختلف الميزات والخيارات.

ستكون السيارة مزودة بشاشة عرض مجموعة أجهزة القياس، والتي تقدم معلومات مفيدة للسائق. أثناء وجود مفتاح التشغيل في وضع **OFF** (إيقاف التشغيل)، سيؤدي فتح/إغلاق أحد الأبواب إلى تنشيط شاشة العرض للمشاهدة وستعرض إجمالي الأميال أو الكيلومترات في عداد المسافة. تم تصميم شاشة عرض مجموعة أجهزة القياس لعرض معلومات هامة حول أنظمة السيارة ومزاياها. باستخدام شاشة عرض تفاعلية خاصة بالسائق وموجودة على لوحة أجهزة القياس، يمكن أن تعرض شاشة عرض مجموعة أجهزة القياس كيفية عمل الأنظمة مع توفير تحذيرات عند توقفها عن العمل. تتيح لك مفاتيح التحكم المثبتة على عجلة القيادة التنقل عبر القوائم الرئيسية والقوائم الفرعية. يمكنك الوصول إلى المعلومات المحددة التي تريدها مع إجراء التحديدات والتعديلات.

مجموعة أجهزة القياس الممتازة — TRX



يؤدي الضغط مطولاً على زر **OK** (موافق) في مفاتيح التحكم في شاشة عرض مجموعة أجهزة القياس الموجودة على عجلة القيادة إلى السماح لك بتغيير شاشة العرض من Digital (رقمي) إلى Analog (تناظري).

أوصاف مجموعة أجهزة القياس الفاخرة — البنزين

1. مقياس الحرارة

- يدل مقياس درجة الحرارة على درجة حرارة سائل تبريد المحرك. فإذا كان مكان المؤشر في المدى من 95 درجة مئوية إلى 110 درجات مئوية (من 203 درجات فهرنهايت إلى 230 درجة فهرنهايت)، فسوف يدل ذلك على أن نظام تبريد المحرك يعمل بصورة صحيحة.
- وقد يشير المؤشر إلى درجات حرارة أعلى من المعدل عند القيادة في طقس حار وعند تسلق المرتفعات أو عند سحب المقطورات. ويجب عدم السماح بأن يتجاوز المؤشر الحدود القصوى لدرجة حرارة التشغيل الطبيعية.

تحذير!

ارتفاع درجة حرارة نظام التبريد أمر خطير. وقد يسبب لك وللآخرين حروقا بالبخار أو السائل الساخن جدًا إلى درجة الغليان. ربما ترغب بالاتصال بالوكيل المعتمد من أجل الصيانة إذا ارتفعت درجة حرارة السيارة
 ➞ صفحة ٣٧٢.

تنبيه!

إن قيادة السيارة عندما يكون نظام تبريد المحرك ساخناً يمكن أن يلحق الضرر بسيارتك. إذا كان جهاز قياس درجة الحرارة في وضع الحرارة العالية H، فيجب التوقف عن القيادة وإيقاف السيارة. أوقف السيارة بعد ذلك أثناء إيقاف تشغيل جهاز تكييف الهواء حتى يهبط المؤشر إلى النطاق العادي. إذا ظل المؤشر في "H"، فأوقف تشغيل المحرك على الفور واتصل بالوكيل المعتمد ليقوم بالصيانة.

2. عداد السرعة

- يشير إلى سرعة السيارة.

ملاحظة:

يصدر صوت صافرة عندما تكون سرعة السيارة أعلى من 120 كم/ساعة.

3. الوقود المقياس

- يعرض المؤشر مستوى الوقود في خزان الوقود عند وجود زر الضغط دون مفاتيح في وضع ON/RUN (التشغيل/الانطلاق).



- يشير رمز مضخة الوقود إلى جانب السيارة الذي يوجد فيه باب الوقود.

4. عداد سرعة المحرك (التاكوميتر)

- يبين سرعة المحرك مقاسة بعدد الدورات في الدقيقة (عدد الدورات في الدقيقة × 1000).

5. مجموعة أجهزة القياس شاشة عرض

- تتميز شاشة مجموعة أجهزة القياس بشاشة تفاعلية مع السائق ➞ صفحة ١٠٦.

ملاحظة:

ستضيء أضواء الإشارة المادية للفحص بالمصباح عند تدوير مفتاح التشغيل لأول مرة.



أوصاف مجموعة أجهزة القياس بالخط العالي — البنزين

1. عداد سرعة المحرك (التاكوميتر)
 - يبين سرعة المحرك مقاسة بعدد الدورات في الدقيقة (عدد الدورات في الدقيقة $\times 1000$).
2. مجموعة أجهزة القياس شاشة عرض
 - عند توافر الظروف المناسبة، تعرض هذه الشاشة رسائل شاشة مجموعة أجهزة القياس
 - ➡ صفحة ١٠٦.
 - تعرض شاشة العرض دائماً أحد عناصر القائمة الرئيسية بعد تشغيل الإشعال.
3. عداد السرعة
 - يشير إلى سرعة السيارة.

ملاحظة:

يصدر صوت صافرة عندما تكون سرعة السيارة أعلى من 120 كم/ساعة.

4. مقياس الحرارة

- يشير المؤشر إلى درجة حرارة سائل تبريد المحرك. يشير المؤشر الموجود في المدى الطبيعي إلى أن نظام تبريد المحرك يعمل بشكل طبيعي.
- وقد يشير المؤشر إلى درجات حرارة أعلى من المعدل عند القيادة في طقس حار وعند تسلق المرتفعات أو عند سحب المقطورات. ويجب عدم السماح بأن يتجاوز المؤشر الحدود القصوى لدرجة حرارة التشغيل الطبيعية.

تحذير!

ارتفاع درجة حرارة نظام التبريد أمر خطير. وقد يسبب لك وللآخرين حروقاً بالبخار أو السائل الساخن جداً إلى درجة الغليان. ربما ترغب بالاتصال بالوكيل المعتمد من أجل الصيانة إذا ارتفعت درجة حرارة السيارة
➡ صفحة ٣٧٢.

تنبيه!

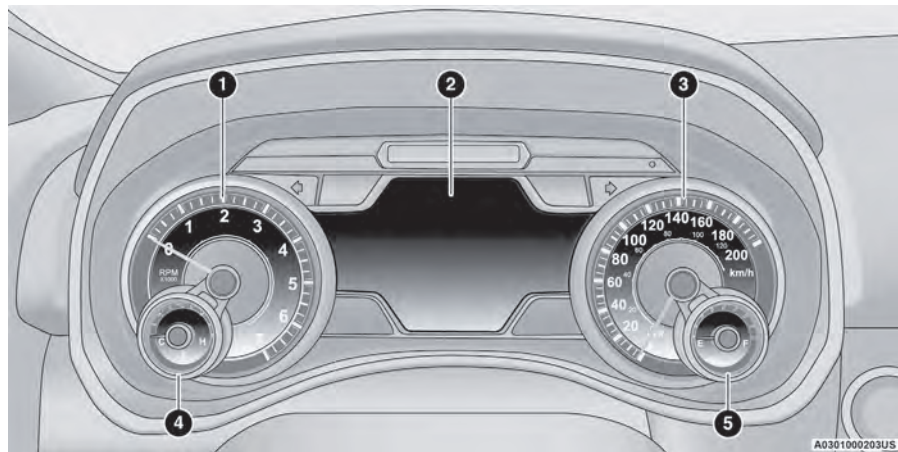
إن قيادة السيارة عندما يكون نظام تبريد المحرك ساخناً يمكن أن يلحق الضرر بسيارتك. إذا كان جهاز قياس درجة الحرارة في وضع الحرارة العالية H، فيجب التوقف عن القيادة وإيقاف السيارة. أوقف السيارة بعد ذلك أثناء إيقاف تشغيل جهاز تكييف الهواء حتى يهبط المؤشر إلى النطاق العادي. إذا ظل المؤشر في "H"، فأوقف تشغيل المحرك على الفور واتصل بالوكيل المعتمد ليقوم بالصيانة.

5. الوقود المقياس

- يشير هذا المؤشر إلى مستوى الوقود في خزان الوقود عندما يكون مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق).
- يشير رمز مضخة الوقود إلى جانب السيارة الذي يوجد فيه باب الوقود.



مجموعة أجهزة القياس بالخط العالي — البنزين



أوصاف مجموعة أجهزة القياس بالخط المتوسط — البنزين

1. عداد سرعة المحرك (التاكوميتر)

- يبين سرعة المحرك مقاسة بعدد الدورات في الدقيقة (عدد الدورات في الدقيقة $\times 1000$).

2. جهاز قياس فولتية

- عندما تكون السيارة في حالة RUN (التشغيل) يشير المقياس إلى فولتية النظام الكهربى. ويكون المؤشر في النطاق الطبيعي إذا كانت البطارية في حالة شحن. أما إذا انتقل المؤشر إلى أقصى اليمين أو اليسار واستمر في هذا الوضع أثناء ظروف القيادة الطبيعية، فيجب صيانة النظام الكهربى.

ملاحظة:

في السيارات المزودة بنظام الإيقاف/البعد، قد توجد فولتية منخفضة أثناء التوقف الأوتوماتيكي.

3. مجموعة أجهزة القياس شاشة عرض

- عند توافر الظروف المناسبة، تعرض هذه الشاشة رسائل شاشة مجموعة أجهزة القياس

صفحة ١٠٦.

- تعرض شاشة العرض دائماً أحد عناصر القائمة الرئيسية بعد تشغيل الإشعال.

4. مقياس ضغط الزيت

- يجب أن يوضح المؤشر دائماً ضغط الزيت عند تشغيل المحرك. أما القراءات المرتفعة أو المنخفضة في ظروف القيادة الطبيعية فقد تعني وجود خلل بنظام التشحيم. وعندئذ ينبغي إجراء خدمة فورية لدى أحد الوكلاء المعتمدين.

ملاحظة:

في السيارات المزودة بنظام الإيقاف/البعد، تكون إشارة ضغط الزيت صفر طبيعية أثناء التوقف الأوتوماتيكي.

5. عداد السرعة

- يشير إلى سرعة السيارة.

ملاحظة:

يصدر صوت صافرة عندما تكون سرعة السيارة أعلى من 120 كم/ساعة.

6. مقياس الحرارة

- يشير المؤشر إلى درجة حرارة سائل تبريد المحرك. يشير المؤشر الموجود في المدى الطبيعي إلى أن نظام تبريد المحرك يعمل بشكل طبيعي.
- وقد يشير المؤشر إلى درجات حرارة أعلى من المعدل عند القيادة في طقس حار وعند تسلق المرتفعات أو عند سحب المقطورات. ويجب عدم السماح بأن يتجاوز المؤشر الحدود القصوى لدرجة حرارة التشغيل الطبيعية.

تحذير!

ارتفاع درجة حرارة نظام التبريد أمر خطير. وقد يسبب لك وللآخرين حروفاً بالبخر أو السائل الساخن جداً إلى درجة الغليان. ربما ترغب بالاتصال بالوكيل المعتمد من أجل الصيانة إذا ارتفعت درجة حرارة السيارة

صفحة ٣٧٢.

تنبيه!

إن قيادة السيارة عندما يكون نظام تبريد المحرك ساخناً يمكن أن يلحق الضرر بسيارتك. إذا كان جهاز قياس درجة الحرارة في وضع الحرارة العالية H، فيجب التوقف عن القيادة وإيقاف السيارة. أوقف السيارة بعد ذلك أثناء إيقاف تشغيل جهاز تكييف الهواء حتى يهبط المؤشر إلى النطاق العادي. إذا ظل المؤشر في "H"، فأوقف تشغيل المحرك على الفور واتصل بالوكيل المعتمد ليقوم بالصيانة.

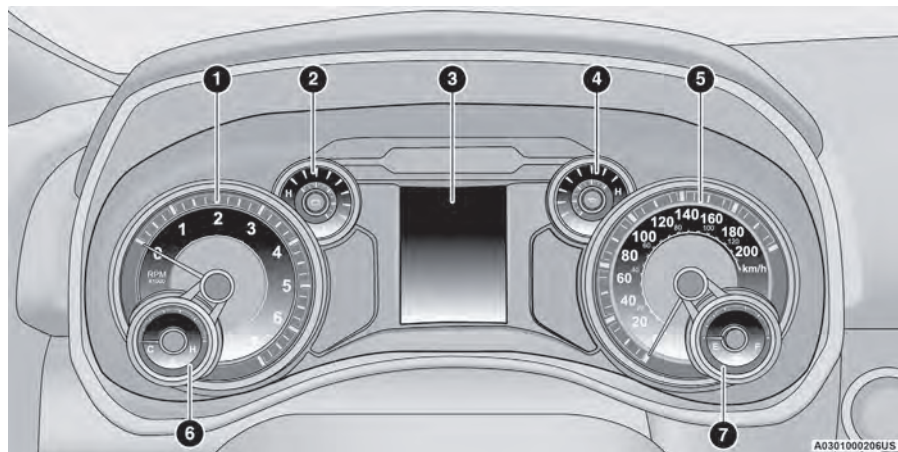
7. الوقود المقياس

- يشير هذا المؤشر إلى مستوى الوقود في خزان الوقود عندما يكون مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق).
- يشير رمز مضخة الوقود إلى جانب السيارة الذي يوجد فيه باب الوقود.



التعرف على لوحة أجهزة القياس

مجموعة أجهزة القياس في الخط الأوسط — البنزين



تنبيه!

تقع على السائق مسؤولية التأكد من تركيب الغطاء الخلفي بشكل صحيح في السيارة. قد يترتب على عدم اتباع هذا الإجراء انفصال الغطاء الخلفي من السيارة و/أو تلف السيارة/الغطاء الخلفي.

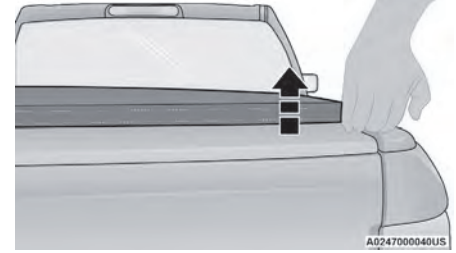
تنظيف الغطاء الخلفي ثلاثي الطي

لتنظيف غطاء المقعد الخلفي بصورة صحيحة، استخدم

Mopar® Whitewall & Vinyl Top

Cleaner والواقى/الملطف Mopar® Leather &

Vinyl Conditioner/Protectant.

**جذب زوايا غطاء المقعد الخلفي لأعلى**

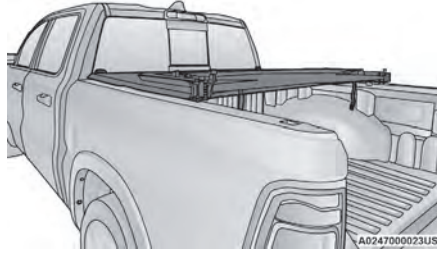
10. اجذب كل زوايا غطاء المقعد الخلفي الأربعة بلطف للتأكد من أنه مثبت بشكل صحيح.

تحذير!

يجب عليك التأكد من تركيب غطاء المقعد الخلفي بشكل صحيح في السيارة قبل القيادة. قد يطير غطاء المقعد الخلفي غير المثبت من السيارة في أثناء الحركة، مما يؤدي إلى حدوث اصطدام والتعرض لإصابة شخصية والوفاة. وقد يؤدي عدم اتباع هذا الإجراء أيضًا إلى تلف السيارة وغطاء المقعد الخلفي.



الوضع الثاني (منبسط بشكل كامل)



وضع اللوحة الثانية

ملاحظة:

قم بفك طي اللوحة برفق ولا تترك اللوحات تسقط تحت تأثير وزنها.

7. قم بفك طي الغطاء الخلفي بالكامل.

ملاحظة:

تحقق أيضًا للتأكد من وجود المصدات الصفراء ذات المزلّاج أمام شفة الجانب السفلي من حافة الشاحنة. تأكد من أن غطاء المقعد الخلفي موضوع إلى الأمام بشكل كامل، حتى يسمح المصد الشفة.

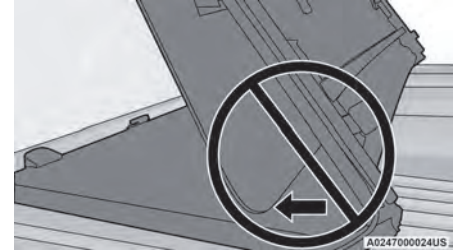
تنبيه!

لا يمكن قيادة السيارة عندما يكون غطاء المقعد الخلفي في وضع اللوحة الثانية.

4. اسحب المقبض لأسفل للتأكد من التعشيق الكامل لذراع قفل الحركة. افعل هذا للجانبين الأيسر والأيمن.

5. قم بفك أشرطة التخزين وإعادة كيسها مرة أخرى في الثانية.

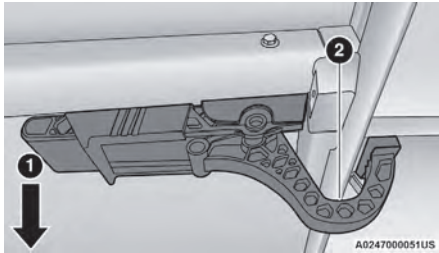
6. قم بفك طي غطاء المقعد الخلفي إلى موضع اللوحة الثانية.



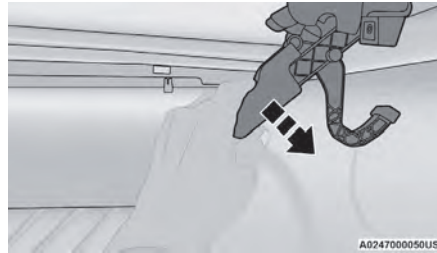
طي غير صحيح - سيتسبب في حدوث تلف

ملاحظة:

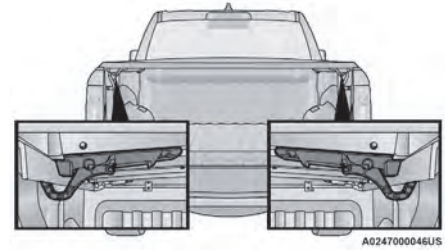
عند طي اللوحتين الثانية والثالثة، يجب تثبيت الأجزاء معًا لتجنب تلف مادة الغطاء. قم بطي اللوحة برفق. لا يوصى بترك اللوحات تسقط تحت تأثير وزنها.



الخطاف على شكل ل أسفل حافة الشاحنة



فتح المزلاج

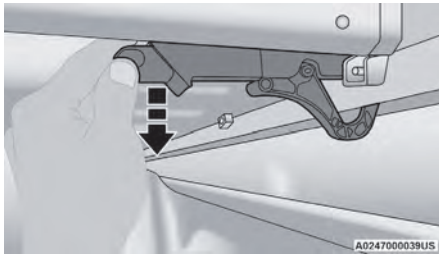


مكان المزلاج الأمامية

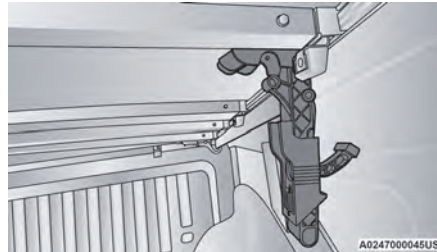
- 1 — مقدمة الشاحنة
- 2 - خطاف على شكل حرف ل

ملاحظة:

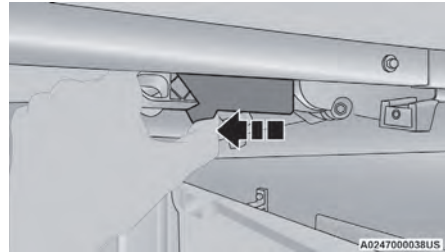
تأكد من أن المصد يقع أمام شفة حافة الشاحنة.



اسحب المقبض لأسفل



وضع التحرير



ذراع قفل الحركة إلى داخل الشاحنة

3. دلّ الخطاف الذي على شكل حرف ل من المقبض وادفع المقبض إلى المنتصف ولأعلى مع التأكد من أن الخطاف الذي على شكل حرف ل يقع تحت حافة الشاحنة. ادفع المقبض لأعلى بقوة لتثبيته في وضع التثبيت.



أمسك بالمصد وادفع المقبض لأعلى

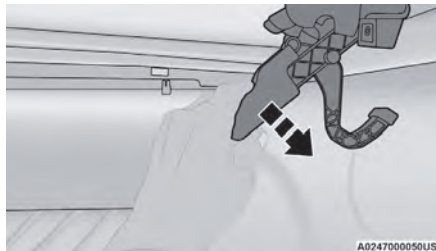
8. وأنت ممسك بالمصد، اضغط على المزلاج المتحرر بالكامل إلى الوسط وادفعه لأعلى. ادفع المقبض بقوة لتثبيته في وضع التخزين. كرر الخطوتين رقم 2 و3 للمزلاجين اللذين في الاتجاه المعاكس.
9. بمساعدة شخصين، قم بإزالة الغطاء.

تركيب الغطاء الخلفي ثلاثي الطي

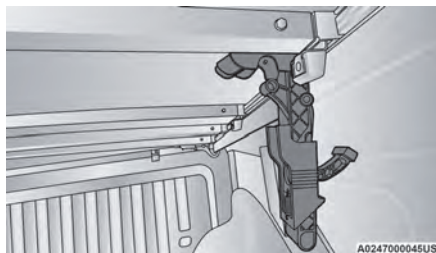
لتركيب غطاء المقعد الخلفي، اتبع هذه الخطوات:

1. ضع غطاء المقعد الخلفي على سطح الشاحنة واجعله في المنتصف باستخدام مصدات تحديد الموقع.
2. حدد موقع الزوج الأمامي من مزلاج غطاء المقعد الخلفي على الجانب السفلي من الغطاء. حرك ذراع القفل تجاه خارج سطح الشاحنة وحرر المزلاج من وضع التخزين واسحب المقبض لأسفل إلى وضع التحرير. افعل هذا للجانبين الأيسر والأيمن.

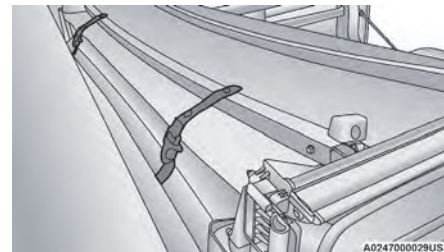
7. حرك ذراع القفل تجاه خارج سطح الشاحنة لتحرير الخطاف الذي على شكل حرف L، واسحب المقبض تجاه وضع التحرير.



فتح المزلاج



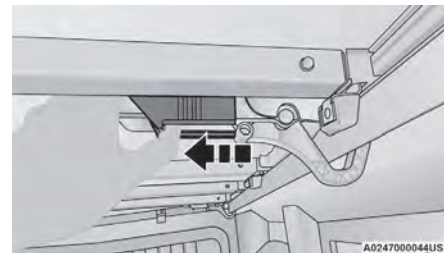
وضع التحرير



غطاء مقعد خلفي مطوي بالكامل

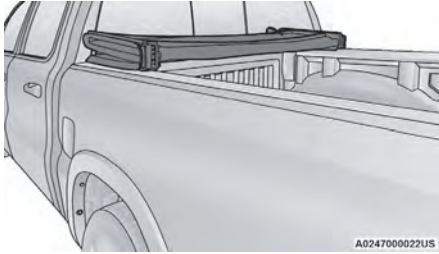
ملاحظة:

يمكن قيادة السيارة أثناء وجود غطاء المقعد الخلفي في موضع الطي أو يمكن إزالته بالكامل.



حرك ذراع القفل للداخل

6. قم بفك شريط التخزين والمشبك. كرر الأمر لكلا الشريطين لمنع بسط لوحات غطاء المقعد الخلفي.



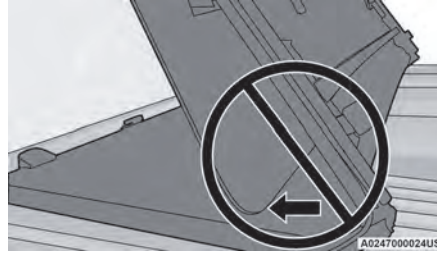
الوضع الأول (تثبيت المزالج الأمامية وإحكام أشرطة التخزين)

ملاحظة:

تأكد من طي غطاء المقعد الخلفي بالكامل، ومن تثبيت أشرطة التخزين، قبل الإزالة.

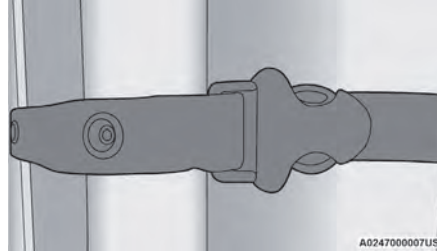
تنبيه!

يجب تثبيت غطاء المقعد الخلفي بواسطة كلٍّ من المزالجين الأماميين وكلٍّ من شريطي التخزين الأماميين وإلا فقد يلحق الضرر بغطاء المقعد الخلفي أو بالسيارة أثناء القيادة.

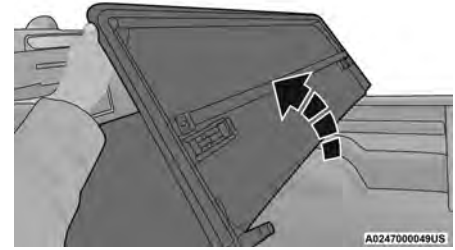


طي غير صحيح - سيتسبب في حدوث تلف

5. ارفع اللوحتين الثانية والثالثة واطوهما على اللوحة الأولى.



شريط التخزين مثبت



رفع اللوحة رقم 3 وطيها على اللوحة رقم 2

4. ارفع اللوحة رقم 3 واطوها على اللوحة رقم 2.



طي صحيح - تثبيت اللوحات معًا

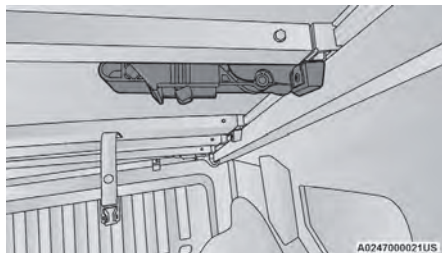
ملاحظة:

عند طي اللوحتين الثانية والثالثة، يجب تثبيت الأجزاء معًا لتجنب تلف مادة الغطاء. قم بطي اللوحة برفق. لا يوصى بترك اللوحات تسقط تحت تأثير وزنها.



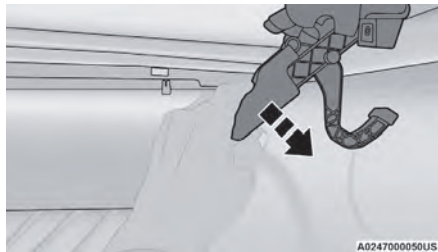
أمسك بالمصد وادفع المقبض لأعلى

3. وأنت ممسك بالمصد، اضغط على المزلاج المتحرر بالكامل إلى الوسط وادفعه لأعلى. ادفع المقبض بقوة لتثبيته في وضع التخزين. كرر الخطوتين رقم 2 و3 للمزلاجين اللذين في الاتجاه المعاكس.

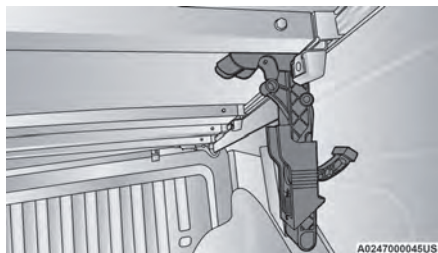


وضع التخزين

2. حرك ذراع القفل تجاه خارج سطح الشاحنة لتحرير الخطاف الذي على شكل حرف L، واسحب المقبض تجاه وضع التحرير.



فتح المزلاج

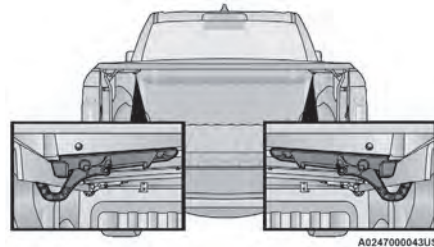


وضع التحرير

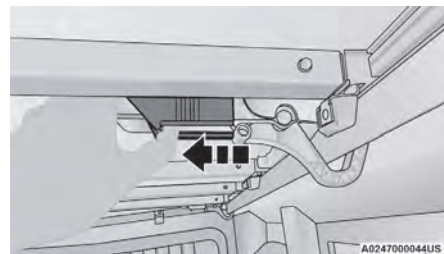
غطاء المقعد الخلفي ثلاثي الطي للقيادة أو الإزالة

لإزالة غطاء المقعد الخلفي، اتبع الخطوات التالية:

1. افتح باب المؤخرة للوصول إلى المزلاجين الخلفيين لغطاء المقعد الخلفي الموجودين أسفل الغطاء.



مكان المزلاجين الخلفيين

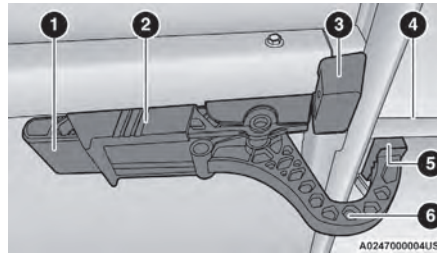


حرك ذراع القفل للداخل

غطاء المقعد الخلفي ثلاثي الطي - إذا كانت السيارة مزودة بذلك

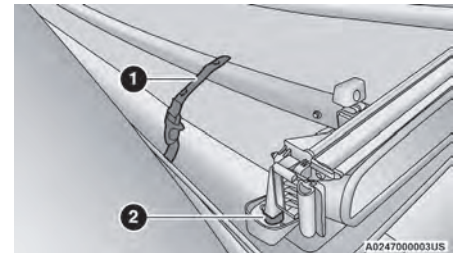
يمكن تركيب غطاء المقعد الخلفي على سطح الشاحنة لحماية العدة والحمولة.

مكونات غطاء المقعد الخلفي



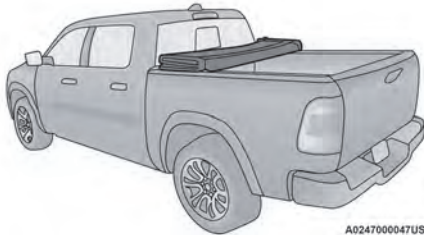
مكونات مزلاج غطاء المقعد الخلفي

- 1 — مقبض
- 2 — ذراع قفل الحركة
- 3 — مصد تحديد الموقع
- 4 — شفة حافة الشاحنة
- 5 — مصد المزلاج
- 6 — خطاف على شكل حرف L



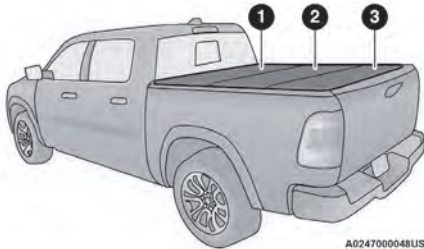
مكونات غطاء المقعد الخلفي المطوي

- 1 — شريط التخزين
- 2 — المصد المطوي لغطاء المقعد الخلفي



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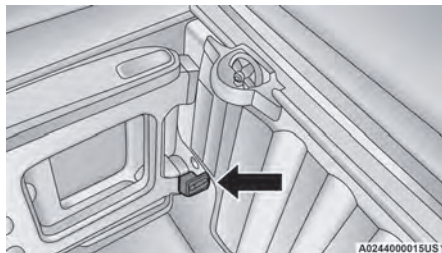
الوضع الأول (تثبيت المزاليج الأمامية وإحكام أشرطة التخزين)



A0247000048US

الوضع الثاني (تثبيت المزاليج الأمامية والخلفية)

- 1 — اللوحة 1
- 2 — اللوحة 2
- 3 — اللوحة 3

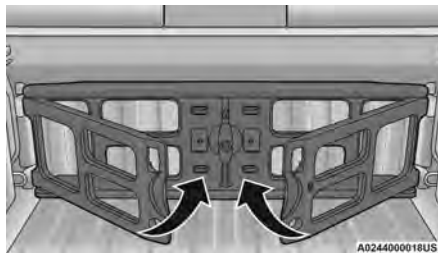


حلقة ربط الحمولة

وضع التخزين

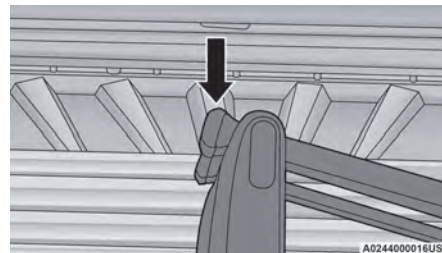
يوجد موضع تخزين مُقَيِّم السطح في مقدمة سطح الشاحنة، ويُستخدم لزيادة مساحة منطقة الحمولة من السطح في حالة عدم استخدامه.

لتركيب مُقَيِّم السطح في موضع التخزين، قم بالخطوات نفسها التي تقوم بها لوضع المُقَسِّم، ولكن ضع المُقَيِّم إلى الأمام بشكل كامل في السطح أمام اللوحة الأمامية.



وضع التخزين

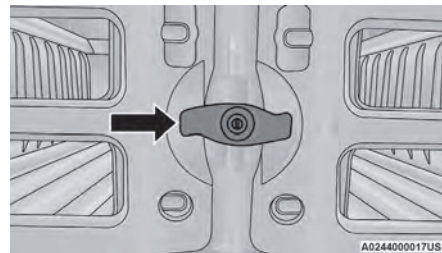
ينبغي وضع الطرفين الخارجيين أمام حلقات ربط الحمولة.



محاذاة الباب مع الفتحات

3. أغلق البابين الجانبيين بحيث يتم تثبيت الطرفين الخارجيين في الفتحات المقصودة بالسطح.

4. أدر المقبض الأوسط أفقيًا لقفل البابين الجانبيين.



البابان الجانبيين مغلقان

5. اقفل المقبض الأوسط لإحكام اللوحة في مكانها.

تحذير سلامة علبة RAMBOX

اتبع هذه التحذيرات جيدًا للمساعدة في منع الإصابة البدنية أو تلف السيارة:

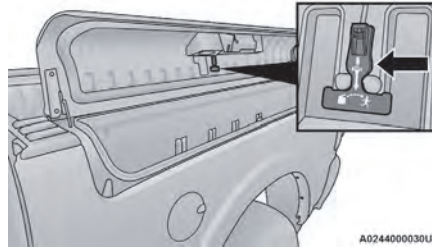
تحذير!

- أغلق دومًا أغطية علبة التخزين في حالة عدم تواجد أي شخص بداخل السيارة.
- لا تسمح للأطفال بالوصول إلى علب التخزين. عند دخول الأطفال في علب التخزين، فإنهم قد لا يستطيعون الخروج منها. وفي حالة انحباسهم في علبة التخزين؛ يمكن أن يفقد الأطفال حياتهم خنقًا أو بأزمة قلبية.
- في حالة وقوع اصطدام، قد تحدث إصابات خطيرة إذا كانت أغطية علبة التخزين غير مقفلة بالمزلاج جيدًا.
- لا تعد السيارة أثناء فتح أغطية علب التخزين.
- احتفظ بأغطية علب التخزين في حالة إغلاق وقفل أثناء حركة السيارة.
- لا تستخدم مزلاج علبة التخزين كحلقة ربط.

ذراع تحرير علبة RamBox في حالات الطوارئ

يتم تضمين ذراع تحرير في حالات الطوارئ في آلية قفل غطاء علبة التخزين كإجراء تأميني.

في حالة انحباس أحد الأشخاص داخل علبة التخزين، يمكن فتح غطاء علبة التخزين من داخل العلبة عن طريق سحب الشريط المضيء في الظلام المرتبط بآلية قفل غطاء علبة التخزين.



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ذراع التحرير في حالات الطوارئ

مُقيّم السطح - إذا كانت السيارة مزودة بذلك

يتضمن مُقيّم السطح ثلاثة مواضع وظيفية:

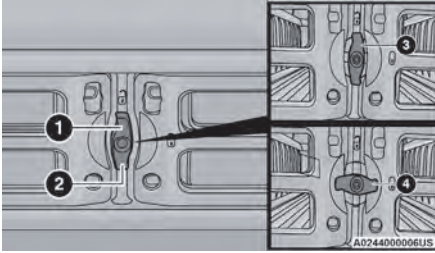
- وضع التخزين
- وضع المُقيّم

وضع المُقيّم

يُستخدم وضع المُقيّم في تنظيم الحمولة والمساعدة في منع الحمولة من الحركة على السطح. وتوجد 11 فتحة مُقيّم على طول اللوحات الداخلية للسطح والتي تسمح بالعديد من الأوضاع للمساعدة في تنظيم الحمولة.

لتركيب مُقيّم السطح في موضع المُقيّم، نَقِّذ الإجراء التالي:

1. تأكد من إلغاء قفل المقبض الأوسط باستخدام حافظة مفتاح الطوارئ الخاص بالسيارة في حافظة المفاتيح، وأدر المقبض الأوسط رأسياً لتحرير البابين الجانبيين للمُقيّم.

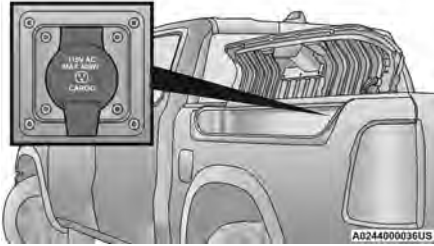


المقبض الأوسط والقفل

- 1 — قفل المقبض الأوسط
- 2 — المقبض
- 3 — وضع إلغاء القفل
- 4 — وضع القفل

2. في وضع فتح البابين الجانبيين، ضع المُقيّم بحيث يتحاذى الطرفان الخارجيان مع الفتحات المقصودة في جانبي السطح.

2

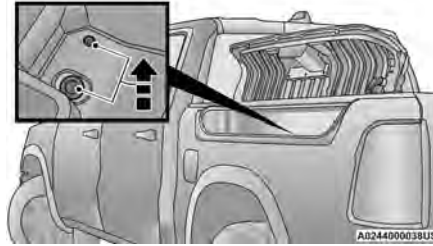


المحول عامل بالطاقة لعبية RamBox

مفتاح محول الطاقة في لوحة أجهزة القياس يوجد فقط في السيارات المزودة بعبية RamBox. يتحكم المفتاح فقط في تشغيل/إيقاف تشغيل مأخذ الطاقة في علبة RamBox؛ وهو لا يتحكم في تشغيل/إيقاف تشغيل مأخذ الطاقة الموجودة داخل كابينة السيارة.



مفتاح محول الطاقة في لوحة أجهزة قياس

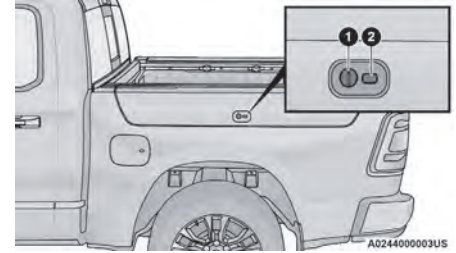


إزالة سداة فتحة التصريف بعبية RamBox

ملاحظة:

يتم توفير احتياطات في صناديق مقسمات الحمولة. وتتوفر هذه الملحقات (بالإضافة إلى ملحقات علب RamBox أخرى) من Mopar®.

إذا كانت السيارة مزودة بمحول طاقة بقدرة 115 فولت (400 واط بحد أقصى)، فإنه قد يكون موجودًا داخل علبة RamBox في سيارتك. يمكن تشغيل المحول من خلال مفتاح المحول العامل بالطاقة في لوحة أجهزة القياس الذي يوجد بيسار عجلة القيادة. يمكن لمحول الطاقة RamBox أن يغذي الهواتف الخلوية والإلكترونيات والأجهزة الأخرى منخفضة الطاقة التي تتطلب طاقة تصل إلى 400 واط. سوف تتجاوز بعض وحدات التحكم في ألعاب الفيديو حد الطاقة هذا، وكذلك معظم الأدوات العاملة بالطاقة.



زر علبة RamBox وقفل فتحة المفتاح

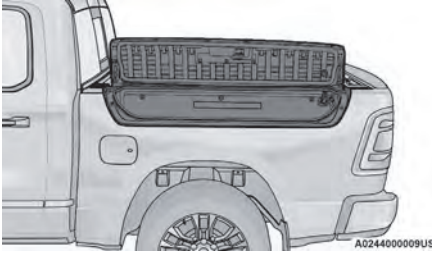
- 1 — القفل بفتحة المفتاح
- 2 — الزر

تنبيه!

يمكن أن يؤدي ترك الغطاء مفتوحًا لفترات طويلة إلى تفريغ شحنة البطارية. وإذا كانت هناك حاجة لترك الغطاء مفتوحًا لفترات طويلة، فيوصى بإطفاء أضواء العلبة يدويًا باستخدام مفتاح الإضاءة/الإطفاء.

ستضيء علبة RamBox من الداخل أوتوماتيكيًا عند فتح الغطاء. يمكن ضبط التوقيت في إعدادات Uconnect. [صفحة ٢٢٩](#).

تتميز علب الحمولة بوجود سداتي تصريف قابلة للإزالة (للسماح بتصريف المياه من العلب). لإزالة سداة، اسحب حافتها لأعلى. ولتركيب السداة، اضغط عليها لأسفل في فتحة التصريف.



علب تخزين الحمولة RamBox

تنبيه!

- الإخفاق في اتباع العناصر التالية قد يسبب أضرارًا للسيارة:
- تأكد أن كل الحمولة داخل علب التخزين محكمة جيدًا.
- لا تتجاوز وزن الحمولة المقدر بـ 68 كجم (150 رطلاً) لكل علبة.

لفتح علبة تخزين عندما تكون علبة RamBox غير مقفلة، اضغط على الزر الموجود على الغطاء وحرره. سيفتح غطاء RamBox لأعلى للسماح بدخول اليد. ارفع الغطاء لفتحه بالكامل.

ملاحظة:

لن تفتح علبة RamBox عندما يتم الضغط على الزر الضغطي إذا كانت علبة RamBox مقفلة.

تنبيه!

- تأكد من غلق أغطية علب الحمولة وقفلها بالمزلاج قبل التحرك بالسيارة.
- ينبغي الحد من وضع أحمال فوق غطاء العلبة إلى لمنع تلف الغطاء وآليات المزلاج/المفصلات.
- قد يحدث تلف لعلبة RamBox بسبب الأجسام الثقيلة/الموضوعة في العلبة والتي تتحرك داخلها بفعل حركة السيارة. وللحد من احتمالية حدوث تلفيات، ثبت الحمولة بكاملها لمنعها من الحركة واستخدم بطانة مناسبة لحماية الأسطح الداخلية للعلبة من الأشياء الثقيلة/الحادة.

علب تخزين الحمولة RAMBOX

توجد علب تخزين الحمولة على كلا جانبي صندوق البيك أب. وتوفر علب تخزين الحمولة منطقة تخزين غير منفذة للماء وقابلة للقفل ومضاعة تسع حتى 68 كجم (150 رطلاً) من حمولة موزعة بالتساوي.

نظام RAMBOX - إذا كانت

السيارة مزودة بذلك

نظام RamBox هو عبارة عن صندوق بيك أب مدمج للتخزين ونظام لإدارة الحمولة يتضمن ثلاث ميزات:

- علب تخزين الحمولة
- مُقَيِّم الحمولة
- نظام ربط الحمولة بحواجز السطح - إذا كانت السيارة مزودة بذلك

ملاحظة:

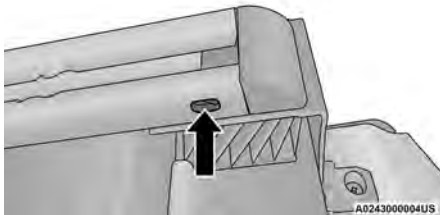
نظام تثبيت الحمولة بحواجز السطح متاح أيضًا للسيارات غير المزودة بعلبة RamBox.

قفل علبة RAMBOX وإلغاء قفلها

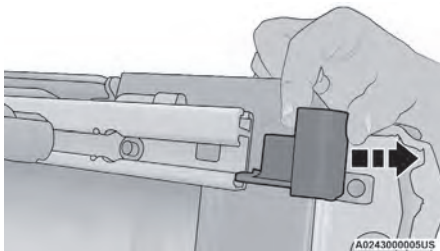
اضغط على زر القفل أو إلغاء القفل الموجود على حافظة المفاتيح وحرره لقفل جميع الأبواب وباب المؤخرة وعلبة RamBox وإلغاء قفلها. صفحة ٢٠. لفتح علبة التخزين يدويًا، أدخل مفتاح الطوارئ في فتحة المفتاح وأدره في اتجاه دوران عقارب الساعة. أعد المفتاح دومًا إلى الوضع المستقيم (الرأسي) قبل إزالة المفتاح من فتحة المفتاح.

إزالة المربط (بدون غطاء المقعد الخلفي)

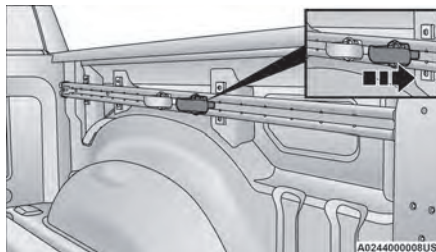
أزل الغطاء الطرفي عن طريق الضغط على زر تحريره الموجود أسفله ناحية الأعلى مع خلع الغطاء من الحاجز. ويمكن الآن إزالة المربط بخلعه من طرف الحاجز.



زر تحرير غطاء النهاية من دون غطاء المقعد الخلفي



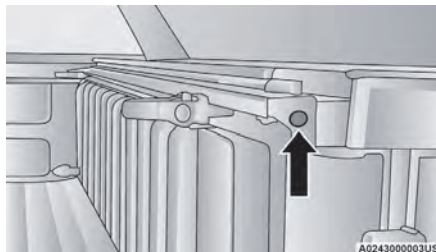
اسحب الغطاء الطرفي لخلعه من الحاجز



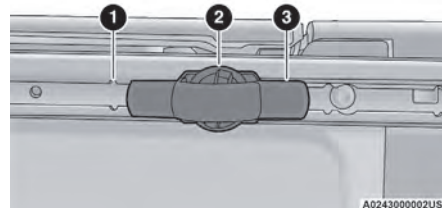
حرك المربط إلى الأمام لإزالته

إزالة المربط (مع غطاء المقعد الخلفي)

لفك المربط من الحاجز، أزل مسمار غطاء النهاية الموجود في منتصف غطاء النهاية باستخدام مفك رقم T30 سداسي الرأس Torx. أزل غطاء النهاية وحرك المربط خارج الحاجز.



مكان برغي غطاء النهاية مع غطاء المقعد الخلفي



مجموعة المربط القابل للضبط

- 1 — حابسة على الحاجز
- 2 — صامولة تثبيت المربط
- 3 — مربط على الحاجز

إزالة المربط (قضيب الصندوق القياسي)

لإزالة المربط من القضيب، حرك المربط للأمام للوصول إلى الجزء المُفَرَّغ في نهاية حاجز الصندوق، ثم أزل المربط.

ملاحظة:

إذا كنت تركب صندوق أدوات أو حامل سلم أو حاجز للنافذة الخلفية في مقدمة صندوق البيك أب، يجب عليك استخدام دعامات تعزيز صندوق Mopar® المتوفرة من وكيل معتمد.

فيما يمكنك حمل مواد البناء الضخمة مثل قطع الأخشاب الكبيرة من خلال تكوين أرضية تحميل مرتفعة خصيصاً لهذا الغرض. ضع الألواح عبر الصندوق في الفراغات الموضحة أعلى مبيت العجلات وفي حواجز التقسيم لتكوين الأرضية المناسبة.

تحذير!

- لقد تم تصميم صندوق البيك أب لأغراض تحميل الأشياء فقط وليس للركاب الذين يتوجب عليهم الجلوس على المقاعد واستخدام أحزمة الأمان.
- يجب توخي الحرص عند تشغيل سيارة ذات حمولة غير مثبتة. فقد تحتاج إلى تقليل سرعة السيارة. فالانعطافات الحادة أو الطرق الخشنة تتسبب في تغيير اتجاه الحمولة أو وثوبها مما يسبب تلفيات بالسيارة. إذا كان يجب حمل مواد البناء الضخمة بشكل متكرر، فينصح بتركيب دعامات وهو ما يقيّد من حركة الحمولة وينقل الحمل إلى أرضية صندوق البيك أب.
- إذا كنت ترغب في حمل وزن أكبر من 272 كجم (600 رطل) من المواد المعلقة فوق مبيت العجلات، يجب تركيب الدعامات لنقل الوزن الحمل إلى أرضية صندوق البيك أب وإلا تحدث تلفيات بالسيارة. إن استخدام الدعامات المناسبة يسمح بالتحميل إلى أعلى من الحمل المقدر.

(تابع)

تحذير!

- قد تتسبب الحمولة غير المثبتة في التطاير للأمام في حالات الحوادث وهو ما ينتج عنه التعرض لإصابة خطيرة أو مميتة.

توجد علامات في اللوح المعدني على حواجز الجانب الداخلي للصندوق في مقدمة وخلف كل من مبتي العجلات. ضع الألواح الخشبية عبر الصندوق من جانب إلى آخر لتكوين حجرات تحميل منفصلة في صندوق البيك أب.

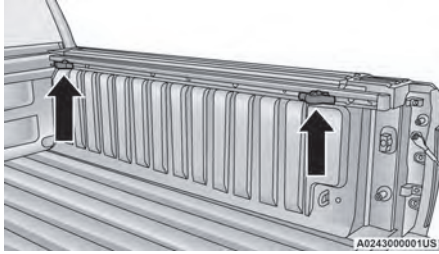
توجد أربعة مثبتات مركبة على الجوانب السفلية من صندوق البيك أب والتي يمكنها حمل إجمالي أوزان يصل إلى 450 كجم (1000 رطل).

نظام ربط الحمولة بحواجز السطح — إذا كانت السيارة مزودة بذلك

تنبيه!

ينبغي ألا يتجاوز أقصى حمل لكل مربوط 113 كجم (250 رطلاً)، أو 227 كجم (500 رطل) إجمالاً لكل قضيب، كما ينبغي ألا تتجاوز زاوية الحمل عند كل مربوط 45 درجة من المستوى الأفقي، وإلا فقد يحدث تلف للمربوط أو قضيب المربوط.

يوجد مربطان قابلان للضبط على كل جانب من السطح حيث يمكن استخدامهما للمساعدة في تثبيت الحمولة وربطها.

**مربطان قابلان للضبط**

يجب أن يكون كل مربوط مستقر ومحكم في إحدى الحابسات، على طول كل من الحاجزين، وذلك لتثبيت الحمولة بإحكام.

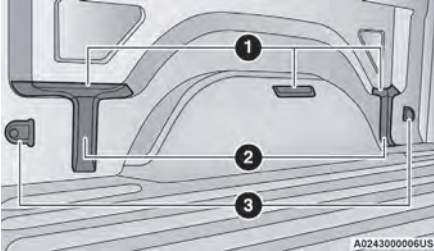
نقل المربوط إلى موضع آخر على الحاجز، أدر الصامولة عكس اتجاه حركة عقارب الساعة، ثلاث دورات تقريباً. ثم اسحب المربوط للخارج وحركه إلى أقرب حابسة للموضع المطلوب. وتأكد من استقرار المربوط في الحابسة وأحكم ربط الصامولة.

تحذير!

لا تحاول طي درج السطح بيديك. يمكن أن تؤدي مساحة الخلوص الضيقة بين درج السطح والجزء الخلفي من المصد عندما يعود درج السطح إلى وضع التخزين إلى إصابة يديك أو أصابعك.

صندوق البيك أب

يتمتع صندوق البيك أب بالعديد من المزايا المصممة للاستخدام في أغراض مختلفة ولتوفير الراحة.

**ميزات صندوق البيك أب**

- 1 — فواصل أرضية التحميل العلوية
- 2 — حواجز التقسيم
- 3 — المرابط (المثبتات)

لبسط درج السطح، ضع قدمك على الجزء العلوي الأوسط من درج السطح وادفع لأسفل مع السحب للخلف. يتحرر حمل الزنبرك بمقدار صغير من القوة، ويبسط درج السطح للخارج بعيدًا عن باب المؤخرة.

**درج السطح في وضع الانبساط****ملاحظة:**

بمجرد التغلب على حمل الزنبرك، سنبسط درج السطح للخارج بسرعة. تأكد من الوقوف في وضع يجنبك ملامسة الدرج أثناء بسطه.

لطي درج السطح مرة أخرى تحت باب المؤخرة، ادفع الدرج للأمام بقدمك حتى يتم سحبه بواسطة الزنبرك.

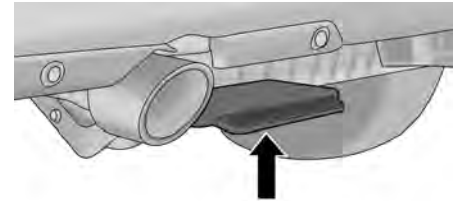
ملاحظة:

بمجرد تحرير الزنبرك، ينبسط درج السطح سريعًا، لذلك تأكد من الوقوف في موضع يجنبك ملامسة الدرج عند بسطه.

لطي درج السطح مرة أخرى تحت باب المؤخرة، ادفع الدرج للأمام بقدمك حتى يتم سحبه بواسطة الزنبرك.

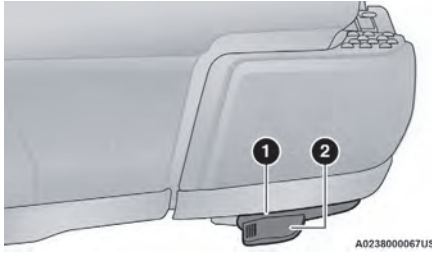
تحذير!

لا تحاول طي درج السطح بيديك. يمكن أن تؤدي مساحة الخلوص الضيقة بين درج السطح والجزء الخلفي من المصد عندما يعود درج السطح إلى وضع التخزين إلى إصابة يديك أو أصابعك.

درج السطح للباب الخلفي المتعدد الوظائف

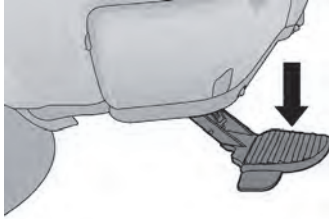
A0238000133US

موضع درج السطح



مكونات درجة السطح (باب خلفي قياسي)

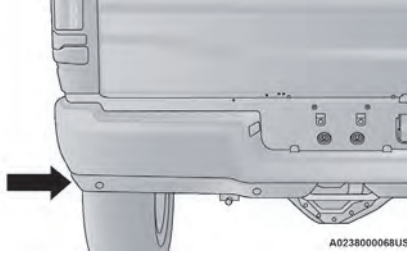
1 — دَرَج السطح
2 — لسان القدم



دَرَج السطح في وضع الانبساط

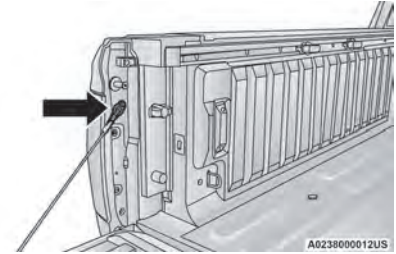
دَرَج السطح - إذا كانت السيارة مزودة بذلك قد تكون سيارتك مجهزة بِدَرَج للسطح قابل للتمديد لتسهيل الدخول إلى سطح الشاحنة والخروج منه. إذا كانت سيارتك مزودة بباب خلفي قياسي، فسوف يقع الدرج على جانب السائق من الباب الخلفي. إذا كانت السيارة مزودة بباب خلفي متعدد الوظائف، فسوف يكون الدَرَج أسفل منتصف الباب الخلفي.

دَرَج السطح للباب الخلفي القياسي



موضع دَرَج السطح

لبسط دَرَج السطح، ضع قدمك على لسان القدم البارز الموجود على الحافة اليسرى للدرج، وادفع إلى الخلف. يتحرر حمل الزنبرك بمقدار صغير من القوة، ويبسط دَرَج السطح للخارج بعيدًا عن باب المؤخرة.



سيلان القفل

11. أزل باب المؤخرة من السيارة.

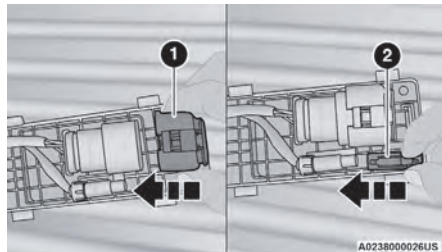
ملاحظة:

- لا تحمل باب المؤخرة دون تثبيت في صندوق بيك أب الشاحنة.
- في حالة إغلاق باب المؤخرة مع فصل مجموعة الأسلاك، فلا يمكن فتحه إلا بإزالة اللوحة الداخلية وفتح آلية القفل يدويًا.

تحذير!

لتجنب استنشاق أول أكسيد الكربون والذي يعد غازًا مميتًا، يجب أن يمتد نظام العادم في السيارات المزودة بكابينة أو وحدة معسكرات إلى أبعد من صندوق وحدة المعسكرات المعلق وألا يكون به تسرب.

8. صل قوابس باب المؤخرة (موجودة في صندوق القفازات) بمجموعة أسلاك باب المؤخرة لضمان عدم تأكل أطراف التوصيل.



قوابس باب المؤخرة (قطعتان)

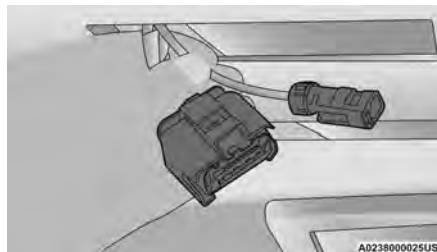
- 1 — القابس الكبير
2 — القابس الصغير

9. ثبت مجموعة أسلاك باب المؤخرة والكتيفة بشرط على السطح الأمامي لباب المؤخرة. فهذا سيحول دون إتلاف الموصل والكتيفة عند تخزين باب المؤخرة أو إعادة تركيبه.

10. ارفع قفل باب المؤخرة قليلاً وأزل كابلات الدعم بتحرير لسان القفل من المحور.

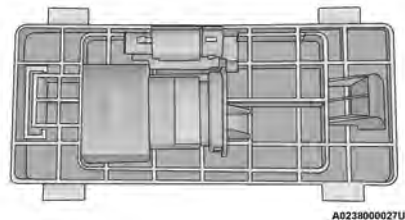
ملاحظة:

تأكد من أن تدعم أنت و/أو شخص آخر باب المؤخرة عند إزالة كابلات الدعم.

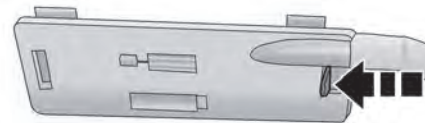


مجموعة الأسلاك المفصولة من ناحية الجسم

7. صل قابس ناحية الجسم (الموجود في صندوق القفازات) بمجموعة الأسلاك ناحية الجسم وأعد إدخال الكتيفة في العتبة.

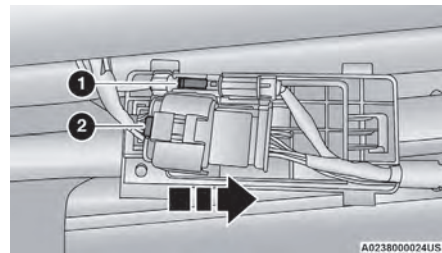


قابس ناحية الجسم (قطعة واحدة)



لسان القفل

6. افصل مجموعة الأسلاك بالضغط على لساني التحرير مع الحرص على عدم سقوط كتيفة الموصل في العتبة.



مجموعة الأسلاك المتصلة

- 1 — لسان التحرير الأول
2 — لسان التحرير الثاني

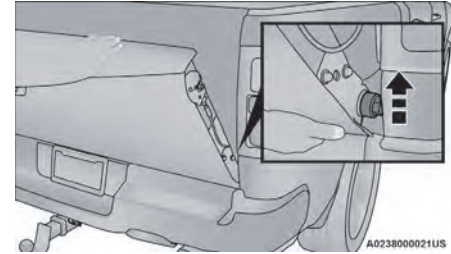
إزالة باب المؤخرة

ملاحظة:

ستؤدي إزالة باب المؤخرة إلى تعطيل وظيفة كاميرا الرؤية الخلفية.

لإزالة الباب الخلفي، ارجع إلى التعليمات التالية:

1. افتح باب المؤخرة بزاوية 45 درجة.
2. ارفع الجهة اليمنى من باب المؤخرة إلى أعلى لرفعها عن المحور.



رفع الجهة اليمنى عن المحور

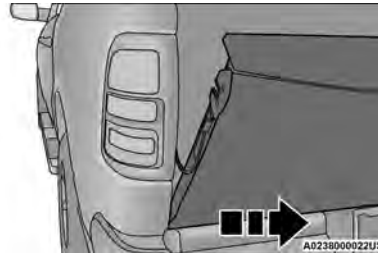
3. قم بتدوير باب المؤخرة إلى وضع قريب من الغلق دون إغلاقه. ثم ادفع باب المؤخرة ببطء، مع توفير الدعم له، إلى جهة اليمين لإزالته من المحور الأيسر.

ملاحظة:

اسند باب المؤخرة على المصد بحيث يكون باب المؤخرة بالكامل ثابتًا ومدعمًا.

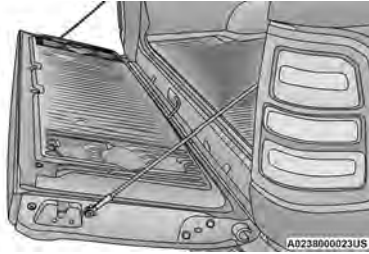
تحذير!

في السيارات المزودة بباب مؤخرة متعدد الوظائف، يزن باب المؤخرة 52 كجم (115 رطلاً) وتتبعي إزالته بواسطة شخصين على الأقل. وإذا حاول شخص واحد فقط إزالة باب المؤخرة متعدد الوظائف، فيمكن أن يتسبب ذلك في إصابته أو في الإضرار بباب المؤخرة.



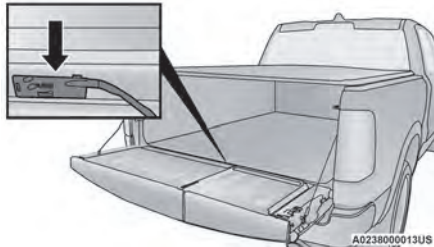
تحريك باب المؤخرة إلى اليمين

4. دع باب المؤخرة يستند إلى كابلات الدعم مع دفعه بشكل سلس إلى الأمام على المصد.



دعم باب المؤخرة بالكابلات فقط

5. أزل كتيفة الموصل من العتية بالضغط على لسان القفل للداخل.



مكان كتيفة الموصل

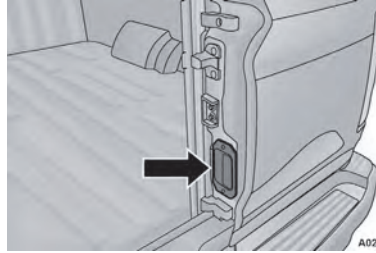
تحذير!

لتجنب الإصابة البالغة أو الوفاة:

- تأكد من عدم اعتراض أي شخص لطريق البابين المفصلين أو الباب الخلفي في أثناء فتحها أو إغلاقها، وابق بعيدًا عن المفصلات عند استخدامها. فقد تتعرض أنت أو الآخرون إلى إصابات إذا اعترضتم طريق البابين المفصلين أو الباب الخلفي أو مفصلاتها.
- تجنب تشغيل السيارة مطلقًا والبابان المفصليان مفتوحان.
- تجنب مطلقًا التعلق على البابين المفصلين أو الجلوس عليهما.

تنبيه!

- تأكد دومًا من تثبيت كلا البابين الدوارين بالمزلاج قبل تشغيل السيارة.
- قد تتعرض السيارة لأضرار في حالة عدم تثبيت الأبواب بإحكام.

**مقبض تحرير الباب المقسوم بنسبة 40**

أغلق الباب المقسوم بنسبة 40 أولاً على الدوام ثم أغلق الباب المقسوم بنسبة 60. ويجب تثبيت البابين المفصلين بإحكام قبل التمكن من خفض باب المؤخرة.

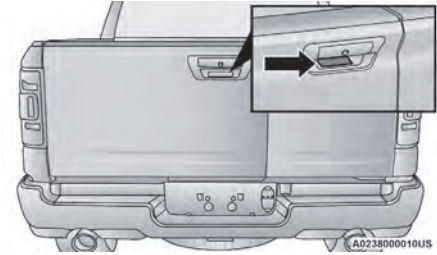
ملاحظة:

- عندما يكون البابان المفصليان مفتوحين، لا يمكن أن تتجاوز الحمولة القصوى على كل باب 82 كجم (180 رطلاً).

- اسحب البابين المفصلين للخلف بإحكام بعد إغلاقهما لضمان إحكام تثبيتهما بالمزلاج. كما هو الحال مع ضوء الباب الجانبي المفتوح جزئيًا داخل الكابينة، سيظل مصباح السطح الموجود أعلى النافذة الخلفية مضاءً إذا لم تكن أبواب الباب الخلفي مغلقة بالكامل.

الفتح

ويجب تثبيت باب المؤخرة بالمزلاج في وضع الغلق لفتح البابين. اضغط الذراع لأسفل، ثم اسحب مقبض التحرير أسفل مقبض خفض باب المؤخرة. يفتح هذا الباب المقسوم بنسبة 60.

**مقبض تحرير الباب المقسوم بنسبة 60**

بعد فتح الباب المفصلي المقسوم بنسبة 60، اسحب مقبض التحرير الموجود على الجانب الداخلي من الباب المقسوم بنسبة 40 لفتح.

تحذير!

تأكد من إحكام غلق غطاء المحرك قبل قيادة السيارة. إن عدم غلق غطاء المحرك بإحكام يمكن أن يؤدي إلى فتحه بصورة مفاجئة أثناء سير السيارة وبالتالي حجب الرؤية. يترتب على عدم اتباع هذا التحذير حدوث إصابة بالغة أو الوفاة.

تنبيه!

تجنب غلق الغطاء بقوة لتفادي أي تلف ممكن. اضغط بقوة على منتصف الغطاء لضمان تعشيق كلا المزلاجين معًا.

باب المؤخرة**الفتح**

يمكن فتح باب المؤخرة عن طريق دفع لوحة تحرير باب المؤخرة الموجودة على باب المؤخرة.

سيقوم قائم مخدم باب المؤخرة بخفض باب المؤخرة إلى وضع الفتح (إذا كانت السيارة مزودة بذلك).

تحذير!

يُعد الركوب على الباب الخلفي خطرًا للغاية حتى عند سير السيارة بسرعات منخفضة. وقد يسقط أي شخص يركب على الباب الخلفي بسهولة نتيجة لإجراء المناورات بالسيارة أو التضاريس الصعبة. يجب أن يجلس الركاب دائمًا في مقاعد السيارة ويستخدمون حزام الأمان الخاص بهم. يترتب على عدم اتباع هذا التحذير حدوث إصابة بالغة أو الوفاة.

التحرير الإلكتروني لباب المؤخرة — إذا كانت السيارة مزودة بذلك

قد تكون حافظة المفاتيح مزودة بميزة التحرير الإلكتروني لباب المؤخرة، ما يسمح بفتح باب المؤخرة من دون استخدام البدين. للتنشيط،



اضغط على زر تحرير باب المؤخرة وحرره من حافظة المفاتيح مرتين خلال خمس ثوان. سيتم فتح مزلاج باب المؤخرة وينخفض ببطء إلى وضع الفتح.

يمكن استخدام زر موجود في الكونسول العلوي الأوسط داخل السيارة لتحرير باب المؤخرة، إذا كانت السيارة مزودة بذلك. كما يمكن أن يشير ضوء المؤشر إلى فتح باب المؤخرة.

ولينخفض باب المؤخرة، يجب أن تكون السيارة ثابتة وفي وضع PARK (التوقف) أو NEUTRAL (اللاتعشيق).

ملاحظة:

قد يمنع غطاء Tonneau ثلاثي الطي ☞ صفحة ٩٢ الاختياري التحرير الإلكتروني لباب المؤخرة. يجب إزالة الغطاء الخلفي أو طيه لأعلى قبل تحرير باب المؤخرة.

تحذير!

لتجنب الإصابات، تأكد من عدم اعتراض أي شخص لطريق الباب الخلفي العامل بالطاقة في أثناء فتحه أو إغلاقه، وأبق يديك بعيدًا عن مفصلات الباب الخلفي عند استخدامه. فقد تتعرض أنت أو الآخرون للإصابة إذا اعترضتم طريق الباب الخلفي العامل بالطاقة أو مفصلات.

الإغلاق

لإغلاق باب المؤخرة، اضغط عليه لأعلى حتى يتم تثبيت كلا الجانبين بإحكام. بعد إغلاق باب المؤخرة، اسحبه مرة أخرى للتأكد من أنه مقفل بإحكام.

ملاحظة:

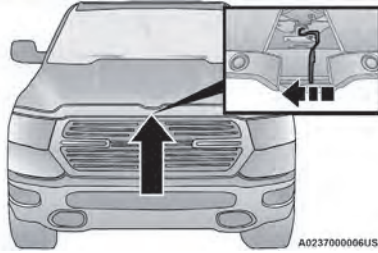
عندما يكون باب صندوق الأمتعة مفتوحًا والسيارة في وضع التشغيل/الحركة، ستظهر رسالة في شاشة مجموعة أجهزة القياس.

قفل باب المؤخرة

يمكن قفل باب المؤخرة باستخدام زر قفل حافظة المفاتيح.

باب المؤخرة متعدد الوظائف - إذا كانت السيارة مزودة بذلك

يتكون باب المؤخرة متعدد الوظائف والمقسوم بنسبة 60/40 من بابين مفصلين للسماح بالوصول إلى صندوق البيك أب بشكل أقرب والأبواب مفتوحة.



موقع مزلاج السلامة

ملاحظة:

- يجب أن تكون السيارة متوقفة ويجب أن يكون محدد التروس في وضع PARK (التوقف).
- أثناء رفع غطاء المحرك، استخدم كلتا يديك.
- قبل رفع غطاء المحرك، تحقق من عدم تحرك ذراعي الماسحة ومن عدم رفعهما.
- قد يلزم الضغط لأسفل على غطاء المحرك قبل دفع مزلاج الأمان. استخدم كلتا اليدين أثناء رفع غطاء المحرك.

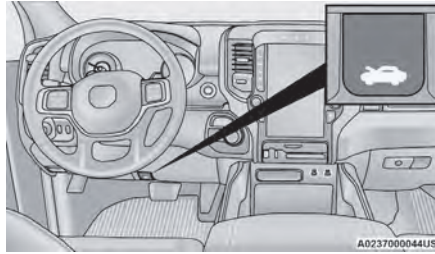
لإغلاق غطاء المحرك

في حركة واحدة مستمرة، اسحب الحافة الأمامية لغطاء المحرك لأسفل بقوة معتدلة إلى أن تصبح الزاوية أسفل نقطة العبور (إلى حيث لا تبدي دعائم الغاز أي مقاومة) واترك غطاء المحرك يستمر في السقوط من قصوره الذاتي.

غطاء المحرك**لفتح غطاء المحرك**

لفتح غطاء المحرك يجب تحرير سقاطتين.

1. اسحب ذراع تحرير غطاء المحرك الموجود أسفل عجلة القيادة عند قاعدة لوحة أجهزة القياس.

**موقع ذراع تحرير غطاء المحرك**

2. مد يدك في الفتحة الموجودة أسفل منتصف غطاء المحرك وادفع ذراع مزلاج الأمان إلى اليسار لتحريره، قبل رفع غطاء المحرك.

ملاحظة:

إذا أدت ثلاث محاولات متتالية لإغلاق فتحة السقف إلى حدوث انعكاسات الحماية ضد الانضغاط، فسوف يتم تعطيل الحماية ضد الانضغاط ويجب إغلاق السقف المتحرك في الوضع اليدوي.

تهوية السقف المتحرك

اضغط على الزر Vent (تهوية) ثم حرره خلال ثانية ونصف، حيث سيفتح السقف المتحرك في وضع التهوية. يسمى ذلك "التهوية السريعة" ويحدث بغض النظر عن وضع السقف المتحرك. أثناء التهوية السريعة تؤدي أي حركة للمفتاح إلى إيقاف السقف المتحرك.

ملاحظة:

إذا لم تكن الستارة الشمسية مفتوحة بالفعل، فستفتح بصورة أوتوماتيكية قبل فتح السقف إلى وضع التهوية.

التشغيل أثناء وجود المفتاح في وضع الإيقاف

سيظل مفتاح السقف المتحرك العامل بالطاقة نشطاً لمدة 10 دقائق تقريباً بعد إدارة مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل). يؤدي فتح أي من الأبواب الأمامية إلى إلغاء هذه الميزة.

ملاحظة:

يمكن برمجة توقيت إيقاف تشغيل مفتاح الإشعال من خلال نظام Uconnect ➡ صفحة ٢٢٩.

صيانة السقف المتحرك

استخدم منظفات غير كاشطة وقطعة قماش ناعمة لتنظيف اللوحة الزجاجية. افحص بصورة دورية بحثاً عن أي رواسب قد تكون قد تجمعت في المسارات وقم بإزالتها.

الفتح/الإغلاق اليدوي

لفتح السقف المتحرك، اضغط مطولاً على المفتاح للخلف إلى وضع الفتح الكامل.

لإغلاق السقف المتحرك، اضغط مطولاً على المفتاح باتجاه الوضع الأمامي.

سيؤدي أي تحرير للمفتاح أثناء عملية الفتح أو الإغلاق إلى إيقاف حركة فتحة السقف. سيظل السقف المتحرك في وضع الفتح الجزئي حتى يتم الضغط مع الاستمرار على المفتاح مرة أخرى.

ملاحظة:

إذا كانت الستارة الشمسية في وضع الإغلاق عند بدء تشغيل الفتح السريع أو الفتح اليدوي، فسوف تُفتح الستارة الشمسية أوتوماتيكياً إلى وضع الفتح الجزئي قبل فتح السقف المتحرك.

فتح الستارة الشمسية العاملة بالطاقة وإغلاقها

تشتمل الستارة الشمسية على وضعي فتح مبرمجين: وضع الفتح إلى المنتصف ووضع الفتح الكامل. عند تشغيل الستارة الشمسية من وضع الغلق، ستتوقف الستارة الشمسية دائماً في وضع الفتح إلى المنتصف بغض النظر عن تشغيل الفتح السريع أو اليدوي. يجب تشغيل المفتاح مرة أخرى لمتابعة التشغيل إلى وضع الفتح الكامل.

إذا كان السقف المتحرك مفتوحاً أو مفتوحاً جزئياً للتهوية، فإنه لا يمكن إغلاق الستارة الشمسية لأكثر من نصف وضع الفتح. يؤدي الضغط على مفتاح إغلاق الستارة الشمسية عندما يكون السقف المتحرك مفتوحاً/مفتوحاً جزئياً للتهوية والستارة الشمسية في نصف وضع الفتح إلى إغلاق فتحة السقف أوتوماتيكياً قبل إغلاق الستارة الشمسية.

الفتح/الإغلاق السريع

ادفع مفتاح الستارة الشمسية للخلف وحرره خلال ثانية ونصف، وسيتم فتح الستارة الشمسية إلى وضع الفتح إلى المنتصف وتتوقف أوتوماتيكياً. اضغط على المفتاح وحرره مرة أخرى من وضع الفتح إلى المنتصف وسيتم فتح الستارة الشمسية إلى وضع الفتح الكامل وتتوقف أوتوماتيكياً.

اضغط على مفتاح الستارة الشمسية نحو الأمام وحرره خلال مدة قدرها ثانية ونصف وسيتم إغلاق الستارة الشمسية بصورة أوتوماتيكية.

أثناء عملية "الفتح السريع" أو "الغلق السريع"، سيؤدي أي تشغيل آخر لمفاتيح السقف المتحرك إلى إيقاف الستارة الشمسية في وضع الفتح الجزئي.

الفتح/الإغلاق اليدوي

اضغط مع الاستمرار على مفتاح الستارة الشمسية إلى الخلف، وسيتم فتح الستارة الشمسية إلى وضع الفتح إلى المنتصف وتتوقف أوتوماتيكياً. اضغط مع الاستمرار على مفتاح الستارة الشمسية مرة أخرى وسيتم فتح الستارة الشمسية إلى وضع الفتح الكامل.

اضغط مع الاستمرار على المفتاح إلى الأمام وسيتم إغلاق الستارة الشمسية وتتوقف عند وضع الإغلاق الكامل.

سيؤدي تحرير المفتاح أثناء حركة الستارة الشمسية إلى إيقاف الستارة الشمسية في وضع الفتح الجزئي.

ميزة الحماية ضد الانضغاط

تكتشف هذه الميزة وجود عائق أمام السقف المتحرك أثناء إجراء الإغلاق السريع. إذا تم اكتشاف عائق في مسار السقف المتحرك، يراجع السقف المتحرك إلى مكانه أوتوماتيكياً. أزل العائق في حالة حدوث ذلك.

تحذير!

- فعند وقوع حادث، يوجد احتمال كبير أن يقذف بالركاب من خلال فتحة السقف المتحرك المفتوحة. وقد تتعرض أيضاً لإصابات خطيرة أو الموت. ينبغي أيضاً إحكام ربط حزام الأمان بطريقة صحيحة والتأكد من تأمين جلوس جميع الركاب في مقاعدهم أيضاً.
- لا تسمح للأطفال الصغار بتشغيل السقف المتحرك. لا تسمح بخروج أصابع اليدين أو أي جزء آخر من الجسم، أو أي شيء من خلال فتحة السقف المتحرك. فقد ينتج عن ذلك حدوث إصابات.

فتح فتحة السقف وإغلاقها

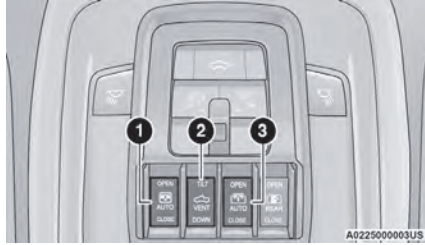
يتضمن السقف المتحرك اثنتين من عمليات الإيقاف الأوتوماتيكية المبرمجة لوضع فتح السقف المتحرك؛ وهما وضع الإيقاف المريح ووضع الفتح الكامل. تم تحسين وضع الإيقاف المريح لتقليل اهتزاز السيارة بسبب هبوب الرياح.

الفتح/الإغلاق السريع

اضغط على المفتاح للخلف وحرره خلال مدة قدرها ثانية ونصف وسيتم إغلاق السقف المتحرك أوتوماتيكياً ومهما كان وضعه. يتم فتح السقف المتحرك بالكامل ثم يتوقف أوتوماتيكياً.

اضغط على الزر للأمام وحرره خلال مدة قدرها نصف ثانية وسيتم إغلاق السقف المتحرك بشكل أوتوماتيكي مهما كان وضعه. سوف يغلق السقف المتحرك بالكامل ثم تتوقف أوتوماتيكياً.

أثناء الفتح السريع أو الإغلاق السريع، سيؤدي أي تحريك لمفتاح الستارة الشمسية إلى إيقاف الستارة الشمسية.



مفاتيح السقف المتحرك العامل بالبطاقة

- 1 — فتح/إغلاق السقف المتحرك
- 2 — تهوية السقف المتحرك
- 3 — فتح/إغلاق الستارة الشمسية

تحذير!

- لا تترك الأطفال من دون مراقبة في السيارة أو تسمح لهم بالاقتراب من سيارة غير مغلقة. لا تترك مطلقاً حافلة المفاتيح في السيارة أو بالقرب منها أو في مكان يتمكن الأطفال من الوصول إليه. لا تترك مفاتيح التشغيل المزودة بميزة الحركة والتشغيل من دون مفتاح ACC Keyless Enter 'n Go™ في وضع ON/RUN (الملفات) (التشغيل/الانطلاق). يمكن أن يحبس الركاب، وخاصة الأطفال المتروكون بمفردهم، داخل السيارة بواسطة السقف المتحرك العامل بالبطاقة، وذلك أثناء تشغيل مفتاح فتح السقف المتحرك العامل بالبطاقة. وقد يسفر ذلك عن إصابات خطيرة أو الوفاة.

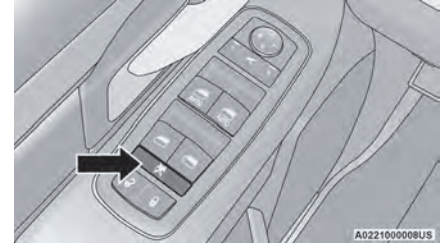
(تابع)

صوت اهتزاز السيارة بفعل الرياح

يمكن وصف صوت اهتزاز السيارة بسبب هبوب الرياح كالضغط المسلط على الأذن أو كصوت طائرات الهليكوبتر. قد تتعرض سيارتك لصوت الاهتزاز بفعل الرياح أثناء خفض زجاج النوافذ، أو فتح السقف المتحرك (إذا كانت السيارة مزودة بذلك) فتحة كلياً أو جزئياً. ويعتبر ذلك أمراً طبيعياً ومن الممكن تقليل تأثيره. إذا حصل مثل هذا الاهتزاز عند فتح النافذتين الخلفيتين، فافتح النوافذ الأمامية والخلفية في الوقت نفسه لتقليل تأثير الرياح. في حالة تعرض السيارة لصوت الاهتزاز بفعل الرياح أثناء فتح السقف المتحرك، فاضبط السقف المتحرك لتقليل قوة هبوب الرياح أو افتح زجاج أي نافذة.

السقف المتحرك العامل بالبطاقة — إذا كانت السيارة مزودة بذلك

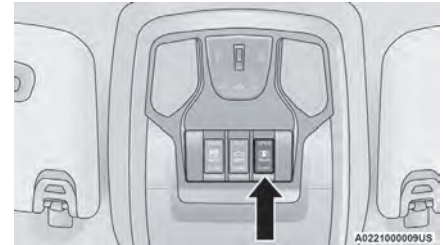
السقف المتحرك العامل بالبطاقة الثنائي الألواح توجد مفاتيح السقف المتحرك العامل بالبطاقة في الكونسول العلوي بين مصابيح الزينة/القراءة.



مفتاح قفل النوافذ

النافذة الخلفية المنزلقة الكهربائية — إذا كانت السيارة مزودة بذلك

يوجد مفتاح النافذة الخلفية المنزلقة الكهربائية في الكونسول العلوي. اضغط على المفتاح في اتجاه الخلف لفتح الزجاج. اسحب المفتاح إلى الأمام لإغلاق الزجاج.



مفتاح النافذة الخلفية

يمكن تشغيل نافذة باب الراكب أيضًا باستخدام المفاتيح الفردية للتحكم في النافذة والموجودة في لوحة كسوة باب الراكب. لن تعمل مفاتيح التحكم في النوافذ إلا إذا كان مفتاح التشغيل في وضع ACC (الملحقات) أو ON/RUN (التشغيل/الانطلاق).
لفتح النافذة جزئيًا (يدويًا)، اضغط على مفتاح النافذة لأسفل لفترة قصيرة وحرره.

ملاحظة:

ستظل مفاتيح النوافذ العاملة بالطاقة نشطة لما يصل إلى 10 دقائق بعد إدارة مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل). يؤدي فتح أي من الأبواب الأمامية إلى إلغاء هذه الميزة. يمكن برمجة الوقت من خلال إعدادات Uconnect ➔ صفحة ٢٢٩.

تحذير!

لا تترك الأطفال مطلقًا بمفردهم في السيارة من دون رقابة. لا تترك حافظة المفاتيح في السيارة أو بالقرب منها أو في مكان يتمكن الأطفال من الوصول إليه، ولا تترك مفتاح التشغيل المزود بميزة الحركة والتشغيل من دون مفتاح Keyless Enter 'n Go™ في وضع ACC (الملحقات) أو ON/RUN (التشغيل/الانطلاق). فقد تتغلق النوافذ على يد الركاب وخاصة الأطفال عند استعمال مفاتيح النوافذ العاملة بالطاقة. وقد يسفر ذلك عن إصابات خطيرة أو الوفاة.

مميزات النافذة الأوتوماتيكية

ميزة الإنزال الأوتوماتيكي

تأتي مفاتيح النوافذ العاملة بالطاقة في بابي السائق والراكب الأماميين مزودة بميزة "الإنزال الأوتوماتيكي". اضغط على مفتاح النافذة لأسفل، لفترة قصيرة من الوقت ثم حرره وستفتح النافذة أوتوماتيكيًا.

لمنع النافذة من النزول الكامل لأسفل أثناء تشغيل ميزة الإنزال الأوتوماتيكي، قم بسحب المفتاح لأعلى أو الضغط عليه لأسفل لفترة وجيزة.

ميزة الرفع الأوتوماتيكي لأعلى مع الحماية ضد الانضغاط
ارفع مفتاح نافذة لأعلى، لفترة قصيرة من الوقت ثم حرره؛ وستفتح النافذة أوتوماتيكيًا.

لمنع النافذة من الارتفاع الكامل لأعلى أثناء تشغيل ميزة الرفع الأوتوماتيكي، اسحب المفتاح لأسفل لفترة وجيزة.

لإغلاق النافذة جزئيًا، ارفع مفتاح النافذة لفترة وجيزة وحرره عندما ترغب في إيقاف النافذة.

إذا ما واجهت النافذة أي عائق من العوائق أثناء عملية الرفع الأوتوماتيكي، فستعكس اتجاه حركتها وتعود للأسفل. قم بإزالة العوائق واستخدم مفتاح النافذة مرة أخرى لغلق النافذة.

ملاحظة:

قد يؤدي أي تصادم ناجم عن ظروف القيادة على طرق وعرة إلى تشغيل وظيفة الرجوع العكسي الأوتوماتيكي على نحو فجائي أثناء عملية الإغلاق الأوتوماتيكي. إذا حدث ذلك، فاسحب المفتاح قليلاً مع الاستمرار لإغلاق النافذة يدويًا.

تحذير!

عندما توشك النافذة على الغلق، فإن ميزة الحماية ضد الضغط لا تتوافر. لتجنب حدوث إصابة شخصية، تأكد من إبعاد ذراعيك ويديك وأصابعك وجميع الأشياء عن مسار النافذة قبل إغلاقها.

إعادة ضبط ميزة الرفع الأوتوماتيكي

إذا توقفت ميزة الرفع الأوتوماتيكي، فقد تكون النافذة في حاجة إلى إعادة الضبط. لإعادة ضبط ميزة الرفع الأوتوماتيكي:

1. اسحب مفتاح النافذة لأعلى لإغلاق النافذة بالكامل واستمر في الضغط على المفتاح لأعلى لثانيتين إضافيتين بعد إغلاق النافذة.

2. اضغط على مفتاح النافذة لأسفل بقوة لفتح النافذة بالكامل، واستمر في الضغط على المفتاح لأسفل لثانيتين إضافيتين بعد الفتح الكامل للنافذة.

مفتاح قفل النوافذ

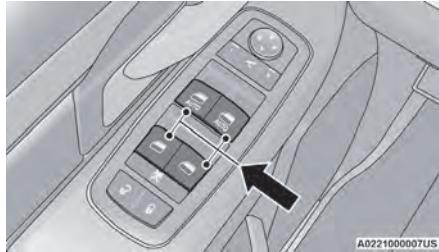
يتيح مفتاح قفل النوافذ على لوحة كسوة باب السائق تعطيل عمل مفاتيح تحكم النوافذ الموجودة على أبواب الركاب الخلفيين. لتعطيل مفاتيح التحكم في النوافذ، اضغط على زر قفل النوافذ وحرره (سوف يضيء ضوء المؤشر الموجود على الزر). لتمكين مفاتيح التحكم في النوافذ، اضغط على زر قفل النوافذ مرة أخرى وحرره (سوف ينطفئ ضوء المؤشر الموجود على الزر).

تنبيه!

شغل ضوء الأشعة فوق البنفسجية UV-C في درجات حرارة تتراوح ما بين -40 درجة مئوية و +80 درجة مئوية (-40 درجة فهرنهايت و 176 درجة فهرنهايت). قد يحدث عطل أو تلف في المعدات إذا تم تشغيلها خارج نطاق درجات الحرارة هذه.

النوافذ**النوافذ الكهربائية**

تتحكم مفاتيح التحكم في النافذة الموجودة على باب السائق في جميع نوافذ الأبواب الأخرى.



مفاتيح النوافذ الكهربائية

تحذير!

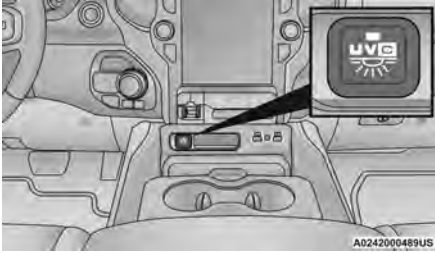
- تم تزويد ضوء الأشعة فوق البنفسجية UV-C بمصابيح الأشعة فوق البنفسجية. تُعد الأشعة فوق البنفسجية ضارة بالعينين والبشرة. لذا لا تنظر مباشرة إلى ضوء الأشعة فوق البنفسجية UV-C عند تنشيطه.
- ولا تعتب بضوء الأشعة فوق البنفسجية UV-C أو تُعِله بأي شكل من الأشكال. قد يؤدي الاستخدام أو التلف غير المقصود للضوء إلى التعرض لإشعاع الأشعة فوق البنفسجية الخطير. يمكن أن تتسبب الأشعة فوق البنفسجية في إلحاق الضرر بالعينين والبشرة حتى لو كانت بجرعات صغيرة.
- لا تستخدم الجهاز في حال تلفه أو عدم عمله بشكل صحيح أو وجود مصابيح مكسورة به.
- تم تصميم ضوء الأشعة فوق البنفسجية UV-C للاستخدام فقط داخل صندوق القفازات المغلق. فلا تقم بتشغيله بأي طريقة تُعرض البشر أو النباتات أو الحيوانات لضوء الأشعة فوق البنفسجية UV-C.
- حافظ على وجود الجهاز بعيداً عن متناول الأطفال. ولا تسمح باستخدامه كليّة.
- لا تحاول تجاوز ضوء الأشعة فوق البنفسجية UV-C في أثناء التشغيل، بحيث تعرض نفسك للضوء.
- تأكد من إغلاق باب صندوق القفازات بالكامل قبل بدء تشغيل ضوء الأشعة فوق البنفسجية UV-C.
- يصبح مصباح ضوء الأشعة فوق البنفسجية UV-C ساخناً في أثناء الاستخدام وبعده. لذا لا تلمسه.

إذا تمت مقاطعة عملية التعقيم أو إيقافها، فسيومض ضوء مؤشر LED لمدة خمس ثوان، وسيكون ضوء الأشعة فوق البنفسجية UV-C جاهزاً للدورة الجديدة عند توقف الوميض.

يجب تعديل وضعية أي أجسام في صندوق القفازات لتعقيمها بعدد المرات اللازم لضمان وصول ضوء الأشعة فوق البنفسجية UV-C إلى كل أسطح الجسم.

ملاحظة:

- لا يعمل ضوء الأشعة فوق البنفسجية UV-C إلا في أثناء وجود مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق).
- إن ضوء الأشعة فوق البنفسجية UV-C غير مخصص للاستخدام الطبي. لا يضمن استخدام ضوء الأشعة فوق البنفسجية UV-C تجنب إصابة المستخدم بالمرض.
- يجب تعريض الأسطح للأشعة فوق البنفسجية مباشرة لكي يتم تعقيمها. لن تخترق الأشعة المواد مثل القماش أو الورق أو الزجاج العادي. لذلك، من المهم إزالة العناصر التي قد تحجب الأشعة عن الأسطح الأخرى أو تمنع وصولها إليها من خط الرؤية المباشر.
- قد يتسبب تعرض العناصر لضوء الأشعة فوق البنفسجية UV-C بشكل متكرر في تلاشي لمعان الأسطح الملونة للعنصر مبكراً.
- للحصول على أفضل فعالية، يجب أن تكون أعضاء الأشعة فوق البنفسجية UV-C خالية من بصمات الأصابع والرطوبة والغبار. لذا قم بالتنظيف باستخدام قطعة قماش خالية من النسالة.



مفتاح ضوء الأشعة فوق البنفسجية UV-C

تعليمات التشغيل

1. ضع العنصر المراد تعقيمه داخل صندوق القفازات، وأغلق الباب بالكامل.
 2. اضغط على مفتاح ضوء الأشعة فوق البنفسجية UV-C الموجود على لوحة أجهزة القياس لبدء التشغيل. سيضيء ضوء مؤشر LED الموجود على المفتاح (باللون الأزرق) في أثناء عملية التعقيم بضوء الأشعة فوق البنفسجية UV-C.
- سيظل ضوء مؤشر LED مضاءً وثابتًا حتى اكتمال عملية التعقيم. سينطفئ ضوء المؤشر ويتم سماع إشارة صوتية عند اكتمال العملية بنجاح.

ملاحظة:

وتستغرق دورة التعقيم الكاملة ثلاث دقائق تقريبًا.

تنبيه!

يجب عدم وضع حافظة المفاتيح على لوحة الشحن أو على مسافة 15 سم (6 بوصات) منها. فقد يتسبب ذلك في ارتفاع الحرارة بشكل مفرط وتلف حافظة المفاتيح. كما أن وضع حافظة المفاتيح بالقرب من لوحة الشحن يعطل اكتشاف السيارة لحافظة المفاتيح، ما يمنع بدء تشغيل السيارة.

ضوء الأشعة فوق البنفسجية UV-C — إذا كانت السيارة مزودة بذلك

قد تكون سيارتك مزودة بضوء الأشعة فوق البنفسجية UV-C الموجود داخل صندوق القفازات والذي يُستخدم في تعقيم أسطح الأشياء الموضوعة بالداخل. يقوم ضوء الأشعة فوق البنفسجية UV-C بالتعقيم باستخدام مصدر ضوء UV-C متخصص جدًا وفائق الفعالية.

ملاحظة:

ولا تُستخدم أي مواد كيميائية في عملية التعقيم. يوجد مفتاح ضوء الأشعة فوق البنفسجية UV-C على لوحة أجهزة القياس، تحت الراديو.

- يجب وضع الهاتف دائمًا على لوحة الشحن اللاسلكي داخل المخطط الموضح على اللوحة حتى تتصل أجزاء الشحن الخاصة بها بملفات الشحن الخاصة بالنظام. قد يؤدي تحرك الهاتف في أثناء الشحن إلى إيقاف معدل الشحن أو إيقافه.
- يؤدي فتح عدة تطبيقات على الهاتف في أثناء الشحن إلى تقليل فعالية الشحن، وقد يؤدي كذلك إلى إيقاف تشغيل تطبيق يعمل بشكل نشط (أي Apple CarPlay®).
- قد يتسبب ذلك أيضًا في زيادة سخونة الهاتف.
- قد تتبع الشواحن اللاسلكية أساليب معينة لمنع زيادة سخونة الهاتف في أثناء الشحن، مثل إبطاء معدل الشحن. في بعض الحالات، قد يتوقف الجهاز عن التشغيل لمدة زمنية قصيرة (عندما يصل الجهاز إلى درجة حرارة معينة). إذا حدث ذلك، فهذا لا يعني وجود عطل في لوحة الشحن اللاسلكي. فقد يكون ذلك مجرد إجراء وقائي لمنع تلف الهاتف.
- قد يؤدي استخدام وظائف لاسلكية متعددة في نفس الوقت (الشحن اللاسلكي، Apple CarPlay®، Android Auto™) إلى ارتفاع حرارة الجهاز، مما يؤدي إلى الحد من الوظائف أو إيقاف تشغيله. في هذه الحالة، توصي بتوصيل النظام باستخدام منفذ USB.
- لا تضع حافظة المفاتيح أو أي نوع آخر من الأشياء المعدنية/الممغنطة داخل مبيت الهاتف المحمول أو بالقرب من لوحة الشحن اللاسلكي.
- عند وضع جهاز متوافق على لوحة الشحن وتدوير مفتاح الإشعال إلى OFF، قد تظهر رسالة تذكير على شاشة لوحة أجهزة القياس لإبلاغ السائق.

- ضوء أخضر: أكمل الجهاز شحن البطارية (إذا كان الجهاز مزوداً لإرسال هذه المعلومة).
- ملحوظات مهمة عن لوحة الشحن اللاسلكي لهذه السيارة:
- قد يشير وجود وظيفة الاتصال قريب المدى (NFC) النشطة على الهاتف الذكي إلى وجود أوجه خلل بالتشغيل.
- يجب أن يكون مفتاح الإشعال في وضع ON/RUN حتى يتم شحن الهاتف.
- من أجل تجنب التداخل مع بحث المفتاح الإلكتروني، ستتوقف لوحة الشحن اللاسلكي عن الشحن عند فتح أي باب أو باب المؤخرة، حتى إذا كان المحرك قيد التشغيل.
- تأكد من وضع الجهاز المحمول بطريقة صحيحة (الشاشة موجهة نحو الأعلى، والهاتف لا يغطي مصباح الليد) على لوحة الشحن اللاسلكي.
- إذا تحرك الهاتف على اللوحة بالشكل الذي يتسبب في إضاءة الضوء الأحمر، فسيبتعين رفع الهاتف ووضعه على لوحة الشحن مرة أخرى لاستئناف الشحن.
- لا يكون الشحن اللاسلكي بالسرعة نفسها التي يتم بها الشحن عن طريق توصيل الهاتف بشاحن سلكي.
- يجب إزالة الغطاء الواقي للهاتف عند وضعه على لوحة الشحن اللاسلكي.
- إن جهاز iPhone® 12 (بما في ذلك iPod®) مزود ببرنامج لحماية الجهاز من السخونة الزائدة. عندما يكون البرنامج نشطاً، يتم إبطاء معدل الشحن لحماية الجهاز.

يجب أن يكون هاتفك المحمول مصمماً للشحن اللاسلكي Qi®. إذا لم يكن الهاتف مزوداً بوظيفة الشحن اللاسلكي Qi®, يمكن شراء لوحة خلفية خاصة أو حافظة من السوق من مزود هاتفك المحمول أو من مورِّع إلكترونيات محلي. نرجى مراجعة دليل مالك الهاتف للحصول على مزيد من المعلومات.

لوحة الشحن اللاسلكي مزودة بسجادة منع الانزلاق، وحامل لتنشيط هاتفك المحمول في مكانه، وضوء مؤشر LED.

ضع الجهاز في المنطقة المجهزة له والمحددة بالسجادة على النحو المبين في الصورة. سيؤدي الوضع غير الصحيح إلى منع شحن الهاتف.

ملاحظة:

إذا كانت سيارتك مجهزة بلوحة شحن لاسلكية، فستلاحظ وجود إشارة واضحة على الوسادة المطاطية تحمل النص "Wireless Charger" "شاحن لاسلكي" ورسومات الهاتف وأيقونة الشحن المرافقتين لهذا النص. الشاحن متاح للجانب الأيسر فقط.

بدلاً من ذلك، إذا كان لديك حامل هاتف في سيارتك، فإنه سيحتوي على سطح مطاطي مزود بقبضة خشنة لتحقيق الوضع الآمن وفتحة مخصصة لكابيل الشحن الخاص بك.

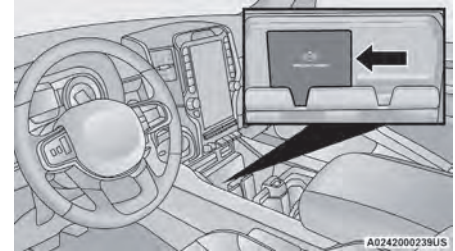
حالة مؤشر LED:

- بدون أي ضوء: لوحة الشحن في وضع السكون أو في وضع البحث عن جهاز. قد لا يكون الجهاز متوافقاً مع معيار Qi®.
- ضوء أزرق: تم اكتشاف جهاز ويتم شحنه.
- ضوء أبيض/باليون الأحمر: حدث خطأ داخلي أو تم اكتشاف جسم غريب.

تحذير!

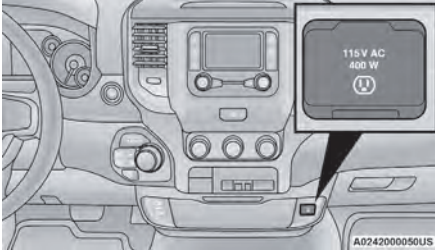
- لتجنب الإصابة الخطيرة أو الوفاة:
- لا تقم بإدخال أي أشياء في المقابس.
- لا تلمس المقابس بيدين مبتلتي.
- أغلق الغطاء في حالة عدم استخدامها.
- في حالة التعامل مع هذا المآخذ بشكل خاطئ، قد يتسبب ذلك في حدوث صدمة كهربائية وخلل كهربائي.

لوحة الشحن اللاسلكية - إذا كانت السيارة مزودة بذلك



لوحة الشحن اللاسلكية

ربما تكون سيارتك مزودة بلوحة شحن لاسلكي Qi® بقوة 15 واط و3 أمبير موجودة أسفل المجموعة الوسطى، في حجرة التخزين. ضمنت لوحة الشحن هذه لشحن هاتفك المحمول الذي يدعم Qi® لاسلكياً. إن Qi® معيار يسمح بالشحن اللاسلكي لهاتفك المحمول.



محول الطاقة في المجموعة الوسطى

لتشغيل مأخذ الطاقة، ما عليك سوى توصيل جهاز. يتوقف المأخذ عند فصل الجهاز.

ملاحظة:

- محول الطاقة في المجموعة الوسطى متوفر فقط في السيارات المزودة بمقعد طويل أمامي.
- يتم تشغيل المحول العامل بالطاقة إذا كان مفتاح التشغيل في وضع وحدة التحكم في السرعة الثابتة المهيأة (ACC) أو ON/ RUN (التشغيل/الانطلاق) فقط.
- ونظرًا للحماية المضمنة من الحمل الكهربائي الزائد، سيتوقف تشغيل عاكس التيار العامل بالطاقة إذا تم تجاوز معدل الطاقة.



مأخذ محول الطاقة في الكونسول المركزي الخلفي

ملاحظة:

القدرة البالغة 400 وات هي الحد الأقصى للمحول، وليس لكل مأخذ. في حالة استخدام المأخذ الثلاثة، تتم مشاركة 400 وات بين الأجهزة المتصلة.

إذا كانت السيارة مزودة بمقعد طويل أمامي، فقد يوجد محول بقدرة 115 فولت (400 وات على الأكثر) على يمين المجموعة الوسطى، أسفل مفاتيح التحكم في درجة الحرارة مباشرة. يمكن لهذا المحول توفير الطاقة للهواتف الخلوية والأجهزة الإلكترونية والأجهزة الأخرى منخفضة الطاقة التي تتطلب التزود بطاقة تصل إلى 400 وات. تتجاوز بعض أجهزة ألعاب الفيديو حد الطاقة هذا، كما هو الحال في معظم الأدوات العاملة بالطاقة.

ملاحظة:

من أجل موديلات TRX: يمكن أن يتواجد محول بقدرة 115 فولت (400 وات بحد أقصى) داخل منطقة تخزين الكونسول المركزي. يمكن لهذا المحول توفير الطاقة للهواتف الخلوية والأجهزة الإلكترونية والأجهزة الأخرى منخفضة الطاقة التي تتطلب التزود بطاقة تصل إلى 400 وات. تتجاوز بعض أجهزة ألعاب الفيديو حد الطاقة هذا، كما هو الحال في معظم الأدوات العاملة بالطاقة. يظل مأخذ الطاقة متوقفًا عن التشغيل عند عدم توصيل أي جهاز. لتشغيل مأخذ الطاقة، ما عليك سوى توصيل جهاز.

يوجد أيضًا محول آخر عامل بالطاقة بقدرة 115 فولت (400 وات بحد أقصى) موجود في الجزء الخلفي من الكونسول المركزي. يمكن لهذا المحول توفير الطاقة للهواتف الخلوية والأجهزة الإلكترونية والأجهزة الأخرى منخفضة الطاقة التي تتطلب التزود بطاقة تصل إلى 400 وات. تتجاوز بعض أجهزة ألعاب الفيديو حد الطاقة هذا، كما هو الحال في معظم الأدوات العاملة بالطاقة.

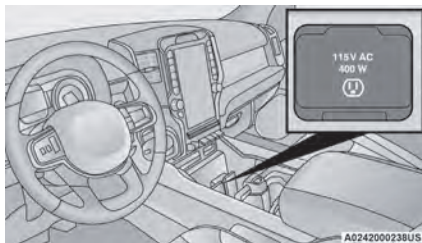
تم تصميم كل عاكسات التيار العاملة بالطاقة مع الحماية المضمنة من الحمل الكهربائي الزائد. في حالة تجاوز معدل الطاقة البالغ 400 وات، سوف يتوقف عمل عاكس التيار العامل بالطاقة. بمجرد إزالة الجهاز الكهربائي من المأخذ، من المفترض أن تتم إعادة ضبط عاكس التيار.

تنبيه!

- بعد استخدام الأجهزة التي تسحب طاقة عالية أو عند عدم تشغيل السيارة (عند توصيل الأجهزة بالمقابس) لفترات طويلة يجب قيادة السيارة لمدة كافية لتتيح للمولد الكهربائي شحن البطارية.

عاكس التيار العامل بالطاقة - إذا كانت السيارة مزودة بذلك

يمكن أن يتواجد محوّل بقدرة 115 فولت (400 وات على الأكثر) داخل الكونسول المركزي تجاه الجانب الأيمن. يمكن لهذا المحوّل توفير الطاقة للهواتف الخلوية والأجهزة الإلكترونية والأجهزة الأخرى منخفضة الطاقة التي تتطلب التزوّد بطاقة تصل إلى 400 وات. تتجاوز بعض أجهزة ألعاب الفيديو حد الطاقة هذا، كما هو الحال في معظم الأدوات العاملة بالطاقة.



مأخذ محوّل الطاقة في الكونسول المركزي

عند إيقاف تشغيل السيارة، تأكد من فصل أي معدات لكيلا يتم استنزاف بطارية السيارة. وينبغي إزالة جميع الملحقات المتصلة بالمأخذ (المأخذ) أو إيقاف تشغيلها في حالة عدم استخدام السيارة؛ وذلك لعدم استنزاف طاقة البطارية.

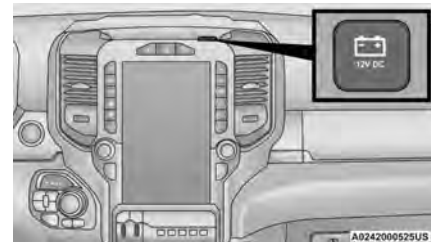
تحذير!

- لتجنب الإصابة الخطيرة أو الوفاة:
- يجب تركيب الأجهزة المصممة فقط للاستخدام في هذا النوع من المأخذ في مأخذ طاقة 12 فولت.
- لا تلمس المقابس بيدين مبللتين.
- أغلق الغطاء في حالة عدم استخدامها وأثناء قيادة السيارة.
- في حالة التعامل مع هذا المأخذ بشكل خاطئ، قد يتسبب ذلك في حدوث صدمة كهربائية وخلل كهربائي.

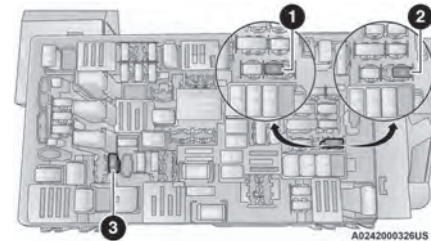
تنبيه!

- تقوم العديد من الأجهزة التي يمكن توصيلها بالمأخذ بسحب الطاقة من البطارية حتى أثناء عدم استعمالها (مثل الهاتف المتنقل). وبالتالي إذا تم توصيلها لفترات طويلة، فستؤدي إلى فقدان شحنة البطارية إلى درجة تلفها و/أو منع المحرك من بدء التشغيل.
- إن الملحقات التي تسحب طاقة أكبر (مثل المبردات والمكانس الكهربائية والأضواء وغير ذلك) تقصر عمر البطارية بصورة أسرع. لذا لا تستعمل هذه الأجهزة إلا بصورة متقطعة وبحد.

(تابع)



مأخذ الطاقة - الجزء العلوي من المجموعة الوسطى



مواضع منصهرات مأخذ الطاقة

- 1 — المنصهر رقم F54 الأصفر بقدرة 20 أمبير لوضع تغذية البطارية من مأخذ الطاقة
- 2 — المنصهر رقم F54 الأصفر بقدرة 20 أمبير لوضع تغذية مفتاح التشغيل من مأخذ الطاقة
- 3 — المنصهر رقم F48 الأحمر بقدرة 10 أمبير لمنفذ الطاقة أو منفذ USB الخلفي (شحن فقط)

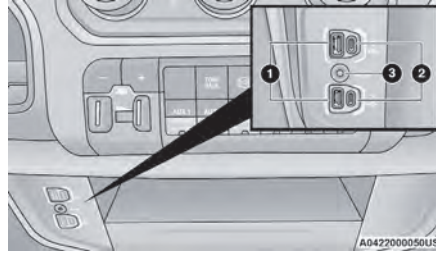
منافذ الطاقة الكهربائية

يمكن أن يوفر مأخذ الطاقة الإضافية 12 فولت (13 أمبير) الطاقة للملحقات داخل المقصورة والمصممة للاستخدام مع مقبس "ولاعة السجائر" القياسي. تشمل مأخذ الطاقة 12 فولت ومنفذ USB بقوة 5 فولت (2.5 أمبير) (شحن فقط) على غطاء متصل بالمأخذ الموضح عليه 12V DC 12 فولت تيار مباشر)، مع رمز مفتاح أو رمز بطارية أو منفذ USB.

تنبيه!

- لا تتجاوز الطاقة القصوى وهي 13 أمبير (160 وات) عند 12 فولت. إذا تم تجاوز معدل الطاقة الذي يبلغ 13 أمبير (160 وات)، فسيلزم استبدال المنصهر الذي يحمي النظام.
- صممت نقاط تزويد الطاقة فقط لتوصيل الملحقات. لا تقم بإدخال أي شيء آخر في مأخذ الطاقة لأن ذلك سيتلف المأخذ ويحرق المنصهر. ويؤدي عدم استعمال مأخذ الطاقة بصورة صحيحة إلى حصول أضرار لا يشملها الضمان المحدود للسيارة الجديدة.

يمكن العثور على مأخذ الطاقة الإضافي في الدرج الموجود أعلى المجموعة الوسطى. يعمل مأخذ الطاقة هذا عندما يكون قرص التشغيل في وضع ON/RUN (التشغيل/الانطلاق) أو ACC (الملحقات)، أو OFF (إيقاف التشغيل).



موزع الوسائط USB/AUX في الكونسول المركزي

- 1 — منافذ USB قياسية من النوع A
- 2 — منافذ Mini-USB من النوع C
- 3 - منفذ AUX (الأجهزة الإضافية)

تدعم بعض منافذ USB الوسائط والشحن. يمكنك استخدام ميزات مثل Apple CarPlay® و Android Auto™ و Pandora® وغيرها أثناء شحن هاتفك.

ملاحظة:

قد يتسبب توصيل هاتف أو جهاز USB آخر في فقد الاتصال بالجهاز السابق.

لمزيد من المعلومات، راجع دليل تعليمات الراديو بنظام Uconnect أو تفضل بزيارة UconnectPhone.com.

- "Another device is in use through the same USB port. Please disconnect the first device to use the second device". (هناك جهاز آخر قيد الاستخدام من خلال نفس منفذ USB. يرجى فصل الجهاز الأول لاستخدام الجهاز الثاني).

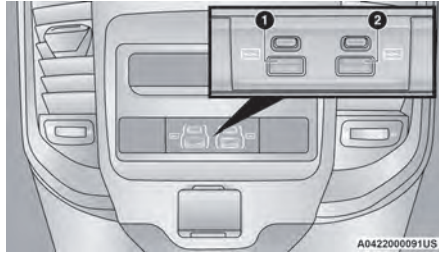
ملاحظة:

اشحن الأجهزة غير المدعومة بمنافذ USB للشحن فقط. إذا تم توصيل جهاز غير مدعوم بمنفذ USB للوسائط، فسيتم عرض رسالة على شاشة اللمس تفيد بأن النظام لا يدعم الجهاز.

قد يتسبب توصيل هاتف أو جهاز USB آخر في فقد الاتصال بالجهاز السابق.

كما قد تشتمل سيارتك على منفذ USB موجود في الدرج العلوي من الكونسول المركزي، إذا كانت السيارة مزودة بذلك.

قد يوجد منفذ Mini-USB (Type C)، ومنفذ USB قياسي (Type A)، ومنفذ AUX على الجانب الأيسر من المجموعة الوسطى، أسفل مفاتيح التحكم في درجة الحرارة مباشرة، إذا كانت السيارة مزودة بذلك.

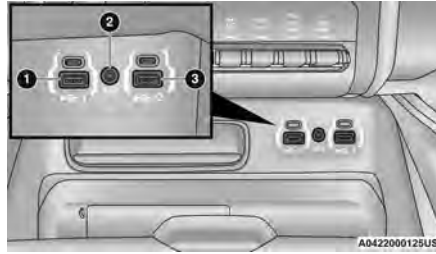


منافذ USB الخلفية

- 1 — منافذ USB الخلفية للشحن فقط
- 2 — منافذ USB الخلفية للشحن فقط

يتم إدراج السيناريوهات المختلفة التي تنطبق فقط على نظام Uconnect 5/5 NAV المزود بشاشة عرض بحجم 8.4 بوصات ونظام Uconnect 5 NAV المزود براديو بشاشة عرض بحجم 12 بوصة في ما يلي عند توصيل جهاز ليس بهاتف بمنفذ USB أصغر وأكبر، وعند توصيل جهاز هاتف بمنفذ USB أصغر وأكبر:

- "A new device is now connected. Previous connection was lost".
(اسم الهاتف) متصل الآن. تم فقد الاتصال السابق.
- "(Phone Name) now connected. Previous connection was lost".
(اسم الهاتف) متصل الآن. تم فقد الاتصال السابق.



موزع وسائط USB/AUX في المجموعة الوسطى

- 1 — منفذ USB قياسي رقم 1 من النوع A
- 2 - منفذ AUX (الأجهزة الإضافية)
- 3 — منفذ USB قياسي رقم 2 من النوع A

يوجد منفذ USB الثالث والرابع خلف الكونسول المركزي فوق المحول العامل بالطاقة. كلاهما مخصصان للشحن فقط.

ملاحظة:

لا يتعين طي المقاعد الخلفية لأعلى للوصول إلى هذه الميزة.

التحكم في منافذ USB/AUX

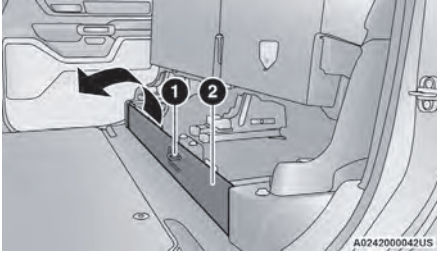
يوجد موزع الوسائط الرئيسي في المجموعة الوسطى أسفل لوحة أجهزة قياس. توجد أربعة منافذ USB إجمالاً: منفذ Mini-USB (من النوع C) ومنفذ USB قياسي (من النوع A). كما يوجد منفذ AUX في منتصف منافذ USB.

قد يؤدي توصيل جهاز هاتف ذكي بمنفذ USB إلى تنشيط ميزات Android Auto™ أو Apple CarPlay®، إذا كانت السيارة مزودة بذلك. للحصول على مزيد من المعلومات، راجع "Android Auto™" أو "Apple CarPlay®" في ملحق دليل تعليمات الراديو في نظام Uconnect.

ملاحظة:

يمكن توصيل جهازين في الوقت نفسه، وسيوفر كلا المنفذين إمكانية الشحن. يمكن لمنفذ واحد فقط نقل البيانات إلى النظام في كل مرة. ستظهر نافذة منبثقة تسمح لك بتحديد الجهاز الذي ينقل البيانات.

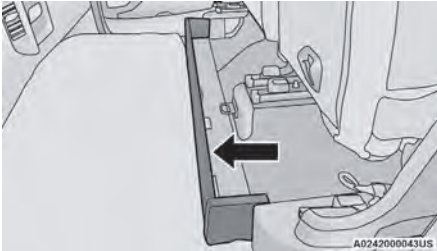
على سبيل المثال، إذا تم توصيل جهاز في منفذ USB من النوع A، وتم توصيل جهاز آخر في منفذ USB من النوع C، ستظهر رسالة تتيح لك اختيار الجهاز الذي ترغب في استخدامه.



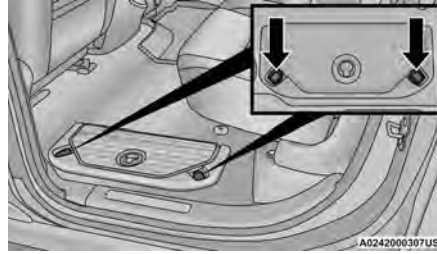
طلي الجزء الأمامي من قاعدة المقعد

- 1 — آلية القفل
2 — الجزء الأمامي من قاعدة المقعد

اقلب الجزء الداخلي من القاعدة لأعلى في الوضع المستقيم، وثبته في مكانه لعمل تمديد لمنطقة التخزين.



قم بتمديد منطقة التخزين بالكامل



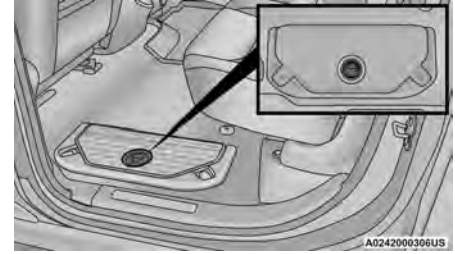
خطاطيف علبة التخزين الأرضية

ملاحظة:

الحد الأقصى لحد الحمولة لكل خطاف هو 113 كجم (250 رطلاً).

مساحة التخزين تحت المقعد الخلفي — إذا كانت السيارة مزودة بذلك

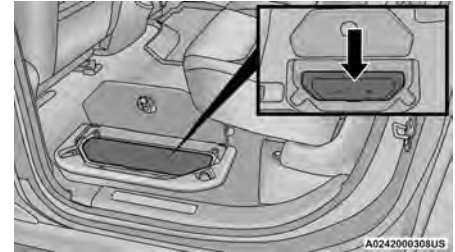
للوصول إلى مساحة التخزين تحت المقاعد الخلفية، فك آلية القفل في منتصف قاعدة المقعد عن طريق إدارتها إلى أي من الجانبين، وقم بطي الجزء الأمامي من قاعدة المقعد إلى الأمام.



مزلاج علبة التخزين الأرضية

ملاحظة:

وقد يتعين تحريك المقعد الأمامي للأمام لفتح الغطاء بالكامل.

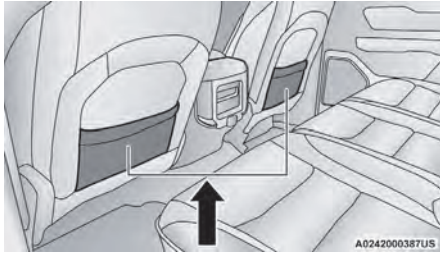


علبة التخزين مفتوحة

كما تشتمل كل علبة تخزين على خطافين لتثبيت الحمولة. يجب استخدام تلك الخطاطيف لتثبيت الحمولة أثناء سير السيارة.

موضع تخزين ظهر المقعد

يوجد في ظهر المقعدين الأماميين للسائق والراكب جيوب يمكن استخدامها للتخزين.



موضع تخزين ظهر المقعد

علب تخزين أرضية مقعد الصف الثاني — إذا كانت السيارة مزودة بذلك

توجد علب تخزين الأرضية في مقدمة مقاعد الصف الثاني ويمكن استخدامها كمساحة تخزين إضافية. وعلب التخزين لها بطانات قابلة للإزالة حيث يمكن إزالتها بسهولة لتنظيفها.

افتح علبة التخزين الأرضية، ارفع مقبض المزلاج لأعلى وافتح الغطاء.

موضع تخزين الكونسول الخلفي - إذا كانت السيارة مزودة بذلك

ينطوي القسم الأوسط في المقعد المقسم بنسبة 40/20/40 إلى الأمام للوصول إلى حاملات أكواب المقعد الخلفي وحجرة التخزين. ارفع مزلاج الكونسول لأعلى للوصول إلى حجرة التخزين.

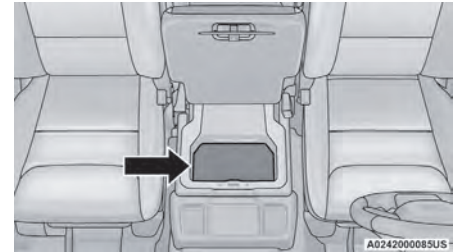


موقع مزلاج الكونسول الخلفي



مساحة التخزين في المقعد الطويل الأمامي

ارفع الجزء السفلي من المقعد الأوسط، مع ضبط ظهر المقعد في الوضع القائم، للوصول إلى مساحة تخزين إضافية أسفل المقعد.



مساحة التخزين أسفل الجزء السفلي من المقعد

وحدة تخزين النظارات العلوية

يوجد صندوق لحفظ نظارتين شمسييتين في مقدمة الكونسول العلوي.
من الوضع المغلق، اضغط على مزلاج الباب لفتح الصندوق.



باب النظارات العلوي

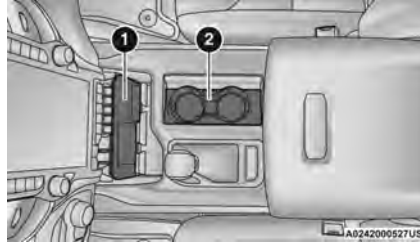
مساحة التخزين في المقعد الطويل الأمامي - إذا كانت السيارة مزودة بذلك

إذا كانت سيارتك مزودة بمقعد طويل أمامي، فيمكن توفير مساحة للتخزين بطي ظهر المقعد الأوسط إلى أسفل. تتوفر منطقة التخزين في الكونسول وحاملات الأكواب.

منطقة تخزين الكونسول المركزي - طراز TRX فقط

تتكون منطقة التخزين بالكونسول المركزي من صندوق صغير (موجود أمام محدد التروس) وحاملتي أكواب (موجودان على يمين محدد التروس). إذا كانت السيارة مزودة بلوحة شحن لاسلكية، فستكون موجودة داخل الصندوق الصغير.

للوصول إلى حاملتي الأكواب، اضغط على الغطاء لفتحه.



منطقة تخزين الكونسول المركزي

- 1 — صندوق صغير (مزود بلوحة شحن لاسلكية)
- 2 — حاملتي الأكواب

ملاحظة:

ستصبح البطاقة المعدنية على سطح غطاء الكونسول المركزي ساخنة في حال تعرض غطاء الكونسول لأشعة الشمس المباشرة أو في حال تعرضت السيارة لبيئة تكون درجة الحرارة فيها مرتفعة للغاية.



وضع الفتح للأبواب الترادفية

- 1 — فتح الصندوق الأمامي
- 2 — فتح الصندوق الخلفي

اضغط على زر التحرير الموجود في الجزء الأمامي من علبة حامل الأكواب لتحريك الدرج للخلف للوصول إلى علبة التخزين الأمامية السفلى، أو للأمام للوصول إلى علبة التخزين السفلى الخلفية.



اضغط على زر التحرير لتحريك الدرج

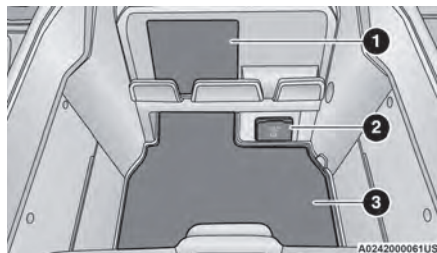
الكونسول المركزي الفاخر — إذا كانت السيارة مزودة بذلك

تم تزويد الكونسول المركزي الفاخر بعلبتي تخزين أماميتين أمام حجرة التخزين الوسطى. قد تكون علب التخزين هذه مزودة بأبواب ترادفية. اضغط على العلية الأمامية للوصول إلى حوامل الأكواب. أو اضغط على العلية الخلفية للوصول إلى علية التخزين الصغيرة/حامل العملات المعدنية.



الأبواب الترادفية للكونسول المركزي - إذا كانت السيارة مزودة بذلك

- 1 — اضغط على مفتاح الوصول إلى الصندوق الأمامي
- 2 — اضغط على مفتاح الوصول إلى الصندوق الخلفي

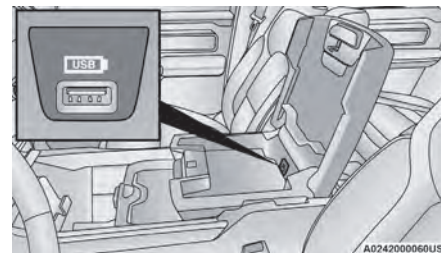


الجزء الأمامي من علية التخزين السفلية

- 1 — لوحة الشحن اللاسلكية
- 2 — محول عامل البطاقة
- 3 — منطقة التخزين

تحذير!

لا تقم بتشغيل السيارة أثناء وجود غطاء حجرة الكونسول في وضع الفتح. قد تتسبب القيادة وغطاء حجرة الكونسول مفتوحاً في حدوث إصابة عند وقوع تصادم.



مأخذ USB الخاص بمنطقة التخزين العلوية

والغطاء العلوي مغلق، اسحب المقبض السفلي لفتح علية التخزين السفلية. يحتوي الصندوق السفلي على محول عامل بالطاقة. يوجد أيضاً خط تعبئة بطول الجدار الداخلي الخلفي من العلية السفلية. قد تتداخل المحتويات الموجودة أعلى خط التعبئة مع موضع حامل الأكواب، إذا كانت السيارة مزودة بكونسول مركزي متميز.

تحذير!

- في حال حدوث تصادم، قد يفتح المزلاج إذا كان وزن المواد المخزنة الإجمالي يتجاوز 4.5 كجم (10 أرطال). قد تتطاير هذه المواد معرضة ركاب السيارة للخطر. يجب ألا يتجاوز إجمالي وزن المواد المخزنة 4.5 كجم (10 أرطال).

اسحب المقبض العلوي الموجود أمام مسند الذراع لرفع الغطاء. تحتوي منطقة التخزين العلوية على مأخذ طاقة USB والذي يمكن استخدامه لتزويد الطاقة للأجهزة الكهربائية الصغيرة.

**حجرة التخزين الوسطى**

- 1 — مقبض الكونسول العلوي
- 2 — مقبض الكونسول السفلي

موضع التخزين بالباب - إذا كانت السيارة مزودة بذلك**موضع التخزين بالباب الأمامي**

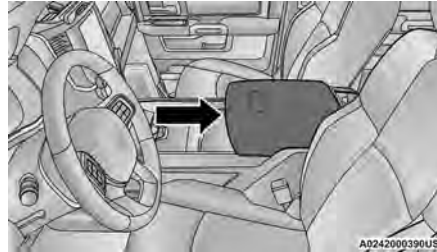
توجد مناطق التخزين في لوحات كسوة الباب.

موضع التخزين بالباب الخلفي

توجد مناطق التخزين في لوحات كسوة الباب.

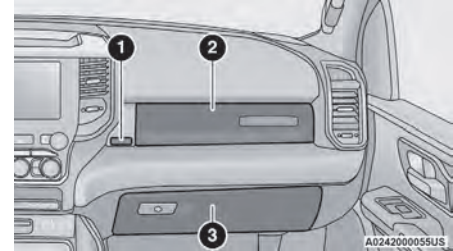
صندوق التخزين الأوسط — إذا كانت السيارة مزودة بذلك

يوجد صندوق التخزين الأوسط بين مقعدي السائق والراكب. توفر حجرة التخزين مسنداً للذراع وتتضمن منطقتي تخزين علوية وسفلية.

**حجرة التخزين الوسطى****تحذير!**

- لا يعتبر مسند الذراع هذا مقعداً. وأي شخص يجلس على مسند الذراع قد يتعرض لإصابة خطيرة أثناء قيادة السيارة أو في حالة الاصطدامات.

(تابع)

**صندوق القفازات**

- 1 — زر تحرير صندوق القفازات (إذا كانت السيارة مزودة بذلك)
- 2 — صندوق القفازات العلوي
- 3 — صندوق القفازات السفلي

إذا كانت السيارة مزودة بصندوق قفازات علوي مغطى، فاضغط على زر التحرير لفتحه.
لفتح صندوق القفازات السفلي، اسحب مقبض التحرير.

تحذير!

لا تقم بتشغيل هذه السيارة وصندوق القفازات في وضع الفتحة. قد تتسبب القيادة وصندوق القفازات مفتوح في حدوث إصابة عند وقوع تصادم.

إعدادات مفاتيح التحكم	الطقس
اضبط مفتاح التحكم في الوضع م (Floor Mode) وضع الأرضية)، وقم بتشغيل A/C (مكيف الهواء) للحفاظ على زجاج النوافذ خاليًا من الضباب.	أحوال الطقس البارد والرطب
اضبط مفتاح التحكم في الوضع م (Floor Mode) وضع الأرضية). إذا بدأ حدوث تراكم للضباب على الزجاج الأمامي، فحرك مفتاح التحكم إلى م (Mix Mode) (الوضع المختلط).	الطقس البارد

مساحات التخزين الداخلية والمعدات

التخزين

صندوق القفازات

يوجد صندوق القفازات في لوحة أجهزة القياس جهة الراكب ويحتوي على منطقتي تخزين علوية وسفلية.

نظام Stop/Start (الإيقاف/بدء التشغيل) - إذا كانت السيارة مزودة بذلك

أثناء التواجد في وضع Autostop (التوقف الأوتوماتيكي)، قد يقوم نظام التحكم في درجة الحرارة بضبط تدفق الهواء للمحافظة على الراحة داخل الكابينة. ستتم المحافظة على إعدادات العميل عند العودة إلى حالة تشغيل المحرك.

جدول تلميحات التشغيل

الطقس	إعدادات مفاتيح التحكم
الطقس حار والسيارة من الداخل ساخنة جدًا	اضبط مفتاح التحكم في الوضع على م (وضع اللوحة)، A/C ومكيف الهواء على وضع التشغيل، والمروحة على الإعداد المرتفع. قم بخفض زجاج النوافذ لمدة دقيقة للتخلص من الهواء الساخن. اضبط عناصر التحكم حسبما تريد بما يوفر لك الراحة.
الطقس دافئ	قم بتشغيل A/C (مكيف الهواء) واضبط مفتاح التحكم في الوضع على م (وضع اللوحة).
الطقس البارد مع سطوح الشمس	قم بالتشغيل في وضع م (وضع المستوى الثاني).

العلقات/تخزين السيارة

للحصول على معلومات حول الحفاظ على نظام التحكم في درجة الحرارة عند تخزين السيارة لفترة طويلة من الوقت، راجع [صفحة ٤٠٠](#).

تراكم الضباب على النوافذ

قد يتراكم الضباب على نوافذ السيارة من الداخل في الطقس المعتدل و/أو الممطر و/أو الرطب. ولمسح النوافذ، حدد وضع مزيل الصقيع أو المزج وزد سرعة المروحة الأمامية. تجنب استعمال وضع إعادة تدوير الهواء لفترات طويلة بدون تشغيل مكيف الهواء فقد يتراكم الضباب على الزجاج.

المنافذ الخارجية لدخول الهواء

تأكد من عدم وجود أشياء تعيق مدخل الهواء الموجود أمام الزجاج الأمامي، مثل أوراق الشجر. فقد تقلل أوراق الأشجار المتراكمة في مدخل الهواء تدفق الهواء، وإذا دخلت إلى صندوق التوزيع، فقد تؤدي إلى سد فتحات تصريف الماء. وفي فصل الشتاء، تأكد من خلو مأخذ الهواء من الجليد والطين والتلج.

فلتر هواء الكابينة

يقوم نظام التحكم في درجة الحرارة بترشيق الهواء من الأتربة والغبار. اتصل بالوكيل المعتمد لصيانة فلتر هواء الكابينة، واستبدله عند الحاجة.

الوضع المختلط



يتم توجيه الهواء عبر منافذ الأرضية ومزيل الصقيع ومنافذ إزالة الضباب من النافذة الجانبية. ويعمل هذا الضبط بصورة أفضل في الظروف الباردة أو أثناء هطول الثلوج، والتي تتطلب تسخينًا إضافيًا للزجاج الأمامي. ويصلح هذا الضبط للحفاظ على مستوى راحة الركاب مع تقليل مستوى الرطوبة المتجمعة على الزجاج الأمامي.

نظام التحكم الأوتوماتيكي في درجة الحرارة (ATC) - إذا كانت السيارة مزودة بذلك

التشغيل الأوتوماتيكي

1. اضغط على الزر AUTO (أوتوماتيكي) في الواجهة أو اضغط على زر "AUTO" (أوتوماتيكي) على شاشة اللمس على لوحة التحكم الأوتوماتيكي بدرجة الحرارة (ATC).
2. اضبط بعد ذلك درجة الحرارة التي تود أن يحافظ عليها النظام وذلك بضبط أزرار التحكم في درجة الحرارة للسائق والراكب الأمامي. وبمجرد عرض درجة الحرارة المرغوبة، يقوم النظام بالوصول إلى درجة الحرارة تلك والمحافظة عليها أوتوماتيكيًا.
3. وحالما يصل النظام إلى المستوى الذي يوفر لك الراحة ليس من الضروري تغييره. وسنجد أن النظام يعمل بكفاءة مثلى إذا تركته يعمل بصورة أوتوماتيكية.

ملاحظة:

- ليس من الضروري تغيير إعدادات درجة الحرارة للسيارات الباردة أو الساخنة. لأن النظام يقوم أوتوماتيكيًا بضبط درجات الحرارة والوضع وسرعة المروحة لتوفير وسط مريح في أسرع وقت ممكن.
- يُمكن عرض درجة الحرارة بالوحدات الأمريكية أو المترية من خلال اختيار ميزة النظام الأمريكي/النظام المتري القابلة للبرمجة بواسطة العميل في إعدادات نظام Uconnect ➡ صفحة ٢٢٩.

لتوفير الحد الأقصى من الراحة في وضع التشغيل الأوتوماتيكي أثناء تشغيل المحرك في الأيام الباردة، فإن مروحة الهواء ستبقى على سرعة منخفضة إلى أن يسخن المحرك. ستزيد سرعة المروحة وتدخل في وضع AUTO (أوتوماتيكي).

تجاوز التشغيل اليدوي

يتيح لك هذا النظام خاصية التحكم اليدوي التام. وعند استعمال الوضع اليدوي للتشغيل ينطفئ رمز الوضع الأوتوماتيكي في شاشة نظام التحكم في درجة الحرارة الأمامي.

نظام التعرف على الصوت لدرجة الحرارة - إذا كانت السيارة مزودة بذلك

اضبط درجة حرارة السيارة دون استخدام اليمين وحافظ على راحة كل شخص أثناء التحرك قدمًا في الطريق. اضغط على زر VR (التعرف على الصوت) على عجلة القيادة. بعد سماع الصافرة، قل أيًا من الأوامر التالية:

• "Set driver temperature to 20 degrees"

(ضبط درجة حرارة السائق على 20 درجة)

• "Set passenger temperature to 20 degrees"

(ضبط درجة حرارة الراكب على 20 درجة)

هل تعلم أنه: يمكن استخدام الأمر الصوتي لدرجة الحرارة لضبط درجة الحرارة الداخلية من السيارة. لا يعمل نظام الأوامر الصوتية على ضبط المقاعد المسخنة أو عجلة القيادة المسخنة إذا كانت السيارة مزودة بذلك.

نصائح التشغيل

راجع الجدول الموجود في نهاية هذا القسم للتعرف على إعدادات التحكم المقترحة لظروف الطقس المتنوعة.

تشغيل مكيف الهواء في فصل الصيف

يجب حماية نظام تبريد سائل المحرك باستخدام سائل تبريد مانع للتجمد ذي جودة عالية لتوفير حماية ملائمة من التآكل وللمنع الارتفاع المفرط في حرارة المحرك. يُوصى باستخدام سائل تبريد ذي تقنية الإضافات العضوية (OAT) (المتوافق مع متطلبات معيار مواد MS.90032).

تشغيل مكيف الهواء في فصل الشتاء

لضمان الحصول على أفضل أداء تسخين وإزالة صقيع ممكن، تأكد من عمل نظام تبريد المحرك بشكل سليم واستخدام الكمية المناسبة من سائل التبريد وكذلك النوع والتركيز المناسبين. ولا يُنصح باستخدام وضع إعادة تدوير الهواء خلال فصل الشتاء لأن ذلك قد يتسبب في تجمع الضباب على النوافذ.

وضع اللوحة

يخرج الهواء من المنافذ الواقعة في لوحة أجهزة القياس. ومن الممكن ضبط كل منفذ على حدة لتوجيه تيار الهواء. يمكن تحريك ريشات الهواء بالمنافذ المركزية والخارجية لأعلى أو أسفل أو من جانب لجانب لتنظيم اتجاه تدفق الهواء. يوجد قرص للإيقاف أسفل ريشات الهواء لإيقاف تدفق الهواء أو ضبط المقدار المتدفق من هذه المنافذ.

وضع ثنائي المستوى

يخرج الهواء من منافذ لوحة أجهزة القياس والمنافذ الأرضية. مع مقدار ضئيل عبر مزيل الصقيع ومنافذ إزالة الضباب من النوافذ الجانبية.

ملاحظة:

تم تصميم وضع Bi-Level (ثنائي المستوى) في ظل ظروف الراحة لتوفير هواء أبرد يخرج من منافذ لوحة أجهزة القياس وهواء أدفأ من منافذ الأرضية.

وضع الأرضية

يخرج الهواء عبر المنافذ الأرضية. مع مقدار ضئيل عبر مزيل الصقيع ومنافذ إزالة الضباب من النوافذ الجانبية.

التحكم في درجة الحرارة

ينظم مفتاح التحكم في درجة الحرارة درجة حرارة الهواء الداخل عبر نظام التحكم في درجة الحرارة.

تزيد درجة الحرارة عند تدوير مقبض التحكم في درجة الحرارة باتجاه عقارب الساعة.

بينما تقل درجة الحرارة عند تدوير مقبض التحكم في درجة الحرارة عكس اتجاه عقارب الساعة.

التحكم في المروحة

ينظم التحكم في المروحة كمية الهواء الداخل عبر نظام التحكم في درجة الحرارة. وللمروحة سبع سرعات متاحة. تزيد سرعة المروحة عند تدوير مقبض التحكم في المروحة باتجاه عقارب الساعة بدءاً من الإعداد الأقل للمروحة. بينما تقل سرعة المروحة عند تدوير مقبض التحكم في المروحة عكس اتجاه عقارب الساعة.

مفتاح التحكم في الوضع

أدر مقبض التحكم في الوضع أو اضغط على زر التحكم في الوضع (إذا كانت السيارة مزودة بذلك) لضبط توزيع تدفق الهواء. يمكن ضبط وضع توزيع تدفق الهواء بحيث يخرج الهواء من منافذ لوحة أجهزة القياس والمنافذ الأرضية ومنافذ إزالة الضباب ومنافذ إزالة الصقيع.

زر إزالة الصقيع الخلفي

اضغط على زر Rear Defrost Control (التحكم في مزيل الصقيع الخلفي) وحرره لتشغيل مزيل الصقيع من النافذة الخلفية والمرايا الخارجية المسخنة (إذا كانت السيارة مزودة بذلك). يضيء مؤشر Rear Defrost عند تشغيل مزيل صقيع النافذة الخلفية. يتم أوتوماتيكياً إيقاف تشغيل مزيل الصقيع عن النافذة الخلفية بعد 10 دقائق.



تنبيه!

إن عدم اتباع هذه التنبيهات قد يتسبب في تلف عناصر التسخين:

- عليك بتوخي الحذر عند غسل الجزء الداخلي من النافذة الخلفية. لا تستخدم منظفات النوافذ الكاشطة على السطح الداخلي للنافذة. استخدم قطعة قماش ناعمة ومحلول غسيل معتدل، وقم بالمسح بشكل موازي لأجزاء التسخين. وبالإمكان إزالة الملصقات الموجودة على الزجاج بعد أن تبلى بماء دافئ.
- لا تستخدم أدوات تنظيف كاشطة أو أدوات حادة أو منظفات النوافذ الكاشطة على السطح الداخلي للنافذة.
- احتفظ بكافة المتعلقات على مسافة آمنة من النافذة.

وصف التحكم اليدوي في درجة الحرارة ووظائفه



نظام Uconnect 5 المزود بشاشة عرض بحجم 8.4 بوصة ومفاتيح تحكم يدوي في درجة الحرارة

إعداد MAX A/C (الحد الأقصى لمكيف الهواء)

اضبط مقبض التحكم بدرجات الحرارة على أقصى إعداد لمكيف الهواء، لتغيير الإعداد الحالي على أبرد إخراج للهواء. يؤدي تحريك مقبض التحكم في درجة الحرارة بعيداً عن إعداد MAX A/C (الحد الأقصى لمكيف الهواء) إلى إيقاف تشغيل MAX A/C (الحد الأقصى لمكيف الهواء).

زر A/C (مكيف الهواء)

اضغط على زر A/C (مكيف الهواء) لتشغيل مكيف الهواء (A/C). يضيء مؤشر A/C عند تشغيل مكيف الهواء.



ملاحظة:

- بالنسبة إلى مفاتيح التحكم اليدوي في درجة الحرارة، إذا كان النظام في وضع Mix (مختلط) أو Floor (الأرضية) أو Defrost (إزالة الصقيع)، فيمكن إيقاف تشغيل مكيف الهواء، ولكن يجب أن يظل نظام مكيف الهواء نشطاً لمنع تكون الضباب على النوافذ.
- في حالة ظهور الضباب أو الرذاذ على الزجاج الأمامي أو الزجاج الجانبي، اختر وضع Defrost (إزالة الصقيع) وزد سرعة المروحة إذا لزم الأمر.
- وإذا بدا مستوى أداء مكيف الهواء منخفضاً عن المتوقع؛ فافحص مقدمة مكثف، مكيف الهواء (الموجود في مقدمة الرادياتور) للتخلص من الأتربة أو الحشرات التي قد تكون متجمعة عليه. نظف برش الماء عليه برفق من أمام الرادياتور ومن خلال المكثف.

زر إعادة تدوير الهواء

اضغط على زر إعادة تدوير الهواء لتغيير النظام بين وضع إعادة تدوير الهواء ووضع الهواء الخارجي. يضيء مؤشر إعادة تدوير الهواء ومؤشر مكيف الهواء عند الضغط على



زر Recirculation (إعادة تدوير الهواء). ويمكن استخدام إعادة تدوير الهواء عندما تشتمل الظروف الخارجية على دخنة أو روائح أو أتربة أو رطوبة عالية. يمكن استخدام إعادة تدوير الهواء في كل الأوضاع

باستثناء وضع Defrost (إزالة الصقيع). قد لا تتوافر ميزة إعادة تدوير الهواء في حالة وجود ظروف قد تتسبب في تكون ضباب على الجزء الداخلي من الزجاج الأمامي. يمكن إلغاء تحديد مكيف الهواء يدوياً دون تغيير تحديد مفتاح التحكم في الأوضاع. قد يؤدي الاستخدام المستمر لوضع إعادة تدوير الهواء إلى فساد الهواء الموجود بداخل السيارة، وقد يؤدي إلى تجمع الضباب على زجاج النوافذ. لا يوصى بالاستخدام الممتد لهذا الوضع.

في الأنظمة المزودة بمفاتيح التحكم اليدوي في درجات الحرارة، لا يُسمح بوضع إعادة تدوير الهواء في وضع Defrost (مزيل الصقيع) لتحسين عملية تنظيف النوافذ. يتم تعطيل إعادة تدوير الهواء أوتوماتيكياً في حالة تحديد هذا الوضع. إن محاولة استخدام وضع إعادة تدوير الهواء أثناء التواجد في هذا الوضع قد يتسبب في مبيض مصباح LED الموجود في مفتاح التحكم ثم انطفائه.

إعداد Front Defrost (إزالة الصقيع الأمامي)

أدر مقبض التحكم في الأوضاع إلى إعداد وضع Front Defrost (إزالة الصقيع الأمامي). يخرج الهواء من منافذ الزجاج الأمامي ومنافذ إزالة الضباب من النوافذ



الجانبيه. عند تحديد زر إزالة الصقيع، قد يزيد مستوى المروحة. استخدم وضع Defrost (مزيل الصقيع) مع تشغيل إعدادات الحد الأقصى لدرجة الحرارة لإزالة الصقيع المتجمع على الزجاج الأمامي والنوافذ الجانبية بأفضل شكل.

الوضع المختلط

يتم توجيه الهواء عبر منافذ الأرضية ومزيل الصقيع ومنافذ إزالة الضباب من النافذة الجانبية. ويعمل هذا الضبط بصورة أفضل في الظروف الباردة أو أثناء هطول الثلوج، والتي تتطلب تسخينًا إضافيًا للزجاج الأمامي. ويصلح هذا الضبط للحفاظ على مستوى راحة الركاب مع تقليل مستوى الرطوبة المتجمعة على الزجاج الأمامي.



زر إيقاف تشغيل التحكم في درجة الحرارة

اضغط على زر OFF (إيقاف التشغيل) على شاشة اللمس وحرره، أو اضغط على زر OFF (إيقاف التشغيل) الموجود على الواجهة (إذا كانت السيارة مزودة بذلك) لتشغيل التحكم في درجة الحرارة أو إيقاف تشغيله.



وضع اللوحة

يخرج الهواء من المنافذ الواقعة في لوحة أجهزة القياس. ومن الممكن ضبط كل منفذ على حدة لتوجيه تيار الهواء. يمكن تحريك ريشات الهواء بالمنافذ المركزية والخارجية لأعلى أو أسفل أو من جانب لجانب لتنظيم اتجاه تدفق الهواء. يوجد قرص للإيقاف أسفل ريشات الهواء لإيقاف تدفق الهواء أو ضبط المقدار المتدفق من هذه المنافذ.



وضع ثنائي المستوى

يخرج الهواء من منافذ لوحة أجهزة القياس والمنافذ الأرضية. مع مقدار ضئيل عبر مزيل الصقيع ومنافذ إزالة الضباب من النوافذ الجانبية.



ملاحظة:

تم تصميم وضع Bi-Level (ثنائي المستوى) في ظل ظروف الراحة لتوفير هواء أبرد يخرج من منافذ لوحة أجهزة القياس وهواء أدفأ من منافذ الأرضية.

وضع الأرضية

يخرج الهواء عبر المنافذ الأرضية. مع مقدار ضئيل عبر مزيل الصقيع ومنافذ إزالة الضباب من النوافذ الجانبية.



التحكم في المروحة

ينظم التحكم في المروحة كمية الهواء الداخل عبر نظام التحكم في درجة الحرارة. وللمروحة سبع سرعات متاحة. ويؤدي ضبط المروحة إلى تبديل الوضع الأوتوماتيكي إلى التشغيل اليدوي. ويمكن تحديد السرعات باستخدام إما مقبض التحكم في المروحة على الواجهة أو الأزرار الموجودة على شاشة اللمس.



الواجهة

تزيد سرعة المروحة عند تدوير مقبض التحكم في المروحة باتجاه عقارب الساعة بدءًا من الإعداد الأقل للمروحة. بينما تقل سرعة المروحة عند تدوير مقبض التحكم في المروحة عكس اتجاه عقارب الساعة.

شاشة اللمس

استخدم رمز المروحة الصغيرة لتقليل إعدادات المروحة ورمز المروحة الكبيرة لزيادة إعدادات المروحة. يمكن أيضًا تحديد المروحة بالضغط على منطقة شريط المروحة الموجودة بين الرموز.

مفتاح التحكم في الوضع

حدد الوضع بالضغط على أحد أزرار الأوضاع الموجودة على شاشة اللمس أو اضغط على زر Mode (الوضع) الموجود على الواجهة لتغيير وضع توزيع تدفق الهواء. يمكن ضبط وضع توزيع تدفق الهواء بحيث يخرج الهواء من منافذ لوحة أجهزة القياس والمنافذ الأرضية ومنافذ إزالة الصقيع ومنافذ إزالة الضباب.



زر إزالة الصقيع الأمامي



اضغط على زر Front Defrost (إزالة الصقيع الأمامي) الموجود على شاشة اللمس وحرره، أو اضغط على الزر الموجود على الواجهة وحرره، لتغيير إعداد تدفق الهواء الحالي إلى وضع Defrost (إزالة الصقيع). يضيء مؤشر Front Defrost عند ضبط وظيفة إزالة الصقيع الأمامي على وضع التشغيل. يخرج الهواء من منافذ الزجاج الأمامي ومنافذ إزالة الضباب من النوافذ الجانبية. عند تحديد زر إزالة الصقيع، قد يزيد مستوى المروحة. استخدم وضع Defrost (مزيل الصقيع) مع تشغيل إعدادات الحد الأقصى لدرجة الحرارة لإزالة الصقيع المتجمع على الزجاج الأمامي والنوافذ الجانبية بأفضل شكل. عند تبديل زر وضع إزالة الصقيع الأمامي، سيعود نظام درجة الحرارة للإعداد السابق.

زر إزالة الصقيع الخلفي



اضغط على زر Rear Defrost (إزالة الصقيع الخلفي) الموجود على شاشة اللمس وحرره، أو اضغط على الزر الموجود على الواجهة وحرره، لتشغيل مزيل الصقيع من النافذة الخلفية والمرايا الخارجية المسخنة (إذا كانت السيارة مزودة بذلك). يضيء مؤشر Rear Defrost عند تشغيل مزيل صقيع النافذة الخلفية. يتم أوتوماتيكيًا إيقاف تشغيل مزيل الصقيع عن النافذة الخلفية بعد 10 دقائق.

تنبيه!

- إن عدم اتباع هذه التنبيهات قد يتسبب في تلف عناصر التسخين:
- عليك بتوخي الحذر عند غسل الجزء الداخلي من النافذة الخلفية. لا تستخدم منظفات النوافذ الكاشطة على السطح الداخلي للنافذة. استخدم قطعة قماش ناعمة ومحلول غسيل معتدل، وقم بالمسح بشكل موازي لأجزاء التسخين. وبالإمكان إزالة الملتصقات الموجودة على الزجاج بعد أن تبتل بماء دافئ.
 - لا تستخدم أدوات تنظيف كاشطة أو أدوات حادة أو منظفات النوافذ الكاشطة على السطح الداخلي للنافذة.
 - احتفظ بكافة المتعلقات على مسافة آمنة من النافذة.

أزرار زيادة وخفض درجة الحرارة للسائق والراكب

توفر تلك الأزرار التحكم المستقل في درجة الحرارة للسائق والراكب.



اضغط على الزر الأحمر (أو قم بتدوير المقبض إذا كانت السيارة مزودة بذلك) الموجود على الواجهة، أو اضغط على الزر الأحمر الموجود في شاشة اللمس، أو اضغط على شريط درجة الحرارة وحركه نحو زر السهم الأحمر الموجود على شاشة اللمس للحصول على إعدادات درجة حرارة أكثر دفئًا.



اضغط على الزر الأزرق (أو قم بتدوير المقبض إذا كانت السيارة مزودة بذلك) الموجود على الواجهة، أو اضغط على الزر الأزرق الموجود في شاشة اللمس، أو اضغط على شريط درجة الحرارة وحركه نحو زر السهم الأزرق الموجود على شاشة اللمس للحصول على إعدادات درجة حرارة أبرد.

ملاحظة:

- سوف تظهر الأرقام الواردة في شاشة عرض درجة الحرارة إذا كان النظام مزودًا بنظام التحكم الأوتوماتيكي في درجة الحرارة فقط.
- الزران لأعلى ولأسفل متوفران فقط في السيارات المزودة بشاشة عرض بحجم 12 بوصة.

زر SYNC (المزامنة)



اضغط على زر SYNC (المزامنة) على شاشة اللمس للتبديل بين تشغيل/إيقاف ميزة SYNC (المزامنة). يضيء المؤشر SYNC (المزامنة) عند تشغيل المزامنة. تقوم ميزة SYNC (المزامنة) بمزامنة إعداد درجة حرارة الراكب مع إعداد درجة حرارة السائق. سيعمل تغيير إعداد درجة حرارة الراكب أثناء التواجد في وضع SYNC (المزامنة) على الخروج تلقائيًا من هذه الميزة.

ملاحظة:

يوجد زر SYNC (المزامنة) على شاشة اللمس فقط.

لا يوصى بالاستخدام الممتد لهذا الوضع. قد يتم ضبط وضع إعادة التدوير أوتوماتيكياً لتحسين تجربة العمل في ما يتعلق بالتسخين والتبريد وإزالة الرطوبة، وما إلى ذلك. في الطقس البارد قد يؤدي استعمال وضع إعادة تدوير الهواء إلى تراكم الضباب على النوافذ. قد لا تتوفر ميزة إعادة تدوير الهواء في حال وجود ظروف قد تتسبب في تكوّن ضباب على الجزء الداخلي من الزجاج الأمامي.

زر AUTO (أوتوماتيكي)

اضبط درجة الحرارة المرغوبة واضغط على الزر AUTO (أوتوماتيكي). سيمنحك الوضع الأوتوماتيكي درجة الحرارة التي تريدها ويحافظ عليها من خلال الضبط الأوتوماتيكي



لسرعة المروحة وتوزيع الهواء. قد يكون تكييف الهواء (A/C) نشطاً أثناء التشغيل الأوتوماتيكي لتحسين الأداء. ونوصي بشدة باستخدام الوضع الأوتوماتيكي لتحقيق الفعالية.

يمكنك تشغيل AUTO (أوتوماتيكي) بإحدى الطريقتين:

- اضغط على زر هذا الزر وحرره على شاشة اللمس.
- اضغط على الزر في الواجهة.

سيؤدي تبديل هذه الوظيفة إلى تبديل النظام ما بين الوضع اليدوي والوضع الأوتوماتيكي. صفحة ٦٢.

ملاحظة:

- يعمل إعداد MAX A/C (الحد الأقصى لمكيف الهواء) على ضبط التحكم في أداء الحد الأقصى للتبريد.
- يوجد زر MAX A/C (الحد الأقصى لمكيف الهواء) على شاشة اللمس فقط.

زر A/C (مكيف الهواء)

اضغط على هذا الزر وحرره على شاشة اللمس، أو اضغط على الزر الموجود على الواجهة، لتغيير الإعداد الحالي. يضيء مؤشر A/C عند تشغيل مكيف الهواء.



زر إعادة تدوير الهواء

اضغط على هذا الزر في شاشة اللمس وحرره، أو اضغط على الزر الموجود على الواجهة، لتغيير النظام بين وضع إعادة تدوير الهواء ووضع الهواء الخارجي. يضيء مؤشر إعادة



تدوير الهواء ومؤشر مكيف الهواء عند الضغط على زر Recirculation (إعادة تدوير الهواء). ويمكن الاستفادة بإعادة تدوير الهواء عندما تشتمل الظروف الخارجية على أدخنة أو روائح أو أتربة أو رطوبة عالية. يمكن استخدام إعادة تدوير الهواء في كل الأوضاع. قد لا تكون ميزة إعادة تدوير الهواء متاحة (يظهر الزر غير نشط على شاشة اللمس) إذا كانت الظروف يمكن أن تؤدي إلى تكوّن الضباب على الجزء الداخلي من الزجاج الأمامي. يمكن إلغاء تحديد مكيف الهواء يدوياً دون تغيير تحديد مفتاح التحكم في الأوضاع. قد يؤدي الاستخدام المستمر لوضع إعادة تدوير الهواء إلى فساد الهواء الموجود بداخل السيارة؛ وقد يؤدي إلى تجمع الضباب على زجاج النوافذ.



نظام Uconnect 5 NAV المزود بمفاتيح التحكم في درجة الحرارة بصورة أوتوماتيكية مع شاشة عرض بحجم 12 بوصة

ملاحظة:

يمكن أن تختلف الرموز والأوصاف حسب معدات السيارة.

زر MAX A/C (الحد الأقصى لمكيف الهواء)

اضغط على زر MAX A/C (الحد الأقصى لتكييف الهواء) الموجود في شاشة اللمس وحرره لتغيير الإعداد الحالي إلى أقصى برودة لإخراج الهواء. يضيء مؤشر MAX A/C



عند تشغيل الحد الأقصى لمكيف الهواء. يؤدي الضغط على الزر مرة أخرى إلى الخروج من تشغيل MAX A/C (الحد الأقصى لتكييف الهواء).

وصف التحكم الأوتوماتيكي في درجة الحرارة ووظائفه



نظام **Uconnect 5/5 NAV** المزود بمفاتيح التحكم في درجة الحرارة بصورة أوتوماتيكية مع شاشة عرض بحجم 8.4 بوصات

- **ناقل الحركة في وضع NEUTRAL (اللاتعشيق) -** عند وجود مفتاح التشغيل في وضع ON (التشغيل) وناقل الحركة الأوتوماتيكي في وضع NEUTRAL (اللاتعشيق)، لن يعمل نظام استشعار المطر حتى يتم تحريك مفتاح الماسحة أو تكون سرعة السيارة أكبر من 5 كم/ساعة (3 أميال/الساعة) أو يتم تحريك محدد التروس خارج وضع NEUTRAL (اللاتعشيق).

- **منع وضع بدء التشغيل عن بُعد -** في السيارات المزودة بنظام Remote Start (بدء التشغيل عن بُعد)، لن تعمل ماسحات استشعار المطر عندما تكون السيارة في وضع Remote Start (بدء التشغيل عن بُعد).

مفاتيح التحكم في درجة الحرارة

يسمح نظام التحكم في درجة الحرارة بتنظيم درجة الحرارة وتدفق الهواء واتجاه تدوير الهواء في جميع أنحاء السيارة. توجد عناصر التحكم في شاشة اللمس، على جانبي لوحة اللمس، أو في لوحة أجهزة القياس أسفل الراديو.

يمكن استخدام الوضعين الأول والثاني إذا رغب السائق في تقليل حساسية الماسحة. ويمكن استخدام الوضع الرابع إذا رغب السائق في زيادة درجة الحساسية. ضع مفتاح الماسحة في وضع O (إيقاف التشغيل) عند عدم استخدام النظام.

ملاحظة:

- لا تعمل ميزة استشعار المطر عند وجود مفتاح الماسحة في وضعي السرعة المنخفض أو المرتفع.
- قد لا تعمل ميزة استشعار المطر بشكل سليم عند وجود الثلج أو ماء الملح المجفف على الزجاج الأمامي.
- قد يؤدي استعمال منتجات تشتمل على الشمع أو السليكون إلى تقليل أداء مستشعر المطر.
- يمكن تشغيل أو إيقاف ميزة استشعار المطر باستخدام نظام Uconnect ٢٢٩. صفحة
- يحتوي نظام استشعار المطر على ميزات حماية للشفرات والأذرع، ولن يعمل في الظروف التالية:
- **انخفاض درجة الحرارة المحيطة -** عند وضع المفتاح في وضع ON (التشغيل) لأول مرة، لن يعمل نظام Rain Sensing (استشعار المطر) حتى يتم تحريك مفتاح الماسحة أو تكون سرعة السيارة أكبر من 5 كم/ساعة (3 أميال/الساعة) أو تكون درجة الحرارة الخارجية أكبر من 0 درجة مئوية (32 درجة فهرنهايت).

الرداذ

عند الحاجة لعمل دورة مسح واحدة لمسح الزجاج الأمامي من الندى أو من الرذاذ المتناثر من السيارات المارة، اضغط على مقبض الغاسلة الموجود في طرف ذراع التحكم متعدد الوظائف للداخل بصورة وجيزة، ثم حرره. سيتم تشغيل الماسحات دورة واحدة، ثم تتوقف عن التشغيل أوتوماتيكياً.

ملاحظة:

لا تقوم ميزة مسح الغبار بتشغيل مضخة الغاسلة ولذا فلن يتم رش أي سائل غاسلة على الزجاج الأمامي. يجب استخدام وظيفة الغاسلة لرش الزجاج الأمامي بسائل الغاسلة.

للمزيد من المعلومات حول العناية بالماسحات واستبدالها، انظر صفحة ٣٦٩.

ماسحات استشعار المطر - إذا كانت السيارة مزودة بذلك

تستشعر هذه الميزة الأمطار أو الثلوج الموجودة على الزجاج الأمامي وتقوم بتنشيط الماسحات أوتوماتيكياً. أدر طرف الذراع المتعدد الوظائف إلى أحد مواضع الحاسبة الأربعة لتنشيط هذه الميزة.

يمكن ضبط درجة حساسية النظام باستخدام الذراع متعدد الوظائف. يعتبر وضع تأخير الماسحة 1 هو الأقل حساسية للماسحة ووضع حاسبة تأخير الماسحة 4 هو الأعلى حساسية.

يجب استخدام وضع تأخير المساحة رقم ثلاثة في ظروف المطر العادية.

غاسلات الزجاج الأمامي

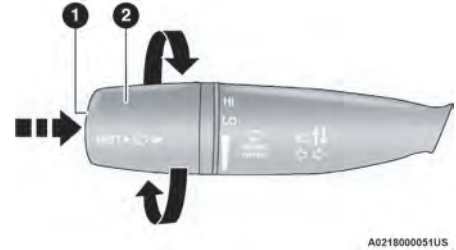
لاستخدام غاسلة الزجاج الأمامي، ادفع مقبض الغاسلة، الموجود في نهاية ذراع التحكم متعدد الوظائف، للداخل وثبته. سيتم رش سائل الغاسلة وستعمل الماسحات لدورتين أو ثلاث بعد تحرير مقبض الغاسلة.

عند الضغط على مقبض سائل الغسيل، ستعمل الماسحات لعدة ثوان بعد تحرير مقبض الغاسلة. وستستأنف بعد ذلك الفترة الفاصلة للحركة المتقطعة المحددة مسبقاً. وعند الضغط على مقبض الغاسلة وهو في موضع إيقاف التشغيل، ستعمل الماسحات وتدور ثلاث مرات تقريباً بعد تحرير مقبض الغاسلة.

لمنع تجمع نظام سائل غسيل الزجاج الأمامي في الطقس البارد، حدد محلولاً أو مزيجاً يطابق نطاق درجة الحرارة في منطقتك أو يزيد عنه. يمكن العثور على معلومات التصنيف هذه في معظم حاويات سائل الغاسلة.

تحذير!

إن فقدان وضوح الرؤية خلال الزجاج الأمامي بصورة مفاجئة يمكن أن يسبب حدوث تصادم. قد لا تستطيع رؤية السيارات أو الأشياء الأخرى. لتفادي تكون الجليد المفاجئ خلال الأيام الباردة سخن الزجاج الأمامي بواسطة مزيل الصقيع قبل وأثناء استعمال سائل تنظيف الزجاج.



ذراع ماسحة/غاسلة الزجاج الأمامي

- 1 — اضغط على الطرف إلى الداخل (اضغط باستمرار للغاسلة أو ضغطة قصيرة للوصول إلى الرداذ)
- 2 — التدوير لتشغيل الماسحة الأمامية

تشغيل ماسحة الزجاج الأمامي

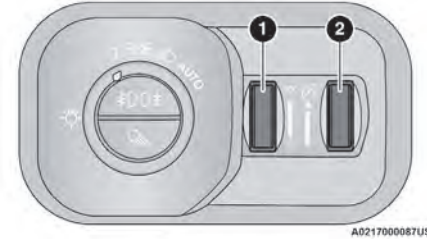
الماسحات المتقطعة

لقد تم تصميم ميزة الحركة المتقطعة لهذا النظام لاستخدامها عندما تجعل ظروف الطقس إجراء دورة مسح واحدة، مع وجود فترات فاصلة متغيرة بين دورات المسح، أمراً مرغوباً. للحصول على أقصى فترة مهلة بين الدورات، أدر مقبض التحكم لأعلى إلى الحاسبة الأولى.

تقل فترة المهلة الفاصلة عند إدارة المقبض حتى يدخل في وضع السرعة المنخفضة المستمر. يمكن التحكم في المهلة الزمنية لتتراوح من فترة قصوى تصل إلى 18 ثانية بين الدورات إلى دورة كل ثانية واحدة. تتضاعف فترات المهلة عندما تصل سرعة السيارة إلى 16 كم/ساعة (10 أميال/ساعة) أو أقل.

مفاتيح التحكم في تعتيم

مفاتيح التحكم في تعتيم الأضواء هي مفاتيح مدمجة ومجاورة لمفتاح الضوء الأمامي الموجود بالجانب الأيسر من لوحة أجهزة القياس.



مفاتيح التحكم في تعتيم

- 1 — مفتاح التحكم في الإضاءة المحيطة - (إذا كانت السيارة مزودة بذلك)
- 2 — مفتاح التحكم في تعتيم لوحة أجهزة القياس

تؤدي إدارة مفتاح تعتيم إضاءة لوحة أجهزة القياس إلى أعلى أثناء تشغيل مصابيح التوقف أو المصابيح الأمامية إلى زيادة شدة إضاءة أضواء لوحة أجهزة القياس. تؤدي إدارة مفتاح التحكم في تعتيم الإضاءة المحيطة إلى ضبط مستويات الإضاءة الداخلية والإضاءة الداخلية المحيطة عند إضاءة الأضواء الأمامية.

تعتيم شاشة اللمس بنظام Uconnect

يمكن تعتيم سطوع شاشة اللمس بنظام Uconnect باستخدام مفتاح التحكم في تعتيم إضاءة لوحة أجهزة القياس عند إضاءة أضواء التوقف أو الأضواء الأمامية.

عند ضبط Display Mode (وضع العرض) على Auto (أوتوماتيكي) يدخل نظام Uconnect، سيتم ضبط السطوع أوتوماتيكيًا من شدة النهار إلى شدة الليل (والعكس) وفقًا لمستويات الضوء المحيط خارج السيارة.

ملاحظة:

لا يمكن ضبط سطوع شاشة اللمس بنظام Uconnect عند إدارة مفتاح التحكم في تعتيم إضاءة لوحة أجهزة القياس إلى أقصى أعلى الحابسة، حتى عند ضبط Display Mode (وضع العرض) على AUTO (أوتوماتيكي) بداخل إعدادات نظام Uconnect.

عند ضبط Display Mode (وضع العرض) على Manual (يدوي)، سيتم ضبط سطوع شاشة اللمس بنظام Uconnect على السطوع المعين (1 - 6) عندما تكون الأضواء الأمامية قيد التشغيل أو إيقاف التشغيل. للحصول على مزيد من المعلومات حول إعدادات نظام Uconnect هذه، انظر صفحة ٢٢٩.

الإضاءة عند الدخول

تضيء أضواء الزينة عند استخدام حافظة المفاتيح لإلغاء قفل الأبواب أو لفتح أحد الأبواب. كما تقوم هذه الميزة بتشغيل مصابيح الاقتراب الموجودة أسفل المرايا الخارجية (إذا كانت السيارة مزودة بذلك).

ستخبو أضواء السيارة حتى تنطفئ تمامًا بعد 30 ثانية تقريبًا أو ستخبو حتى تنطفئ مباشرة بمجرد إدارة مفتاح التشغيل من وضع OFF (إيقاف التشغيل) إلى وضع ON/RUN (التشغيل/الانطلاق).

لن تنطفئ أضواء الزينة الأمامية في الكونسول العلوي الأمامي وأضواء الزينة في الباب إذا تم الضغط على زر Dome ON (تشغيل مصباح السقف) في الكونسول العلوي. ستنطفئ أضواء الزينة العلوية والموجودة في الباب بعد 10 دقائق عند وضع مفتاح التشغيل في وضع OFF (إيقاف التشغيل) لحماية البطارية.

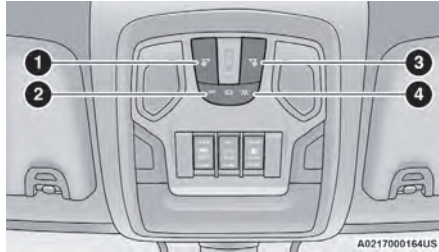
لن يتم تشغيل نظام الإضاءة عند دخول السيارة إذا تم الضغط على زر Dome Defeat (إلغاء مصباح السقف) في الكونسول العلوي.

ملاحظة:

إذا كانت سيارتك مزودة بمصابيح الاقتراب المضيئة أسفل المرايا الخارجية، فإنه يمكن إيقاف تشغيلها أيضًا بالضغط على زر Dome Defeat (إلغاء مصباح السقف).

ماسحات وغاسلات الزجاج الأمامي

تقع مفاتيح التحكم في ماسحة/غاسلة الزجاج الأمامي على ذراع التحكم متعدد الوظائف على الجانب الأيسر من عمود التوجيه. يتم تشغيل الماسحات الأمامية من خلال إدارة المفتاح الموجود عند نهاية الذراع.



أضواء القراءة/الدخول الأمامية

- 1 — زر تشغيل/إيقاف تشغيل مصباح القراءة للسائق
- 2 — زر إطفاء مصباح السقف
- 3 — زر تشغيل/إيقاف تشغيل مصابيح القراءة للراكب
- 4 — زر تشغيل مصباح السقف

تتوفر ثلاثة أنواع من مصابيح الزينة/ القراءة الخلفية في سيارتك.

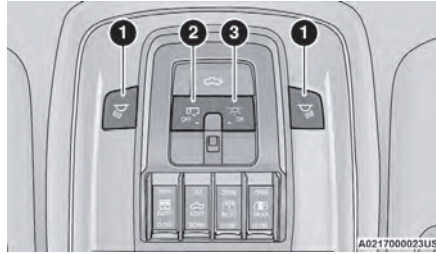
- اضغط على زر التشغيل/إيقاف التشغيل
- اضغط على زر تشغيل/إيقاف تشغيل العدسة
- اضغط على زر تشغيل/إيقاف تشغيل العدسة المستديرة (إذا كانت السيارة مزودة بسقف متحرك ذي لوحة مزدوجة)

ملاحظة:

ستظل مصابيح الزينة/القراءة مضاءة حتى يتم الضغط على المفتاح مرة أخرى؛ لذا تأكد من إطفائها قبل مغادرة السيارة. في حالة ترك الأضواء الداخلية مضاءة بعد إيقاف تشغيل المحرك، سيتم إطفائها أوتوماتيكيًا بعد 10 دقائق.

مصابيح الخرائط/القراءة الأمامية

يمكن أن تعمل مصابيح الكونسول العلوي أيضًا بشكل منفصل كمصابيح قراءة بالضغط على الأزرار المقابلة.



أضواء القراءة/الدخول الأمامية

- 1 — أزرار تشغيل/إيقاف تشغيل مصباح القراءة
- 2 — زر إطفاء مصباح السقف
- 3 — زر Dome ON (تشغيل مصباح السقف)

يتم إيقاف تشغيل المصابيح الأمامية أوتوماتيكيًا بعد ثماني دقائق عندما يكون مفتاح التشغيل في وضع OFF (إيقاف التشغيل).

ملاحظة:

يتم إلغاء وضع موفر طاقة البطارية في حال إدارة قرص التشغيل إلى وضع OFF (إيقاف التشغيل) مع وجود مفتاح المصباح الأمامي في وضع ضوء التوقف. سوف تظل مصابيح التوقف مضاءة وسيتم فقد طاقة بطارية السيارة.

الأضواء الداخلية

أضواء الزينة

يتم تشغيل مصابيح الزينة والسقف عند فتح الباب أو الضغط على زر Dome On (تشغيل مصباح السقف) في الكونسول العلوي. إذا كانت سيارتك مزودة بنظام فتح الأبواب عن بُعد من دون مفاتيح وتم الضغط على زر إلغاء القفل في حافظة المفاتيح، فسوف يتم تشغيل أضواء الدخول والسقف. عندما يكون أحد الأبواب مفتوحًا وتكون الإضاءة الداخلية في وضع التشغيل، وعند الضغط على زر Dome Defeat (إلغاء مصباح السقف) في الكونسول العلوي، سيتم إيقاف تشغيل الإضاءة الداخلية.

سيضيء ضوء منطقة الحمولة وأضواء السطح (إذا كانت السيارة مزودة بذلك) لمدة 60 ثانية تقريبًا عندما يتم الضغط على زر إلغاء القفل في حافظة المفاتيح، كجزء من ميزة الإضاءة عند دخول السيارة.

عند تنشيط هذه المصابيح باستخدام الزر الموجود في مفتاح الضوء الأمامي، ستبقى مصابيح منطقة الحمولة ومصابيح تمييز المقطورة ومصباح قضبان ربط المقطورة مضاءة عندما يكون ناقل الحركة في وضع التوقف (PARK)، أو اللاتعشيق (NEUTRAL)، أو الرجوع للخلف (REVERSE). وستنطفئ المصابيح عند نقل ناقل الحركة إلى وضع DRIVE (القيادة).

عند وضع السيارة في وضع REVERSE (الرجوع للخلف)، سيضيء مصباح قضبان ربط المقطورة أوتوماتيكيًا. وسينطفئ مصباح قضبان ربط المقطورة عند وضع السيارة في وضع DRIVE (القيادة).

ملاحظة:

ولن تتأثر أضواء السطح باختيار الترس.

موفر طاقة البطارية

يتم ضبط الموقتات للأضواء الداخلية والخارجية لحماية عمر بطارية السيارة.

بعد 10 دقائق، في حال ضبط مفتاح التشغيل على OFF (إيقاف التشغيل) وترك أي باب مفتوحًا أو تدوير مفتاح تعتيم الأضواء بالكامل إلى أعلى وضع، ستنطفئ الأضواء الداخلية أوتوماتيكيًا.

ملاحظة:

يتم إلغاء وضع موفر طاقة البطارية في حالة إدارة مفتاح التشغيل إلى وضع ON (التشغيل).



مصابيح منطقة الحمولة

عندما تكون السيارة متوقفة، فيمكن أيضًا إضاءة تلك المصابيح باستخدام المفتاح الموجود داخل صندوق البيك أب، في الجزء السفلي من عدسة ضوء السطح. يضيء مصباح تحذيري في شاشة عرض مجموعة أجهزة القياس عند تشغيل تلك الأضواء. يؤدي الضغط على المفتاح مرة ثانية إلى إيقاف تشغيل الأضواء.



مفتاح ضوء السطح (من دون RamBox)

LANE CHANGE ASSIST (مساعد

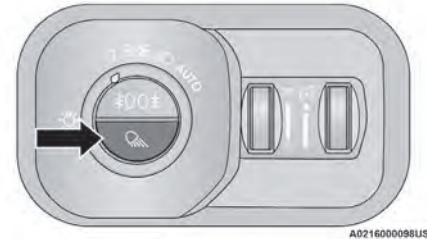
تغيير الحارة) - إذا كانت السيارة مزودة بذلك

اضغط قليلاً على ذراع التحكم متعدد الوظائف إلى الأعلى أو الأسفل، دون تجاوز الحابسة وستومض إشارة الانعطاف ثلاث مرات ثم ستتوقف أوتوماتيكيًا.

مصابيح منطقة الحمولة/مصابيح تمييز

المقطورة/مصباح قضبان ربط المقطورة مع مصابيح السطح — إذا كانت السيارة مزودة بذلك

يتم تشغيل مصباح منطقة الحمولة ومصابيح السطح ومصابيح تمييز المقطورة ومصباح قضبان ربط المقطورة بالضغط على زر مصابيح منطقة الحمولة الموجود في النصف السفلي من مفتاح الضوء الأمامي.



زر أضواء منطقة الحمولة/السطح في مفتاح الضوء الأمامي

وضغطه مرة رابعة سيلغي تنشيط أضواء الضباب الأمامية. يؤدي وضع مفتاح الضوء الأمامي في وضع الإيقاف أيضًا إلى تنشيط أضواء الضباب. يضيء ضوء مؤشر في مجموعة أجهزة القياس عند إضاءة أضواء الضباب.

ملاحظة:

تعمل أضواء الضباب عندما تكون المصابيح الأمامية ذات الضوء المنخفض أو مصابيح التوقف في وضع التشغيل. يؤدي اختيار الشعاع العالي للمصابيح الأمامية إلى إيقاف تشغيل أضواء الضباب.

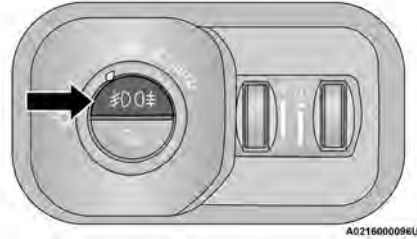
إشارات الانعطاف

انقل ذراع التحكم متعدد الوظائف لأعلى أو لأسفل لتنشيط إشارات الانعطاف. ستومض الأسهم الموجودة في كل جانب من جانبي شاشة أجهزة القياس لإظهار التشغيل الصحيح.

ملاحظة:

- إذا استمر أي من المصابيح مضاء دون أن يومض، في حالة زيادة معدل الوميض عن الحد المطلوب، فتأكد من عدم وجود أي خلل في مصابيح الإضاءة الخارجية.
- للحصول على معلومات حول مساعد النقطة العمياء المنشط بإشارة الانعطاف (في حالة تجهيزه)، انظر صفحة ١٩٤.

أضواء الضباب - إذا كانت السيارة مزودة بذلك
مفتاح ضوء الضباب مدمج في مفتاح الضوء الأمامي.



موقع مفتاح ضوء الضباب

أضواء الضباب الأمامية - إذا كانت السيارة مزودة بذلك
لتنشيط أضواء الضباب الأمامية (إذا لم تكن السيارة مزودة بأضواء الضباب الخلفية)، أدر مفتاح الضوء الأمامي إلى أي موضع غير O (إيقاف التشغيل) واضغط على النصف العلوي لمفتاح الضوء الأمامي. لإيقاف تشغيل أضواء الضباب الأمامية، عليك إما الضغط على النصف العلوي لمفتاح ضوء الضباب مرة ثانية أو إيقاف تشغيل مفتاح الضوء الأمامي.

أضواء الضباب الخلفية - إذا كانت السيارة مزودة بذلك
لتنشيط أضواء الضباب الخلفية، أدر مفتاح الضوء الأمامي إلى أي موضع غير O (إيقاف التشغيل). اضغط على النصف العلوي لمفتاح الأضواء الأمامية مرة واحدة لتنشيط أضواء الضباب الأمامية، واضغط المفتاح مرة ثانية لتنشيط أضواء الضباب الأمامية والخلفية. إن ضغط المفتاح مرة ثالثة سيلغي تنشيط أضواء الضباب الخلفية،

ملاحظة:

عندما تضيء الأضواء الأمامية أثناء النهار، تنخفض إضاءة مصابيح لوحة أجهزة القياس أوتوماتيكيًا إلى أقل مستوى ليلى.

مهلة تأخير إضاءة الضوء الأمامي

للمساعدة عند الخروج من السيارة، فإن ميزة مهلة تأخير إضاءة الضوء الأمامي ستترك الضوء الأمامي عاملاً لمدة تصل إلى 90 ثانية. وتبدأ هذه المهلة عند وضع مفتاح التشغيل في وضع OFF (إيقاف التشغيل) في أثناء تشغيل مفتاح الضوء الأمامي ثم إدارة مفتاح الضوء الأمامي إلى وضع إيقاف التشغيل. يمكن إلغاء تأخير إضاءة الضوء الأمامي عن طريق تشغيل مفتاح الأضواء الأمامية ثم إيقاف تشغيله أو عن طريق ضبط مفتاح التشغيل على وضع ON (التشغيل).

ملاحظة:

- يمكن برمجة هذه الميزة من خلال نظام Uconnect (صفحة ٢٢٩).
- يتم تنشيط ميزة تأخير إضاءة المصابيح الأمامية أوتوماتيكيًا إذا تم ترك مفتاح الضوء الأمامي في الوضع AUTO (الأوتوماتيكي) عند وضع مفتاح التشغيل في وضع OFF (إيقاف التشغيل).

التذكير عند ترك الأضواء مضاءة

في حالة ترك الأضواء الأمامية أو مصابيح التوقف أو مصابيح منطقة الحمولة مضاءة بعد وضع مفتاح التشغيل في وضع OFF (إيقاف التشغيل)، تنصدر إشارة صوتية عند فتح باب السائق.

التحكم الأوتوماتيكي في المصباح الأمامي ذي الضوء العالي — إذا كانت السيارة مزودة بذلك

يوفر نظام التحكم الأوتوماتيكي في المصباح الأمامي ذي الضوء العالي إضاءة أمامية أعلى ليلاً بالتحكم الأوتوماتيكي في الضوء العالي من خلال استخدام كاميرا رقمية مثبتة داخل مرآة الرؤية الخلفية الداخلية أو الكاميرا المركبة على الزجاج الأمامي. تكتشف تلك الكاميرات ضوءاً محدداً للسيارة وتقوم بالتبديل الأوتوماتيكي من الضوء العالي إلى الضوء المنخفض إلى أن تبتعد السيارة المقتربة عن الرؤية.

ملاحظة:

• يمكن تشغيل مفتاح التحكم في المصباح الأمامي ذي الضوء العالي أو إيقاف تشغيله عن طريق تحديد "ON" (تشغيل) من "Auto Dim High Beams" (الأضواء العالية أوتوماتيكية التعطيم) في إعدادات نظام Uconnect ➔ صفحة ٢٢٩، بالإضافة إلى تحويل مفتاح الضوء الأمامي إلى الوضع AUTO (أوتوماتيكي).

• المصابيح الأمامية والخلفية المكسورة أو المتسخة أو المعاقة في المركبات في مجال الرؤية تجعل المصابيح الأمامية تظل مضبوطة لفترة أطول (أقرب إلى المركبة). كما يتسبب أيضاً التراب والأوساخ والعوائق الأخرى على الزجاج الأمامي أو عدسة الكاميرا في عمل النظام بشكل غير سليم.

• إذا استبدلت مرآة الزجاج الأمامي أو التحكم الأوتوماتيكي في المصباح الأمامي ذو الضوء العالي، فيجب إعادة توجيه المرآة لضمان الأداء الصحيح. راجع الوكيل المعتمد المحلي.

• للخروج من وضع Advanced Auto High-Beam Sensitivity Control (التحكم في حساسية المصابيح الأوتوماتيكية العالية الضوء المتقدم) (الوضع الافتراضي) وللدخول إلى وضع Reduced High-Beam Sensitivity Control (التحكم في حساسية المصابيح العالية الضوء المنخفضة) (غير مُوصى به)، قم بتبديل ذراع الضوء العالي ست دورات تشغيل/إيقاف تشغيل كاملة خلال 10 ثوانٍ من إدارة مفتاح التشغيل إلى وضع ON (التشغيل). سيعود النظام إلى الإعداد الافتراضي عند إدارة مفتاح التشغيل إلى الوضع OFF (إيقاف التشغيل).

وميض التجاوز

يمكنك الإشارة بالمصابيح الأمامية بسيارتك إلى سيارة أخرى عن طريق جذب الذراع متعدد الوظائف ناحيتك قليلاً. سيتسبب ذلك في تشغيل الضوء الأمامي ذي الضوء العالي، ويظل مضبباً حتى يتم تحرير الذراع.

المصابيح الأمامية الأوتوماتيكية - إذا كانت السيارة مزودة بذلك

يقوم هذا النظام بإضاءة المصابيح الأمامية أو إطفائها أوتوماتيكياً بناءً على مستويات الإضاءة في الوسط المحيط بالسيارة. لتشغيل هذا النظام، أدر مفتاح الضوء الأمامي إلى الوضع AUTO (أوتوماتيكي).

عند تشغيل النظام؛ تعمل ميزة تأخير المصابيح الأمامية أيضاً. وهذا يعني أن المصابيح الأمامية لديك سوف تظل في حالة تشغيل لما يصل إلى 90 ثانية بعد وضع مفتاح

التشغيل على وضع OFF (إيقاف التشغيل). لإيقاف تشغيل المصابيح الأمامية الأوتوماتيكية، حرّك مفتاح الضوء الأمامي بعيداً عن وضع AUTO (أوتوماتيكي).

ملاحظة:

يجب أن يكون المحرك في حالة تشغيل قبل أن تعمل المصابيح الأمامية في الوضع الأوتوماتيكي.

مصابيح التوقف ومصابيح لوحة أجهزة القياس

لتشغيل مصابيح التوقف ومصابيح لوحة أجهزة القياس، قم بتدوير مفتاح المصباح الأمامي باتجاه عقارب الساعة. لإيقاف تشغيل مصابيح التوقف، قم بتدوير مفتاح الضوء الأمامي للخلف إلى وضع O (إيقاف التشغيل).

الأضواء الأمامية الأوتوماتيكية مع المساحات

إذا كانت سيارتك مزودة بمصابيح أوتوماتيكية، فإنها تحتوي أيضاً على هذه الميزة القابلة للبرمجة بواسطة العميل. عندما تكون الأضواء الأمامية في الوضع الأوتوماتيكي أثناء عمل المحرك، فستضيء أوتوماتيكياً عند تشغيل نظام المساحات. هذه الميزة قابلة للبرمجة من خلال نظام Uconnect ➔ صفحة ٢٢٩.

إذا كانت سيارتك مزودة بنظام مساحات استشعار المطر ➔ صفحة ٥٥، وتم تنشيطه، فستضيء المصابيح الأمامية أوتوماتيكياً بعد أن تكمل المساحات خمس دورات مسح خلال دقيقة واحدة. وسوف تنطفئ بعد أربع دقائق تقريباً من توقف المساحات تماماً.

مصباح التشغيل النهاري (DRLS)

تتم إضاءة أضواء النهار (DRL) عند تشغيل المحرك، وعدم تشغيل الأضواء المنخفضة. وتظل المصابيح مضاءة حتى تتم إدارة مفتاح التشغيل إلى وضع OFF (إيقاف التشغيل) أو وضع ACC (الملحقات) أو حتى يتم تعشيق فرامل التوقف.

ملاحظة:

- إذا كان القانون يسمح بذلك في البلد الذي تم فيه شراء السيارة، يمكن تشغيل أضواء النهار وإطفائها باستخدام نظام Uconnect ➔ صفحة ٢٢٩.
- قد يتم إلغاء تنشيط ضوء النهار على بعض السيارات أو قد تخف شدته على جانب واحد من السيارة (عندما تكون إشارة الانعطاف نشطة على ذلك الجانب) أو على جانبيها (عندما تكون مصابيح التحذير من الخطر نشطة).

مفتاح الضوء العالي/الضوء المنخفض

ادفع ذراع التحكم متعدد الوظائف في اتجاه لوحة أجهزة القياس لتحويل الأضواء الأمامية إلى الضوء العالي. سيؤدي سحب ذراع التحكم متعدد الوظائف إلى الخلف إلى تشغيل الأضواء المنخفضة.

تنبيه!

لا تستخدم مكونات تنظيف كاشطة أو مذيبيات أو صوف الفولاذ أو أي مواد كاشطة لتنظيف العدسات.

ملاحظة:

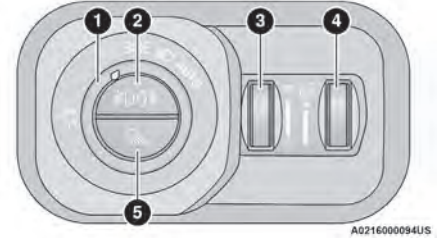
- سيارتك مزودة بعدسات بلاستيك للضوء الأمامي وضوء الضباب (إذا كانت السيارة مزودة بذلك) تتميز بخفة وزنها وحساسيتها الأقل لارتطام الأحجار مقارنة بالمصابيح التي تصنع من الزجاج. يختلف مستوى مقاومة البلاستيك للخدش عن الزجاج، وبالتالي يجب اتباع إجراءات تنظيف أخرى للعدسات.
- لتقليل احتمال خدش العدسات وبالتالي تقليل معدل الضوء الخارج، تجنب مسح العدسات بقطعة قماش جافة. لإزالة أوساخ الطريق، اغسل العدسات بمحلول صابون لطيف ثم أشطفها بالماء.

ذراع التحكم متعدد الوظائف

يوجد ذراع التحكم متعدد الوظائف في الجانب الأيسر من عمود التوجيه.



ذراع التحكم متعدد الوظائف



مفتاح الضوء الأمامي

- 1 — أدر مفتاح التحكم في المصابيح الأمامية
- 2 — الضغط على مفتاح ضوء الضباب الأمامي/ الخلفي
- 3 — مفتاح التحكم في تعتيم الإضاءة المحيطة
- 4 — مفتاح التحكم في تعتيم لوحة أجهزة القياس
- 5 — الضغط على مفتاح ضوء منطقة الحمولة

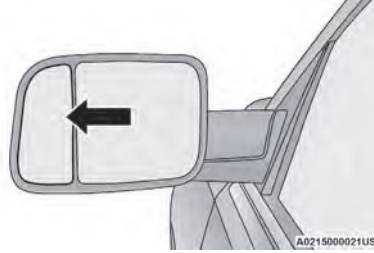
لتشغيل الأضواء الأمامية، قم بتدوير مفتاح الضوء الأمامي باتجاه عقارب الساعة. عند تشغيل مفتاح الضوء الأمامي، يتم أيضًا تشغيل مصابيح التوقف ومصابيح المؤخرة. ومصابيح لوحة الترخيص ومصابيح لوحة أجهزة القياس. لإيقاف تشغيل الأضواء الأمامية، قم بتدوير مفتاح الضوء الأمامي للخلف إلى وضع O (إيقاف التشغيل).

الأضواء الخارجية

مفتاح المصباح الأمامي


يوجد مفتاح الضوء الأمامي على الجانب الأيسر من لوحة أجهزة القياس. يتحكم هذا المفتاح في تشغيل الأضواء الأمامية، وأضواء التوقف والأضواء الأمامية الأوتوماتيكية (إذا كانت السيارة مزودة بذلك)، وتعتيم ضوء لوحة أجهزة القياس، وضوء منطقة الحمولة/أضواء تمييز المقطورة (إذا كانت السيارة مزودة بذلك)، وأضواء الضباب (إذا كانت السيارة مزودة بذلك).

من أجل موديلات **TRX**: كما يتحكم مفتاح الضوء الأمامي في مصابيح الخلوص ومصابيح التحديد الأمامية والخلفية. ستضيء مصابيح الخلوص ومصابيح التحديد الأمامية والخلفية عندما يكون المفتاح في وضع **On** (التشغيل) أو **AUTO** (أوتوماتيكي) أو وضع مصابيح التوقف. يتم تنشيط هذه المصابيح للسماح للسائقين الآخرين بتحديد مكان السيارة والتعرف عليها.



مرآة المنطقة غير الظاهرة

المرايا المُسخنة — إذا كانت السيارة مزودة بذلك

يتم تسخين هذه المرايا لإذابة الجليد أو الصقيع. سيتم تنشيط هذه الميزة في كل مرة يتم فيها تشغيل مزيل الصقيع بالزجاج الخلفي (إذا كانت السيارة مزودة بذلك)  صفحة ٥٦.

ملاحظة:

يمكن تركيب زجاج كهروضوئي (EC) في المرايا، إذا كانت مزودة بها. قد يذوب تجميد الزجاج الكهروضوئي بشكل أبطأ من الزجاج العادي بسبب سمك المادة.

مرايا سحب المقطورة - إذا كانت السيارة مزودة بذلك

تم تصميم هذه المرايا بحيث يتم تزويدها برأس مرآة قابلة للضبط لتوفير نطاق رؤية أكبر عند سحب أحمال كبيرة الحجم للغاية. ولتغيير الموضع للداخل أو الخارج، ينبغي تدوير رأس المرآة (قلبها إلى الداخل أو الخارج).

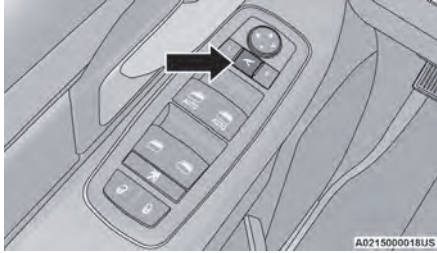


وضع سحب المقطورة

ملاحظة:

اطو مرايا قطر المقطورة قبل الدخول إلى مغسلة أوتوماتيكية للسيارات.

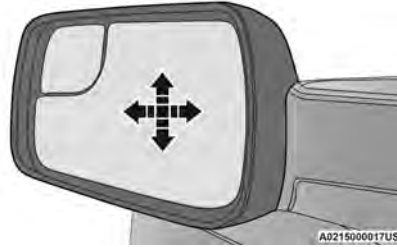
توجد مرآة للمنطقة غير الظاهرة بجوار المرآة الرئيسية ويمكن ضبطها يدوياً.



مفتاح طي المرآة الكهربائي

إعادة ضبط طي المرايا الخارجية التي يتم طيها كهربياً
قد تحتاج إلى إعادة ضبط المرايا التي يتم طيها كهربياً في
حالة حدوث ما يلي:

- تمت إعاقة المرايا دون قصد عند طيها.
 - طي/فرد المرايا يدوياً بدون قصد (باليد أو بالضغط على
مفتاح المرآة التي يتم طيها كهربياً).
 - خرجت المرايا من الوضع الذي تكون فيه غير مطوية.
 - اهتزاز المرايا وتأرجحها في سرعات القيادة العادية.
- لإعادة ضبط المرايا التي يتم طيها كهربياً: يمكن طيها
وفردها بالضغط على الزر (قد يتطلب هذا عدة محاولات).
سيعمل هذا على إعادة ضبطها على وضع القيادة العادي.



تحريك المرآة العاملة بالطاقة

يمكن التحكم في أوضاع المرآة العاملة بالطاقة والتي تم
تحديد مسبقاً بواسطة الميزة الاختيارية لإعدادات ذاكرة
السائق ٣٤.

المرايا الخارجية التي يتم طيها كهربياً - إذا
كانت السيارة مزودة بذلك

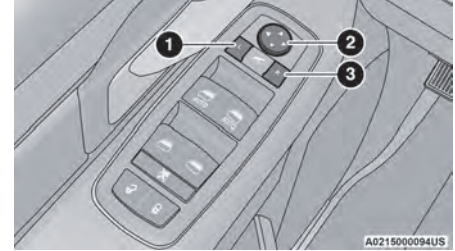
يمكن طي المرايا العاملة بالطاقة إلى الخلف وفتحها إلى
وضع القيادة العادي.

يوجد مفتاح طي المرايا العاملة بالطاقة بين مفتاحي المرآة
العاملة بالطاقة L (الأيسر) و R (الأيمن). اضغط على
المفتاح مرة واحدة لطي المرايا للدخول واضغط عليه مرة
أخرى لتعود المرايا إلى وضع القيادة العادي.

في حالة طي المرايا يدوياً بعد دورة بالطاقة، فقد يتطلب
الامر ضغطاً إضافية على الزر لإعادة المرايا مرة أخرى
إلى وضع القيادة العادي. وفي حال لم تطو المرايا تلقائياً،
تحقق من تراكب الجليد أو الأوساخ في منطقة المحور والتي
قد تتسبب في سحب زائد.

المرايا العاملة بالطاقة

مفتاح المرآة العاملة بالطاقة موجود على لوحة كسوة باب
السائق.



مفاتيح تحكم المرآة الكهربائية

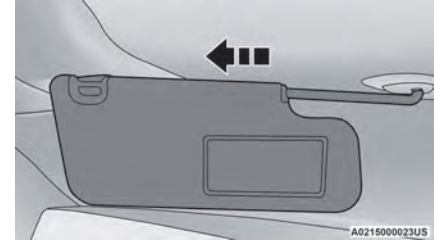
- 1 — اختيار المرآة اليسرى
- 2 — مفتاح التحكم في اتجاه المرايا
- 3 — Right Mirror Selection (تحديد المرآة اليمنى)

تتكون مفاتيح تحكم المرآة العاملة بالطاقة من أزرار اختيار
المرآة ومفتاح رباعي الاتجاه للتحكم في المرآة. لضبط
إحدى المرايا، اضغط على زر تحديد المرآة الخاص
بالمرآة التي تريد ضبطها. باستخدام مفتاح التحكم في
المرآة، اضغط على أحد الأسهم الأربعة لتحديد الاتجاه
الذي تريد تحريك المرآة إليه.

مزايا التحريك على الحامل الخاصة بحاجب الشمس — إذا كانت السيارة مزودة بذلك

تتيح ميزة التحريك على الحامل في حاجب الشمس مزيدًا من المرونة في وضع حاجب الشمس لحجب أشعة الشمس.

1. قم بطي واقي الشمس لأسفل.
2. قم بفك الحاجب من مشبك الزاوية.
3. أدر واقي الشمس في اتجاه النافذة الجانبية.
4. قم بتمديد واقي الشمس لحجب الشمس بصورة إضافية.



تمديد التحريك على الحامل

ملاحظة:

كما يمكن تمديد واقي الشمس عندما يكون واقي الشمس أمام الزجاج الأمامي للحصول على حجب إضافي للشمس من خلال الجزء الأمامي للسيارة.

المرايا الخارجية

يمكن ضبط المرايا الخارجية إلى منتصف حارة السير المجاورة لتحقيق أفضل مستوى من الرؤية.

ملاحظة:

إذا كانت سيارتك مزودة بمصابيح الإضاءة السفلية أسفل المرايا الخارجية، فيمكن إيقاف تشغيلها من خلال نظام Uconnect ➔ صفحة ٢٢٩.

تحذير!

تبدو السيارات والأشياء الأخرى التي تراها في المرآة الخارجية المحدبة أصغر وأبعد مما هي عليه بالفعل. إن الاعتماد كثيرًا على المرايا الجانبية المحدبة قد يؤدي إلى ارتطامك بسيارات أو أشياء أخرى. استخدم المرآة الداخلية للتأكد من حجم أو بعد السيارة التي تراها في المرآة الجانبية المحدبة.

ميزة طي المرايا الخارجية

إن جميع المرايا الخارجية مزودة بمفصلة ويمكن تحريكها إلى الأمام أو الخلف لنفاذ تلفها. تحتوي المفصلات على ثلاث مواضع للحماية:

- الوضع الأمامي الكامل
- الوضع الخلفي الكامل
- الوضع العادي

تنبيه!

نوصي بطي المرايا للخلف بالكامل للحيلولة دون تلفها عند دخول مغسلة السيارات أو دخول مكان ضيق.

مرايا التعتيم الأوتوماتيكي الخارجية - إذا كانت السيارة مزودة بذلك

تعتم المرأة الخارجية أوتوماتيكيًا لتقليل شدة ضوء المصابيح الأمامية للسيارات القادمة من الخلف. يتم التحكم في هذه الميزة بواسطة مرآة التعتيم الأوتوماتيكي الداخلية. تضبط المرايا الخارجية أوتوماتيكيًا لتقليل شدة ضوء المصابيح الأمامية عند ضبط المرأة الداخلية.

المرايا الخارجية المزودة بإشارات انعطاف وأضواء اقتراب — إذا كانت السيارة مزودة بذلك

تحتوي المرايا الخارجية للسائق والراكب المزودة بإشارات انعطاف وأضواء اقتراب على مصابيح LED، والتي توجد في الزاوية الخارجية السفلى من كل مرآة.

مصابيح LED الخارجية عبارة عن مؤشرات لإشارة الانعطاف، والتي تومض مع أضواء إشارات الانعطاف المتوافقة في مقدمة السيارة ومؤخرتها. وسوف يؤدي تشغيل وامضات التحذير من الخطر إلى تنشيط مصابيح LED هذه أيضًا.

إن إضاءة الاقتراب، التي تُضيء في كلتا المرأتين عندما تستخدم حافظة المفاتيح أو تفتح أي باب، توجد على الجانب السفلي من المرأة.

ستخبو أضواء الدخول حتى تنتطفئ تمامًا بعد مرور 30 ثانية تقريبًا أو أنها ستنتطفئ مباشرة بمجرد وضع مفتاح التشغيل في الوضع ON/RUN (التشغيل/الانطلاق).

ملاحظة:

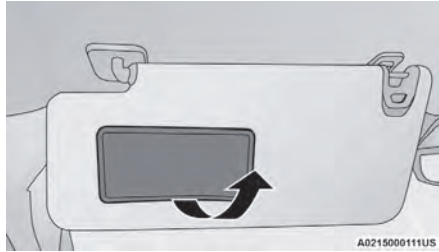
لن تعمل أضواء الاقتراب عند تحريك محدد التروس خارج وضع PARK (التوقف).

ملاحظة:

ولا تكون المرآة الرقمية للرؤية الخلفية على قدر عالٍ من الفعالية في أثناء القيادة الليلية في ظروف الإضاءة المنخفضة بسبب مستويات الإضاءة المحيطة المنخفضة. في حال تزويد المستخدم برؤية أقل من المتوقع، يمكن إرجاع المرآة إلى وضع مرآة التعتيم الأوتوماتيكي العاكسة العادي بالضغط على مفتاح التحكم/التبديل للأمام في السيارة ووضع المرآة في وضع مرايا التعتيم الأوتوماتيكي.

مرآة الزينة المضاءة

للوصول إلى مرآة زينة مضاءة، اقلب أحد الواقيين وارفع الغطاء.



ارفع الغطاء للوصول إلى المرآة المضئنة

**المرآة الرقمية للرؤية الخلفية**

- 1 — مفتاح التحكم في/التبديل بين التشغيل/ إيقاف التشغيل
- 2 — زر Menu (القائمة)
- 3 — زر التمرير إلى اليسار
- 4 — زر التمرير إلى اليمين

اضغط على زر القائمة الموجود إلى جوار مفتاح التحكم في/التبديل بين التشغيل/ إيقاف التشغيل للوصول إلى خيارات المرآة التالية:

- السطوع
- الإمالة

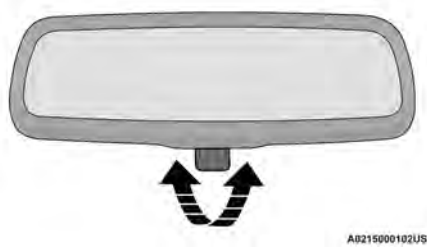
استخدم أزرار اليسار واليمين للتمرير بين خيارات القائمة. عند عدم استخدام المرآة، ادفع مفتاح التشغيل/ إيقاف التشغيل للأمام باتجاه الزجاج الأمامي لإعادتها إلى الوضع العادي لمرآة التعتيم الأوتوماتيكي.

**مرآة التعتيم الأوتوماتيكي****تنبيه!**

لتفادي تلف المرآة أثناء التنظيف لا ترش السائل مباشرة على المرآة أبدًا. بل رش السائل المنظف على قطعة قماش نظيفة وامسح المرآة.

المرآة الرقمية للرؤية الخلفية — إذا كانت السيارة مزودة بذلك

توفر المرآة الرقمية للرؤية الخلفية رؤية عالية الدقة وواسعة وغير معاقة للطريق خلف السيارة في أثناء القيادة. ضع المرآة في وضع مرآة التعتيم الأوتوماتيكي العادي، ثم قم بتنشيط وضع مرآة الرؤية الخلفية الرقمية. لتنشيط المرآة الرقمية للرؤية الخلفية، ادفع ذراع التحكم في التشغيل/ إيقاف التشغيل الموجود أسفل المرآة المتجهة للخلف في اتجاه السائق.



ضبط مرآة الرؤية الخلفية

مرآة التعتيم الأوتوماتيكي — إذا كانت السيارة مزودة بذلك

يمكن ضبط مرآة الرؤية الخلفية لأعلى ولأسفل وللليسار والليمين. يجب ضبط المرآة لتوسيط الرؤية من خلال النافذة الخلفية.

تنضبط هذه المرآة أوتوماتيكيًا لتقليل الضوء الذي تسببه السيارات من الخلف.

ملاحظة:

يتم تعطيل ميزة مرآة التعتيم الأوتوماتيكي عندما تكون السيارة في وضع REVERSE (الرجوع للخلف) لتحسين رؤية السائق.

يمكن تشغيل ميزة التعتيم الأوتوماتيكي أو إيقاف تشغيلها من خلال شاشة للمس.

تحذير!

- لا تضبط الدواسات أثناء تحرك السيارة. من الممكن أن تفقد السيطرة على السيارة مما يعرضك للحوادث. ولذلك، اضبط الدواسات دائمًا أثناء توقف السيارة.
- لا تسمح بوضع أي شيء قد يعيق حركة الدواسات القابلة للضبط أسفلها. قد يؤدي عدم اتباع هذا التحذير إلى حدوث تداخل مع دواسة الوقود أو دواسة الفرامل أو دواسة القابض ويتسبب في تلف الدواسات أو فقدان التحكم، ما قد يؤدي إلى التعرض لإصابة خطيرة أو الوفاة.

المرآا

مرآة الرؤية الخلفية الداخلية

المرآة اليدوية — إذا كانت السيارة مزودة بذلك

يمكن ضبط رأس المرآة لأعلى ولأسفل وللليسار والليمين. يجب ضبط المرآة لتوسيط الرؤية من خلال النافذة الخلفية.

يمكن تقليل شدة ضوء المصابيح الأمامية للسيارات من الخلف وذلك بتحريك زر التحكم الصغير الموجود تحت المرآة إلى وضع الليل (بسحبها باتجاه مؤخرة السيارة). ويجب ضبط المرآة عند إرجاعها إلى وضع النهار (باتجاه الزجاج الأمامي).

لا يمكن ضبط الدواسات عندما تكون السيارة في وضع REVERSE (الرجوع للخلف) أو عند تشغيل نظام التحكم في السرعة أو وحدة التحكم في السرعة الثابتة المهايئة. في حال وجود محاولة لضبط الدواسات عندما يكون النظام مقفلاً، فستظهر إحدى الرسائل التالية (في السيارات المزودة بمجموعة أجهزة القياس):

- Adjustable Pedal Disabled — Cruise Control Engaged (تم تعطيل الدواسة القابلة للضبط — نظام التحكم في السرعة الثابتة قيد التشغيل)
- Adjustable Pedals Unavailable — Vehicle in Reverse (الدواسات القابلة للضبط غير متوفرة — السيارة في وضع الرجوع للخلف)

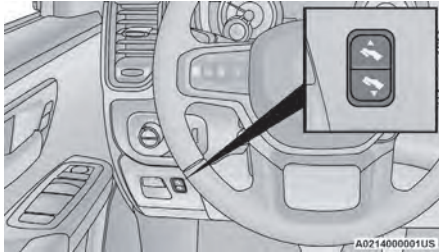
ملاحظة:

- قم دومًا بضبط الدواسات إلى وضع يتيح الحركة الكاملة للدواسة.
- قد يكون من الضروري إجراء بعض عمليات الضبط الصغيرة للتعرف على أفضل وضع للمقعد/الدواسة.
- بالنسبة إلى السيارات المزودة بإعدادات ذاكرة السائق (صفحة ٣٤)، يمكنك استخدام حافظات المفاتيح أو مفتاح الذاكرة على لوحة كسوة باب السائق لإعادة الدواسات القابلة للضبط إلى الأوضاع المحفوظة.

دواسات السائق القابلة للضبط - إذا كانت السيارة مزودة بذلك

تم تصميم نظام الدواسات القابلة للضبط لإتاحة قدر أكبر من الراحة للسائق فيما يتعلق بإمالة عجلة القيادة ووضع المقعد. تتيح هذه الميزة تحريك دواسات الفرامل والوقود باتجاه السائق أو بعيداً عنه بما يوفر وضْعاً أفضل بالنسبة لعجلة القيادة.

يوجد مفتاح الدواسة القابل للضبط على لوحة أجهزة قياس أسفل مفتاح الضوء الأمامي.



مفتاح الدواسات القابلة للضبط



أزرار الأوامر الصوتية بنظام Uconnect

1 — بالنسبة إلى نظام Uconnect 5/5 NAV بالسيارات المزودة بميزة الملاحة: اضغط على زر Phone (الهاتف) لبدء تشغيل وظائف الراديو، والوسائط، والملاحة، وضبط درجة الحرارة، وبذء مكالمة هاتفية أو الرد عليها، وإرسال رسالة نصية أو تلقيها

1 — بالنسبة إلى نظام Uconnect 5/5 NAV بالسيارات غير المزودة بميزة الملاحة: اضغط على زر الهاتف للرد على مكالمة هاتفية واردة

2— اضغط على زر إنهاء المكالمة لإنهاء المكالمة الجارية

المعلومات الإضافية

حقوق النشر © لعام 2023 لصالح FCA. جميع الحقوق محفوظة. تُعد Mopar وUconnect علامتين تجاريتين مسجلتين، كما أن Mopar Owner Connect هي علامة تجارية لشركة FCA.

البدء

يُستخدم زر VR (التعرف على الصوت) لتنشيط/إلغاء تنشيط نظام التعرف على الصوت لديك.

تلميحات مفيدة لاستخدام ميزة التعرف على الصوت:

1. تفضل بزيارة UconnectPhone.com للتحقق من توافق الجهاز والميزة وللعثور على تعليمات إقران الهاتف.

2. تقليل الضوضاء الموجودة في الخلفية. صوت الرياح ومحادثات الركاب أمثلة على الضوضاء التي قد تؤثر على ميزة التعرف.

3. التحدث بوضوح بنبرة عادية وبمستوى صوت عادي مع الاتجاه إلى الأمام بشكل مستقيم. الميكروفون موجود في البطانة العلوية وموجه نحو السائق.

4. في كل مرة تقوم فيها بإعطاء أمر صوتي، يجب عليك ألا ضغط زر VR (التعرف على الصوت) أو الهاتف، انتظر حتى بعد سماع الصافرة ثم قل الأمر الصوتي. كما يمكنك أيضاً قول كلمة "تنشيط" السيارة ثم قول الأمر. بعض الأمثلة على كلمات "التنشيط":

"Hey Uconnect" (مرحباً Uconnect) أو "Hey Ram" (مرحباً Ram).

5. يمكنك مقاطعة رسالة التعليمات أو مطالبات النظام عن طريق الضغط على زر VR (التعرف على الصوت) أو الهاتف ونطق أمر صوتي من الفئة الحالية.

إذا رأيت رمز NAV (الملاحه) في الشريط السفلي، أو في قائمة Apps (التطبيقات)، بشاشة اللمس بحجم 8.4 بوصات، فهذا يعني أن لديك نظام Uconnect 5 NAV. وإذا لم يظهر، فهذا يعني أن لديك نظام Uconnect 5 المزود بشاشة عرض بحجم 8.4 بوصات.

الأوامر الصوتية الأساسية

يمكن إعطاء الأوامر الصوتية الأساسية التالية في أي وقت أثناء استخدام نظام Uconnect.

اضغط على زر VR (التعرّف على الصوت) أو بالنسبة إلى نظام NAV 5/5 Uconnect، يمكنك قول كلمة "Wake Up" (التنشيط) أو "Hey Uconnect" (مرحبًا Uconnect) للسيارة. بعد سماع الصافرة، قل:

- "Cancel (إلغاء)" لإيقاف جلسة صوتية حالية.
- "Help (مساعدة)" لسماع قائمة بالأوامر الصوتية المقترحة.
- "Repeat (تكرار)" للاستماع إلى مطالبات النظام مرة أخرى.

لاحظ الإشارات المرئية التي تخبرك بحالة نظام التعرف على الصوت.

ملاحظة:

في أنظمة Uconnect 5، يتم تعيين كلمة "Wake Up" (التنشيط) الافتراضية للمصنع على "Hey Uconnect" (مرحبًا Uconnect) ويمكن إعادة برمجتها من خلال إعدادات نظام Uconnect.

تحذير!

قد يؤدي الجلوس في مقعد تم خفض مسند الرأس الخاص به إلى إصابات خطيرة أو الوفاة في حالة حدوث تصادم. تأكد دائمًا من أن مساند الرأس الخارجية في وضع مستقيم قبل الجلوس في المقعد.

مسند الرأس الأوسط غير قابل للضبط أو للإزالة.

ملاحظة:

يجب ألا يتم خلع مساند الرأس إلا بواسطة فنيين مؤهلين ولتنفيذ أعراض الخدمة فقط. عند الحاجة إلى فك أي من مساند الرأس، راجع الوكيل المعتمد. من أجل ربط نظام تثبيت الأطفال، انظر صفحة ٣٠٤.

التعرف على الصوت بنظام UCONNECT - إذا كانت السيارة مزودة بذلك

التعرّف على الصوت

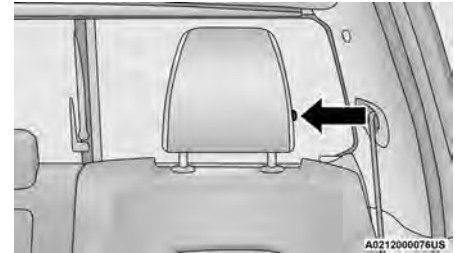
ابدأ باستخدام ميزة التعرف على الصوت بنظام Uconnect مع هذه التلميحات السريعة المفيدة. وهي توفر الأوامر الصوتية الأساسية والتلميحات التي تحتاج إلى معرفتها للتحكم بنظام التعرف على الصوت في سيارتك. لا يتوفر هذا النظام إلا على نظام Uconnect 5 المزود بشاشة عرض مقاس 8.4 بوصات ونظام Uconnect 5 NAV المزود بشاشة عرض مقاس 12 بوصة.

تحذير!

- ينبغي على جميع الركاب، بمن فيهم السائق، عدم تشغيل السيارة أو الجلوس في أحد مقاعدها إلا عند وضع مساند الرأس في مواضعها المناسبة كي يتم تقليل خطر إصابة العنق في حالة وقوع تصادم.
- يجب عدم ضبط مساند الرأس مطلقًا أثناء حركة السيارة. قد ينجم عن قيادة السيارة مع إزالة مساند الرأس أو ضبطها بطريقة خاطئة إلى إصابة خطيرة أو الوفاة في حالة وقوع حادث.

مساند الرأس الخلفية

مساند الرأس الطرفية غير قابلة للضبط، ولكن يمكن طيها لأسفل لتحسين الرؤية الخلفية. اضغط على الزر الموجود على الجانب الخارجي من مسند الرأس لتحريره. لإعادة مسند الرأس إلى الوضع المستقيم، ادفع على مسند الرأس لأعلى حتى يثبت في مكانه.



زر التحرير



الوضع المستقيم



الضبط للأمام

ملاحظة:

إذا كانت سيارتك مزودة بمقعد أمامي طويل، فإنه لا يمكن ضبط مسند الرأس الأوسط أو إزالته.

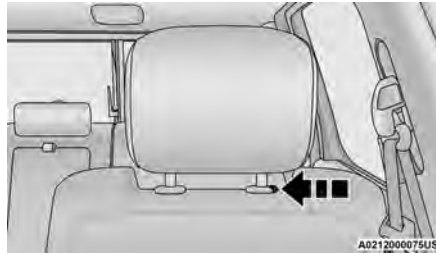
مساند الرأس الأمامية

سيارتك مجهزة بمساند رأس أمامية للسائق والراكب قابلة للضبط في أربعة أوضاع.

لرفع مسند الرأس، اسحبه إلى الأعلى. لخفض مسند الرأس، اضغط على زر الضبط الموجود في قاعدة مسند الرأس وادفع مسند الرأس إلى الأسفل.

ملاحظة:

يجب ألا يتم خلع مساند الرأس إلا بواسطة فنيين مؤهلين ولتنفيذ أعراس الخدمة فقط. عند الحاجة إلى فك أي من مساند الرأس، راجع الوكيل المعتمد.



موقع زر ضبط مسند الرأس

لضبط مسند الرأس للأمام، اسحب الجزء العلوي من مسند الرأس في اتجاه مقدمة السيارة حسب الحاجة وحرره.

لضبط مسند الرأس للخلف، اسحب الجزء العلوي من مسند الرأس إلى أقصى وضع إلى الأمام وحرره. سيعود مسند الرأس إلى أقصى وضع إلى الخلف.

خطاطيف تثبيت حقائب البقالة البلاستيكية - إذا كانت السيارة مزودة بذلك

توجد خطاطيف تثبيت تقوم بحجز مقابض حقائب البقالة البلاستيكية مركبة على الجانب السفلي من وسادة المقعد الخلفي. للوصول إلى تلك الخطاطيف، ارفع وسادة المقعد الخلفي لأعلى.

مساند الرأس

مساند الرأس مصممة لتقليل مخاطر الإصابة عن طريق تقييد حركة الرأس في حالة حدوث تصادم خلفي. يجب ضبط مساند الرأس بحيث يكون مسند الرأس أعلى أذنيك.

تحذير!

- ينبغي على جميع الركاب، بمن فيهم السائق، عدم تشغيل السيارة أو الجلوس في أحد مقاعها إلا عند وضع مساند الرأس في مواضعها المناسبة كي يتم تقليل خطر إصابة العنق في حالة وقوع تصادم.
- يجب عدم ضبط مساند الرأس مطلقاً أثناء حركة السيارة. قد ينجم عن قيادة السيارة مع إزالة مساند الرأس أو ضبطها بطريقة خاطئة إلى إصابة خطيرة أو الوفاة في حالة وقوع حادث.

ملاحظة:

لا تعكس مساند الرأس (أي جعل الجزء الخلفي من مسند الرأس للأمام) في محاولة للحصول على خلوص إضافية إلى الجزء الخلفي من الرأس.

- اضغط على زر المقعد المزود بفتحات تهوية مرة أخرى لاختيار MED (متوسطة).
- اضغط على زر المقعد المزود بفتحات تهوية مرة ثالثة لاختيار LO (منخفضة).
- اضغط على زر المقعد المزود بفتحات تهوية مرة رابعة لإيقاف تشغيل التهوية.

ملاحظة:

يجب أن يكون المحرك في وضع التشغيل لكي تعمل المقاعد المزودة بالتهوية.
للمزيد من المعلومات حول استخدام نظام بدء التشغيل عن بُعد، انظر ٢٧ صفحة.

المقاعد الخلفية المزودة بفتحات التهوية - إذا كانت السيارة مزودة بذلك

إذا كانت السيارة مزودة بذلك، فستتضمن المقاعد الخلفية الخارجية مقاعد ذات فتحات تهوية. توجد مفاتيح التحكم في المقاعد الخلفية المزودة بفتحات تهوية في الجزء الخلفي من الكونسول المركزي.



تعمل المرواح بثلاث سرعات: HI (مرتفعة)، وMED (متوسطة)، وLO (منخفضة). اضغط على أزرار المقاعد المزودة بفتحات تهوية للتحويل بين السرعات أو لإيقاف تشغيل الميزة.

ملاحظة:

يجب أن يكون المحرك في وضع التشغيل لكي تعمل المقاعد المزودة بالتهوية.

يمكنك الاختيار من إعدادات التسخين HI (عالٍ) أو MED (متوسط) أو LO (منخفض) أو OFF (إيقاف التشغيل). تشير أضواء المؤشر بكل مفتاح إلى مستوى الحرارة المستخدم.

- اضغط على زر المقعد المسخن مرة واحدة لتشغيل الإعداد HI (عالٍ).
- اضغط على زر المقعد المسخن مرة ثانية لتشغيل الإعداد MED (متوسط).
- اضغط على زر المقعد المسخن مرة ثالثة لتشغيل الإعداد LO (منخفض).
- اضغط على زر المقعد المسخن مرة رابعة لإيقاف تشغيل عناصر التسخين.

ملاحظة:

سيظل مستوى سخونة المحدد في وضع التشغيل حتى يقوم المشغل بتغييره.

المقاعد المزودة بالتهوية - إذا كانت السيارة مزودة بذلك

المقاعد الأمامية المزودة بفتحات تهوية

- يمكن العثور على أزرار التحكم في المقعد المزودة بفتحات تهوية في المجموعة الوسطى أسفل شاشة الراديو، أو ضمن نظام Uconnect. تعمل المرواح بثلاث سرعات: HI (مرتفعة)، وMED (متوسطة) وLO (منخفضة).
- اضغط على زر ventilated seat (المقعد المزود بفتحات تهوية) مرة واحدة لاختيار HI (عالٍ).



- اضغط على زر المقعد المسخن مرة واحدة لتشغيل الإعداد HI (عالٍ).
- اضغط على زر المقعد المسخن مرة ثانية لتشغيل الإعداد MED (متوسط).
- اضغط على زر المقعد المسخن مرة ثالثة لتشغيل الإعداد LO (منخفض).
- اضغط على زر المقعد المسخن مرة رابعة لإيقاف تشغيل عناصر التسخين.

ملاحظة:


- ويمكن الشعور بالحرارة بمجرد اختيار إعداد تسخين في غضون دقيقتين إلى خمس دقائق.
- يجب أن يكون المحرك في وضع التشغيل لكي تعمل المقاعد المسخنة.
- سيظل مستوى السخونة المحدد في وضع التشغيل حتى يقوم المشغل بتغييره.
- للمزيد من المعلومات حول استخدام نظام بدء التشغيل عن بُعد، انظر ٢٧ صفحة.

المقاعد الخلفية المسخنة - إذا كانت السيارة مزودة بذلك

في بعض الطرز، قد يتم تزويد المقعدين الخلفيين بالطرفيين بمقاعد مسخنة. هناك مفتاحان للمقاعد المسخنة بسمكان لركاب المقعد الخلفي بتشغيل المقاعد كل على حدة. تقعد مفاتيح المقعد المسخن لكل جهاز تدفئة في مؤخرة الكونسول المركزي.



ملاحظة:

يتم تمكين ميزة الدخول السهل/الخروج السهل أو تعطيلها من خلال الميزات القابلة للبرمجة في نظام Uconnect  صفحة ٢٢٩.

2

المقاعد المسخنة - إذا كانت السيارة مزودة بذلك

تحذير!

- الأشخاص غير القادرين على تحمل وجود ألم بالجلد بسبب كبر السن أو المرض المزمن أو الإصابة بمرض السكري أو إصابة العمود الفقري أو تناول الأدوية أو التعب الشديد أو أي حالة بدنية أخرى، على كل هؤلاء توخي الحرص عند استخدام جهاز تدفئة المقعد. فقد يتعرض هؤلاء لحروق حتى مع انخفاض درجات الحرارة، وخصوصاً عند استخدامه لفترات مطولة.
- لا تضع أي متعلقات على ظهر المقعد والتي قد تمثل عازلاً للحرارة، مثل بطانية أو وسادة. فقد يؤدي ذلك إلى زيادة سخونة جهاز تدفئة المقعد. إن الجلوس على مقعد درجة حرارته أعلى من الحد قد تؤدي إلى حروق خطيرة بسبب لدرجة حرارة سطح المقعد الزائدة.

المقاعد الأمامية المسخنة - إذا كانت السيارة مزودة بذلك

يمكن العثور على أزرار التحكم في المقعد المسخن في المجموعة الوسطى أسفل شاشة الراديو، أو ضمن نظام Uconnect.



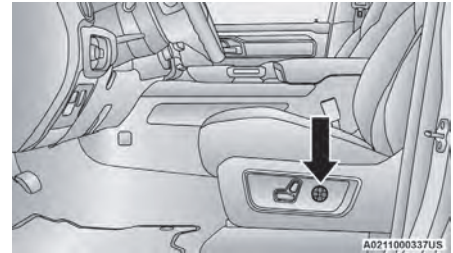
تعتمد المسافة التي يتحركها مقعد السائق على الوضع الذي تركت فيه مقعد السائق عند وضع مفتاح التشغيل في وضع إيقاف التشغيل.

- عند وضع مفتاح تشغيل السيارة في وضع OFF (إيقاف التشغيل)، سيتحرك مقعد السائق لمسافة 6 سم (2.4 بوصة) تقريباً إلى الخلف إذا كان وضع مقعد السائق على بُعد أكبر من أو يساوي 6.77 سم (2.7 بوصة) أمام المصد الخلفي. وسيعود المقعد إلى وضعه المحدد مسبقاً عند وضع مفتاح التشغيل في وضع وحدة التحكم في السرعة الثابتة المهيأة (ACC) أو وضع ON/ RUN (التشغيل/ الانطلاق).
- عند إخراج حافظة المفاتيح من مفتاح التشغيل، سيتحرك مقعد السائق لمسافة 0.77 سم (0.3 بوصة) أمام المصد الخلفي إذا كان موضع مقعد السائق على مسافة تتراوح ما بين 2.27 و 6.77 سم (0.9 و 2.7 بوصة) أمام المصد الخلفي. وسيعود المقعد إلى وضعه المحدد مسبقاً عند وضع مفتاح التشغيل في وضع وحدة التحكم في السرعة الثابتة المهيأة (ACC) أو ON/ RUN (التشغيل/ الانطلاق).
- يتم تعطيل ميزة الدخول/الخروج السهل عندما يكون موضع مقعد السائق على مسافة أقل من 2.27 سم (0.9 بوصة) أمام المصد الخلفي. فعند هذا الوضع لا تظهر فائدة للسائق من تحريك المقعد للدخول أو الخروج السهل.

عند تمكينها في Uconnect Settings (إعدادات Uconnect)، يتم تخزين مواضع Easy Entry (الدخول السهل) و Easy Exit (الخروج السهل) في كل ملف شخصي من ملفات إعداد الذاكرة  صفحة ٣٤.

دعامة أسفل الظهر العاملة بالطاقة — إذا كانت السيارة مزودة بذلك

قد تكون السيارات المزودة بمقاعد عاملة بالطاقة للسائق أو الراكب مزودة أيضاً بإمكانية ضبط دعامة أسفل الظهر العاملة بالطاقة في وضعين أو في 4 أوضاع. يوجد مفتاح دعامة أسفل الظهر العاملة بالطاقة على الجانب الخارجي من المقعد العامل بالطاقة. ادفع المفتاح للأمام لزيادة دعم أسفل الظهر. ادفع المفتاح للخلف لتقليل دعم أسفل الظهر. إذا كانت السيارة مزودة بإمكانية الضبط في 4 أوضاع، يؤدي دفع المفتاح للأعلى أو الأسفل إلى رفع موضع الدعم أو خفضه.



مفتاح دعامة أسفل الظهر العاملة بالطاقة

مقعد الدخول/الخروج السهل — إذا كانت السيارة مزودة بذلك

توفر هذه الميزة أوضاع مقعد سائق أو توماتيكية لتسهيل حرية حركة السائق عند الدخول والخروج من السيارة.

ارفع لأعلى على جزء واحد أو كليهما من وسادة المقعد حتى تصبح مسطحة على ظهر المقعد.

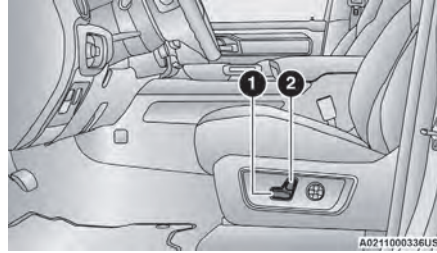


المقاعد الخلفية مطوية

قم بطي وسادة المقعد إلى موضعها الأصلي من خلال دفع وسادة المقعد لأسفل في مكانها.

الضبط الكهربائي للمقاعد الأمامية — إذا كانت السيارة مزودة بذلك

قد تكون بعض الطرز مزودة بمقاعد عاملة بالطاقة للسائق والراكب الأمامي يمكن ضبطها في ثمانية أوضاع. توجد مفاتيح المقعد العامل بالطاقة في الجانبين الخارجيين من وسائد مقعد السائق والراكب. هناك مفتاحان للمقاعد العاملة بالطاقة يُستخدمان للتحكم في حركة وسادة المقعد وظهر المقعد.



مفاتيح المقعد العامل بالطاقة

- 1 — مفاتيح المقعد العامل بالطاقة
- 2 — مفاتيح ظهر المقعد العامل بالطاقة

ضبط المقعد للأمام أو الخلف

يمكن ضبط المقعد للأمام وللخلف باستخدام مفاتيح المقعد العامل بالطاقة. سيتحرك المقعد في اتجاه المفتاح. حرر المقبض عند الوصول إلى الوضع المطلوب.

ضبط المقعد لأعلى أو لأسفل

يمكن ضبط ارتفاع المقاعد لأعلى ولأسفل باستخدام مفاتيح المقعد العامل بالطاقة. سيتحرك المقعد في اتجاه المفتاح. حرر المقبض عند الوصول إلى الوضع المطلوب.

إمالة المقعد إلى أعلى أو إلى أسفل

يمكن ضبط زاوية وسادة المقعد لأعلى ولأسفل باستخدام مفاتيح المقعد العامل بالطاقة. سوف يتحرك الجزء العلوي من وسادة المقعد في اتجاه المفتاح. حرر المقبض عند الوصول إلى الوضع المطلوب.

إمالة ظهر المقعد

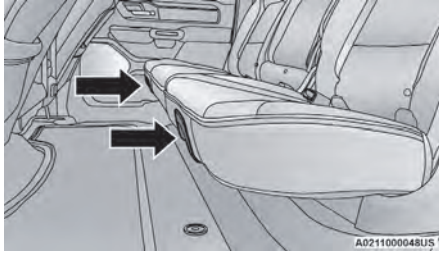
يمكن ضبط زاوية ظهر المقعد للأمام أو للخلف باستخدام مفاتيح المقعد العامل بالطاقة. سيتحرك المقعد في اتجاه المفتاح. حرر المفتاح عند الوصول إلى الوضع المطلوب.

تحذير!

- قد يشكل ضبط المقعد أثناء القيادة خطرًا. فقد يؤدي تحريك المقعد أثناء القيادة إلى فقدان السيطرة مما قد يتسبب في حدوث تصادم وإصابات خطيرة أو الوفاة.
- يجب ضبط المقاعد قبل ربط أحزمة الأمان وخلال توقف السيارة. قد تحدث الإصابات أو الوفاة نتيجة لسوء ضبط حزام الأمان.
- لا تقد السيارة وظهر المقعد مائل إلى الوراء بشكل يمنع استقرار حزام الكتف حول صدرك. ففي حالة التصادم، قد تنزلق أسفل حزام الأمان مما قد ينتج عنه إصابة خطيرة أو الوفاة.

تنبيه!

لا تضع أي شيء تحت المقاعد العاملة بالطاقة أو أي شيء يعيق حركتها فقد يسبب ذلك عطلاً في أجهزة التحكم بالمقعد. وقد تصبح حركة المقعد محدودة إذا توقف بواسطة عائق يعترض طريقه.



أماكن مقبض إمالة المقعد الخلفي

ملاحظة:

لا تتوفر هذه الميزة إذا كانت السيارة مزودة بمقعد خلفي طويل.

تحذير!

لا تقد السيارة وظهر المقعد مائل إلى الوراء بشكل يمنع استقرار حزام الكتف حول صدرك. ففي حالة التصادم، قد تنزلق أسفل حزام الأمان مما قد ينتج عنه إصابة خطيرة أو الوفاة.

مقاعد الصف الثاني القابلة للطي بنسبة 60/40

لتوفير منطقة تخزين إضافية، يمكن طي كل مقعد خلفي لأعلى. ويسمح ذلك بتوسيع مساحة التخزين مع الاستمرار في الإبقاء على سعة لمواضع الجلوس الخلفية، إذا تطلب الأمر.



الجزء الأوسط مطوي للأمام

الضبط اليدوي للمقاعد الخلفية**تحذير!**

لا نغم بتكديس الأمتعة أو الحمولة لتصل إلى موضع أعلى من ظهر المقعد. فقد يتسبب ذلك في حجب الرؤية أو يصبح أحد الأمتعة جسماً مندفعا خطراً عند التوقف المفاجئ أو حدوث تصادم.

إمالة المقاعد الخلفية - إذا كانت السيارة مزودة بذلك

يوجد مقبض إمالة المقعد أمام وسائد المقعد الطرقي الخارجي. لضبط ظهر المقعد، ارفع المقبض لأعلى، وحرك أسفل المقعد للأمام. سيميل الجزء السفلي من ظهر المقعد إلى الخلف. عند الوصول إلى الوضع المطلوب، حرر المقبض.

المقعد الطويل الأمامي — إذا كانت السيارة مزودة بذلك

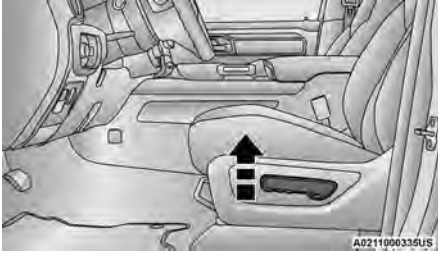
المقعد مُقسّم إلى ثلاثة أجزاء. حيث تشغل الأجزاء الخارجية من المقعد 40% من العرض الإجمالي للمقعد. وإذا كانت السيارة مزودة بذلك، يمكن طي ظهر الجزء الأوسط (20%) لأسفل بسهولة لتوفير مسند للذراع أو حجرة تخزين في الوسط.



الجزء الأوسط من المقعد الطويل الأمامي

ضبط إمالة المقعد الأمامي يدويًا

توجد ذراع الإمالة على الجانب الخارجي من المقعد. لإمالة المقعد انحن إلى الأمام قليلاً وارفع الذراع، ثم أمل ظهرك إلى الوضع المرغوب وحرر الذراع. لإرجاع ظهر المقعد إلى وضعه العادي، اتكى للأمام وارفع الذراع. حرر الذراع بمجرد أن يصبح ظهر المقعد في الوضع المستقيم.



ذراع الإمالة اليدوي

تحذير!

- ابتعد عن مقدمة المقعد أثناء تشغيل المقبض. فقد ينخفض ظهر المقعد للأمام ويصدمك مما قد يتسبب في إصابتك بجروح.
- لتجنب الإصابات، ضع يدك على ظهر المقعد وشغل المقبض ثم ضع ظهر المقعد في الموضع المطلوب.

ضبط المقعد الأمامي للخلف/للأمام يدويًا

يمكن ضبط المقعدين الأماميين للأمام وللخلف. ويوجد مقبض الضبط اليدوي للمقعد أسفل وسادة المقعد عند الحافة الأمامية لكل مقعد.



قضيب ضبط المقعد اليدوي

أثناء الجلوس في المقعد، ارفع المقبض لأعلى وحرك المقعد للأمام أو للخلف. حرر القضيب عند الوصول للموضع المطلوب. وباستعمال ضغط جسمك، تحرك إلى الأمام والخلف وأنت جالس على المقعد للتأكد من تثبيت المقعد بإحكام.

تحذير!

- قد يشكل ضبط المقعد أثناء القيادة خطرًا. فقد يؤدي تحريك المقعد أثناء القيادة إلى فقدان السيطرة مما قد يتسبب في حدوث تصادم وإصابات خطيرة أو الوفاة.
- يجب ضبط المقاعد قبل ربط أحزمة الأمان وخلال توقف السيارة. قد تحدث الإصابة أو الوفاة نتيجة لسوء ضبط حزام الأمان.

تحذير!

- لا تسمح لأي شخص بالجلوس في أماكن لا تحتوي على أحزمة أمان أو مقاعد. ففي حالات الاصطدام من المحتمل جدًا أن يتعرض الجالسون في هذه الأماكن إلى إصابات خطيرة أو مميتة.
- تأكد من جلوس جميع الركاب في المقاعد واستعمالهم لأحزمة الأمان بصورة صحيحة.

الضبط اليدوي للمقاعد الأمامية - إذا كانت السيارة مزودة بذلك

تحذير!

- إن ضبط المقعد أثناء قيادة السيارة يعرضك للخطر. لأن الحركة المفاجئة للمقعد يمكن أن تؤدي إلى فقدان السيطرة على السيارة. وقد لا يكون حزام الأمان مربوطًا بصورة صحيحة مما يمكن أن يؤدي إلى إصابتك. اضبط المقعد أثناء وقوف السيارة فقط.
- لا تعد السيارة وظهر المقعد مائل إلى الوراء بشكل يمنع استقرار حزام الكتف حول صدرك. فمن الممكن أن تنزلق من تحت حزام الأمان عند وقوع تصادم مما يؤدي إلى إصابات خطيرة أو مميتة. استخدم أداة الإمالة فقط عند وقوف السيارة.

ملاحظة:

يمكن فصل حافظه المفاتيح عن إعدادات الذاكرة بالضغط على زر الضبط (S)، متبوعاً بالضغط على زر إلغاء القفل في حافظه المفاتيح خلال 10 ثوان.

استعادة وضع الذاكرة**ملاحظة:**

عند محاولة القيام بالاستدعاء أثناء وجود السيارة في وضع غير وضع PARK (التوقف)، ستظهر رسالة في شاشة عرض مجموعة أجهزة القياس.

لإستعادة إعدادات الذاكرة للسائق رقم واحد أو اثنين، اضغط على زر الذاكرة المطلوب (رقم 1 أو 2) أو زر إلغاء القفل على حافظه المفاتيح المرتبطة بوضع الذاكرة المطلوب.

ويمكن إلغاء طلب الاستدعاء بالضغط على أي زر من أزرار الذاكرة (S أو 1 أو 2) أثناء عملية الاستدعاء. وعند إلغاء طلب استدعاء، يتوقف مقعد السائق عن الحركة، سيحدث تأخر لمدة ثانية واحدة قبل اختيار أي عملية إعادة استدعاء أخرى.

المقاعد

تعد المقاعد جزءاً من نظام تثبيت الركاب بالسيارة.

تحذير!

- يعتبر الجلوس في منطقة الحمولة في الداخل أو الخارج عند سير السيارة خطيراً جداً. ففي حالات الاصطدام من المحتمل جداً أن يتعرض الجالسون في هذه الأماكن إلى إصابات خطيرة أو مميتة.

(تابع)

ملاحظة:

يمكن ضبط نماذج الذاكرة دون الحاجة إلى أن تكون السيارة في وضع PARK (التوقف)، إلا أنه يجب أن تكون السيارة في وضع PARK (التوقف) كي يمكن استدعاء نموذج الذاكرة.

ربط وإلغاء ربط حافظه مفاتيح بالذاكرة

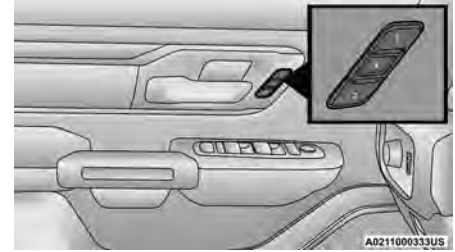
يمكن برمجة حافظه المفاتيح لاستدعاء أحد نموذجي الذاكرة المحفوظين.

ملاحظة:

قبل برمجة حافظه المفاتيح، يجب اختيار ميزة "Personal Settings Linked To Key Fob" (الإعدادات الشخصية المرتبطة بحافظه المفاتيح) من خلال شاشة نظام Uconnect ➔ صفحة ٢٢٩.

لبرمجة حافظه المفاتيح، قم بالإجراء التالي:

1. اضغط مفتاح تشغيل السيارة على وضع OFF (إيقاف التشغيل).
2. اختر نموذج الذاكرة المطلوب 1 أو 2.
3. بمجرد استدعاء الوضع، اضغط على زر S (الضبط) الموجود على مفتاح الذاكرة وحرره.
4. اضغط على الزر (1) أو (2) وحرره وفقاً لذلك. يتم عرض رسالة "Memory Profile Set" (تم ضبط نموذج الذاكرة) (النموذج 1 أو 2) في مجموعة أجهزة القياس.
5. اضغط على زر lock (القفل) بحافظه المفاتيح وحرره في غضون 10 ثوان.

**مفتاح Memory Settings (إعدادات الذاكرة)****برمجة ميزة الذاكرة**

لإنشاء نموذج ذاكرة جديد، قم بما يلي:

ملاحظة:

يؤدي حفظ نموذج ذاكرة جديد إلى مسح النموذج المحدد من الذاكرة.

1. أدر مفتاح التشغيل في السيارة إلى وضع ON/RUN (التشغيل/الانطلاق) (لا تقم بتشغيل المحرك).
2. قم بضبط جميع إعدادات نموذج الذاكرة على التفضيلات المرغوبة (أي، مقعد السائق والمرايا الجانبية والدواسات القابلة للضبط) (إذا كانت السيارة مزودة بذلك) ومحطات الراديو المضبوطة مسبقاً).
3. اضغط على زر الضبط (S) في مفتاح الذاكرة، ثم اضغط على زر الذاكرة المطلوب (1 أو 2) خلال خمس ثوان. تعرض شاشة عرض مجموعة أجهزة القياس وضع الذاكرة الذي تم ضبطه.

تحذير!

لا تضبط عمود التوجيه أثناء القيادة. إن ضبط عمود التوجيه أثناء القيادة أو القيادة مع إلغاء قفل عمود التوجيه قد يتسبب في فقدان السائق القدرة على التحكم في السيارة. يترتب على عدم اتباع هذا التحذير حدوث إصابات خطيرة أو الوفاة.

عجلة القيادة المسخنة — إذا كانت السيارة مزودة بذلك



تحتوي عجلة القيادة على عنصر تسخين للمساعدة على تدفئة يديك أثناء الطقس البارد. ويوجد إعداد واحد فقط لضبط درجة الحرارة لعجلة القيادة المسخنة. بمجرد تشغيل عجلة القيادة المسخنة، ستظل في وضع التشغيل حتى يقوم المشغل بإيقاف تشغيلها. قد لا يتم تشغيل عجلة القيادة المسخنة عندما تكون دافئة بالفعل.

يوجد زر عجلة القيادة المسخنة داخل نظام Uconnect، وعلى لوحة أجهزة القياس أسفل الراديو إذا كانت السيارة مزودة بها. يمكنك الوصول إلى الزر في قائمة Climate (المناخ) أو Controls (أدوات التحكم) على شاشة اللمس.

- اضغط على زر عجلة القيادة المسخنة مرة واحدة لتشغيل عنصر التسخين.
- اضغط على زر على عجلة القيادة المسخنة مرة أخرى لإيقاف تشغيل عنصر التسخين.

ملاحظة:

يجب أن يكون المحرك في وضع التشغيل لكي تعمل عجلة القيادة المسخنة.

للمزيد من المعلومات حول استخدام نظام بدء التشغيل عن بُعد، انظر صفحة ٢٧.

تحذير!

- الأشخاص غير القادرين على تحمل وجود ألم بالجلد بسبب كبر السن أو المرض المزمن أو الإصابة بمرض السكر أو إصابة العمود الفقري أو تناول الأدوية أو التعب الشديد أو أي حالة بدنية أخرى، على كل هؤلاء توخي الحرص عند استخدام جهاز تدفئة عجلة القيادة. فقد يتعرض هؤلاء لحروق حتى مع انخفاض درجات الحرارة، وخصوصاً عند استخدامه لفترات مطولة.
- لا تضع أية متعلقات على عجلة القيادة والتي تمثل عازلاً للحرارة، مثل بطانية أو أغشية عجلة القيادة من أي نوع أو مادة. حيث قد يؤدي ذلك إلى زيادة سخونة جهاز تدفئة عجلة القيادة.

إعدادات الذاكرة للسائق - إذا كانت السيارة مزودة بذلك

تتيح هذه الميزة للسائق حفظ ما يصل إلى نموذجي ذاكرة مختلفين للاستدعاء السريع من خلال مفتاح ذاكرة. يحفظ كل نموذج ذاكرة إعدادات الوضع المطلوبة للميزات التالية:

- مقعد السائق
- تشغيل مقعد الدخول/الخروج السهل (إذا كانت السيارة مزودة بذلك)
- الدواسات القابلة للضبط (إذا كانت السيارة مزودة بذلك)
- المرايا الجانبية

ملاحظة:

- سيارتك مزودة بحافظتي مفاتيح، ويمكن ربط كل منها بوضع الذاكرة 1 أو 2.
- يوجد مفتاح إعدادات ذاكرة السائق في باب السائق، إلى جوار مقبض الباب، ويتكون من ثلاثة أزرار:
- زر set (الضبط)، المستخدم لتنشيط وظيفة حفظ الذاكرة.
- الزران (1) و(2) المستخدمان لاستدعاء أي من نموذجي الذاكرة المحفوظين.

عجلة القيادة

عمود التوجيه القابل للإمالة/الإطالة والتقصير
تتيح لك هذه الميزة إمالة عمود التوجيه لأعلى أو لأسفل.
كما تتيح إطالة أو تقصير عمود التوجيه. يوجد ذراع
الإمالة/الإطالة والتقصير في عمود التوجيه، أسفل ذراع
التحكم متعدد الوظائف.



ذراع التحكم في الإطالة والتقصير والإمالة

لإلغاء قفل عمود التوجيه، اضغط على ذراع التحكم لأسفل
(في اتجاه الأرضية). لإمالة عمود التوجيه، قم بتحريك
عجلة القيادة لأعلى أو لأسفل حسب رغبتك. لإطالة أو
تقصير عمود التوجيه، قم بجذب عجلة القيادة للخارج أو
ادفعها للداخل حسب رغبتك. لقفّل عمود التوجيه في
موضعه، ادفع ذراع التحكم لأعلى حتى يتم التعشيق
الكامل.

- بعد استخدام نظام قفل الأبواب لحماية الأطفال، اختبر
الباب من الداخل دائماً للتأكد من وجوده في وضع
القفل.
- للخروج في حالات الطوارئ مع تشغيل النظام، اسحب
مقبض قفل الباب لأعلى (وضع إلغاء القفل)، وقم
بخفض زجاج النافذة وافتح الباب باستخدام مقبض
الباب الخارجي.

تحذير!

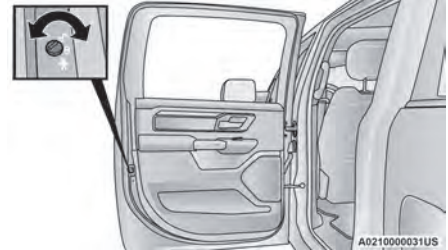
تجنب احتجاز الركاب داخل السيارة عند وقوع حادث.
تذكر أنه لا يمكن فتح الأبواب الخلفية من مقبض الباب
الداخلي عندما تكون أقفال أبواب حماية الأطفال فعّالة.

ملاحظة:

استخدم هذا الجهاز دائماً عند حمل الأطفال. بعد تعشيق
نظام Child-Protection Door Lock (قفل الأبواب
لحماية الأطفال) في كل من البابين الخلفيين، تحقق من
كفاءة التعشيق عن طريق محاولة فتح أحد الأبواب
باستخدام المقبض الداخلي. بمجرد تعشيق نظام قفل
الأبواب لحماية الأطفال، يستحيل فتح الأبواب من داخل
السيارة. قبل الخروج من السيارة، احرص على التحقق من
عدم ترك أي شخص بالداخل.

نظام قفل الأبواب لحماية الأطفال - الأبواب الخلفية

لحماية الأطفال الجالسين في المقاعد الخلفية تم تزويد
الأبواب الخلفية بنظام قفل الأبواب لحماية الأطفال.
لاستخدام النظام، افتح كلا من البابين الخلفيين، واستخدم
مفكاً ذا شفرة مسطحة وأدر القرص إلى وضع القفل أو
إلغاء القفل. عند تعشيق النظام في أحد الأبواب؛ يمكن فتح
هذا الباب فقط بواسطة مقبض الباب الخارجي حتى إذا كان
قفل الباب الداخلي في وضع إلغاء القفل.



وظيفة قفل الأبواب لحماية الأطفال

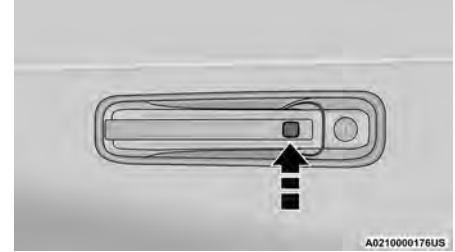
ملاحظة:

- عندما يتم تشغيل نظام قفل الأبواب لحماية الأطفال، فإنه
لا يمكن فتح الباب إلا عن طريق مقبض الباب
الخارجي فقط حتى لو كان قفل الباب بداخل السيارة في
وضع إلغاء القفل.
- بعد فصل نظام قفل الباب لحماية الأطفال، قم دائماً
باختبار الباب من الداخل للتأكد من وجوده في وضع
إلغاء القفل.

- توجد حافظة مفاتيح مزودة بنظام دخول غير نشط صالحة خارج السيارة ضمن مسافة 5 أقدام (1.5 متر) من أي من مفايض أبواب الدخول غير النشط.

لقفل أبواب السيارة وباب المؤخرة

عند وجود إحدى حافظات مفاتيح السيارة المزودة بنظام الدخول غير النشط ضمن مسافة 1.5 متر (5 أقدام) من أي مقبض باب أمامي، سيؤدي الضغط على زر Passive Entry lock (قفل الدخول غير النشط) إلى قفل السيارة.



اضغط على زر مقبض الباب للقفل

ملاحظة:

لا تمسك بمقبض الباب، عند الضغط على زر قفل مقبض الباب. حيث سيؤدي ذلك إلى إلغاء قفل الباب (الأبواب).



لا تَقَم بِإمساك مقبض الباب عندما يكون مقفلاً

ملاحظة:

- بعد الضغط على زر مقبض الباب، يجب الانتظار لمدة ثانيتين قبل أن يمكن قفل الأبواب أو إلغاء قفلها، باستخدام أي من مقبضي باب الدخول غير النشط. ويتم هذا لكي تتحقق مما إذا تم قفل السيارة عن طريق سحب مقبض الباب بدون إلغاء قفل السيارة.

- في حال تعطيل الدخول غير النشط باستخدام Uconnect Settings (إعدادات Uconnect)، تظل حماية حافظة المفاتيح الواردة وصفها في "المفتاح المدمج للزر الذي يتم استخدامه كثيرًا" (الحافظة ذات المفتاح المدمج (FOBIK) الأمانة) نشطة/عاملة.

- ولن يعمل نظام الدخول غير النشط في حالة نفاذ شحنة بطارية حافظة مفاتيح.

○ لن يومض ضوء LED الموجود في حافظة المفاتيح إذا كان شحن بطارية حافظة المفاتيح منخفضًا أو إذا نفذ بالكامل، ولكن حالة بطارية حافظة المفاتيح ذات الشحن المنخفض ستستمر في دعم وظيفة

نظام الدخول غير النشط. عندما يكون شحن بطارية حافظة المفاتيح منخفضًا، ستعرض مجموعة أجهزة القياس رسالة تشير إلى أن شحن بطارية حافظة المفاتيح منخفض.

إلغاء القفل الأوتوماتيكي للأبواب عند الخروج - إذا كانت السيارة مزودة بذلك

سيتم إلغاء قفل الأبواب بصورة أوتوماتيكية في السيارات المزودة بأقفال أبواب عاملة بالبطاقة بعد تسلسل الإجراءات التالي:

1. يتم تمكين ميزة Automatic Unlock Doors On Exit (إلغاء القفل الأوتوماتيكي للأبواب عند الخروج) داخل نظام Uconnect.
2. إغلاق جميع الأبواب.
3. محدد التروس ليس في وضع PARK (التوقف)، ثم في وضع PARK (التوقف).
4. أحد الأبواب مفتوح.

أقفال الأبواب الأوتوماتيكية — إذا كانت السيارة مزودة بذلك

الحالة الافتراضية لميزة قفل الأبواب الأوتوماتيكية مُمكنة. عند تمكين هذه الميزة، ستعمل أقفال الأبواب على قفل الأبواب أوتوماتيكيًا عندما تتجاوز سرعة السيارة 24 كم/ساعة (15 ميلًا/ساعة). يمكن تمكين/تعطيل ميزة قفل الأبواب أوتوماتيكيًا أو تعطيلها في إعدادات Uconnect

صفحة ٢٢٩.

هناك خمس حالات تُشَوِّل البحث عن الحافظة ذات المفتاح المدمج (FOB/IK) الأمانة في أي سيارة مزودة بنظام الدخول غير النشط:

- يتم إجراء طلب قفل بواسطة حافظة مفاتيح مزودة بنظام الدخول غير النشط صالحة أثناء وجود باب مفتوح.
- يتم إجراء طلب قفل بواسطة مقبض باب الدخول غير النشط أثناء وجود باب مفتوح.
- يتم إجراء طلب قفل بواسطة مفتاح لوحة الباب أثناء وجود باب مفتوح.
- عندما يكون نظام أمان السيارة في حالة تنشيط سابق أو تنشيط ويتحول باب المؤخرة من وضع الفتح إلى وضع الإغلاق.

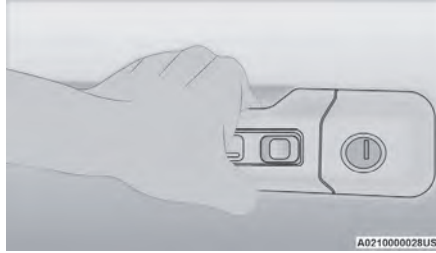
- عندما يتحول باب المؤخرة من وضع الفتح إلى وضع الإغلاق ويكون نظام بدء التشغيل عن بُعد نشطًا.
- عند حدوث أي من هذه المواقف، بعد إغلاق جميع الأبواب المفتوحة، سيتم تنفيذ بحث الحافظة ذات المفتاح المدمج (FOB/IK) الأمانة. إذا اكتشف حافظة مفاتيح مزودة بنظام دخول غير نشط داخل السيارة، فسيتم إلغاء قفل السيارة وتنبيه العميل.

ملاحظة:

سوف تقوم السيارة فقط بإلغاء قفل الأبواب عندما يتم اكتشاف وجود حافظة مفاتيح مزودة بنظام دخول غير نشط داخل السيارة. لن تقوم السيارة بإلغاء قفل الأبواب في حالة حدوث أي من الحالات التالية:

- تم قفل الأبواب يدويًا باستخدام مقابض قفل الباب.
- تم إجراء ثلاث محاولات لقفل الأبواب باستخدام مفتاح لوحة الباب ثم تم إغلاق الأبواب.

بمقبض باب السائق إلى إلغاء قفل باب السائق أوتوماتيكيًا. سيؤدي الإمساك بمقبض باب الراكب إلى إلغاء قفل كل الأبواب وباب المؤخرة أوتوماتيكيًا.



أمسك مقبض الباب لإلغاء القفل

ملاحظة:

- عندما تمسك بمقبض باب السائق، سيتم إلغاء قفل إما باب السائق فقط أو كل الأبواب، وفقًا للإعداد المحدد في نظام Uconnect. صفحة ٢٢٩.
- سيتم إلغاء قفل كل الأبواب عند الإمساك بمقبض باب الراكب الأمامي بغض النظر عن إعداد تفصيل إلغاء قفل باب السائق.

المفتاح المدمج للزر الذي يتم استخدامه كثيرًا (الحافظة ذات المفتاح المدمج (FOB/IK) - الأمانة)

لتقليل احتمالية قفل حافظة المفاتيح المزودة بنظام الدخول غير النشط بشكل غير متعمد داخل السيارة، تم تزويد نظام الدخول غير النشط بميزة إلغاء قفل الباب أوتوماتيكيًا التي تعمل إذا كان مفتاح التشغيل في وضع OFF (إيقاف التشغيل).

• قد لا يمكن اكتشاف حافظة المفاتيح بواسطة نظام الدخول غير النشط إذا كانت موجودة بجوار هاتف محمول، أو كمبيوتر محمول أو جهاز إلكتروني آخر؛ فقد تحجب هذه الأجهزة الإشارة اللاسلكية لحافظة المفاتيح وتمنع نظام الدخول غير النشط من قفل/إلغاء قفل السيارة.

• يبدأ إلغاء قفل الدخول غير النشط بتشغيل أعضاء الاقتراب (الأضواء المنخفضة، ومصباح لوحة الأرقام، ومصباح الوضع) لأي مدة مضبوطة بين 0 أو 30 أو 60 أو 90 ثانية. كما يعمل إلغاء قفل الدخول غير النشط أيضًا على وميض إشارات الانعطاف مرتين.

• في حال ارتداء القفازات، أو في حال هطول الأمطار/ سقوط الجليد، أو في حال وجود ملح/أوساخ على مقبض باب الدخول غير النشط، قد تتأثر حساسية إلغاء القفل، ما يؤدي إلى بطء وقت الاستجابة.

• قد يتم إلغاء قفل الأبواب عند رش المياه على مقابض أبواب الدخول غير النشط، إذا كانت حافظة المفاتيح موجودة خارج السيارة ضمن مسافة 1,5 أمتار (5 أقدام) من المقبض.

• في حالة إلغاء قفل السيارة بواسطة نظام الدخول غير النشط وعدم فتح أي باب خلال 60 ثانية، سوف تتم إعادة قفل السيارة (إذا كانت السيارة مزودة بذلك) وسيتم تنشيط نظام أمان السيارة.

إلغاء القفل من جانب السائق أو الراكب

باستخدام حافظة مفاتيح صالحة مزودة بنظام الدخول غير النشط ضمن مسافة 1.5 متر (5 أقدام) من مقبض الباب، أمسك المقبض لإلغاء قفل السيارة. سيؤدي الإمساك

الدرج الجانبي العامل بالطاقة - إذا كانت السيارة مزودة بذلك

الدرج الجانبي العامل بالطاقة سيقوم بتمديد درجة لتسهيل الدخول إلى السيارة والخروج منها.

عند التهيئة على الوضع Auto (أوتوماتيكي)، سيتم فرد الدرج الجانبي العامل بالطاقة عند فتح أي باب من الأبواب، أو عند تنشيط إعداد الفرد عبر شاشة اللمس. عند التكوين على وضع Store (التخزين)، لن يتم فرد الدرج ما لم يتم تحديد الإعداد يدويًا من خلال قائمة Controls (مفاتيح التحكم) في شاشة اللمس.

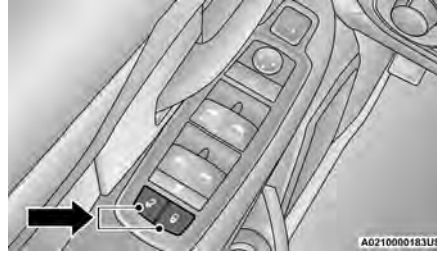
إذا تجاوزت سرعة السيارة 4 ميل بالساعة (7 كم/ساعة)، أو في حالة اختيار إعداد الضم من إعدادات Uconnect ➔ صفحة ٢٢٩، فسيجري ضم الدرج.

ميزة الحركة والتشغيل من دون مفتاح — KEYLESS ENTER 'N GO™ نظام الدخول غير النشط

نظام الدخول غير النشط هو ميزة محسنة تم إدخالها على حافظة مفاتيح السيارة وميزة الحركة والتشغيل من دون مفتاح Keyless Enter 'n Go™ — نظام الدخول غير النشط. تتيح لك هذه الميزة قفل باب (أبواب) السيارة وإلغاء قفلها من دون الحاجة إلى الضغط على زررار القفل أو إلغاء القفل بحافظة المفاتيح.

ملاحظة:

- يمكن برمجة الدخول غير النشط على وضع التشغيل/ إيقاف التشغيل من خلال إعدادات Uconnect ➔ صفحة ٢٢٩.



مفاتيح قفل الأبواب الكهربائية

سيتم إلغاء قفل باب السائق تلقائيًا إذا تم اكتشاف حافظة المفاتيح داخل السيارة عند استخدام زر قفل الباب الموجود في لوحة الباب الأمامي لقفل الباب. ستتم محاولة ذلك مرتين. بعد المحاولة الثالثة، سيتم قفل الأبواب حتى إن كانت حافظة المفاتيح بالداخل.

ملاحظة:

إذا كانت حافظة المفاتيح موجودة بجانب هاتف محمول أو كمبيوتر محمول أو أي جهاز إلكتروني آخر، فقد يتم حجب الإشارة اللاسلكية وقد لا يتم فتح قفل باب السائق أوتوماتيكيًا.

إذا تم الضغط على مفتاح قفل الباب أثناء وجود مفتاح التشغيل في الوضع ACC (الملحقات) أو ON/RUN (التشغيل/الانطلاق) مع فتح باب السائق، فلن يتم قفل الأبواب.

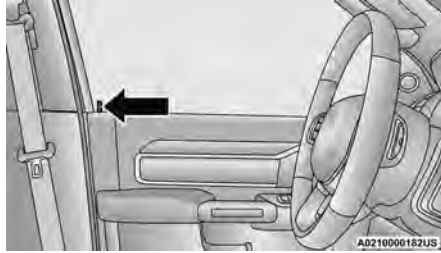
في حالة قفل باب خلفي، فلا يمكن فتحه من داخل السيارة من دون إلغاء قفل الباب أولاً. ويمكن إلغاء قفل الباب يدويًا عن طريق رفع مقبض القفل.

تحذير!

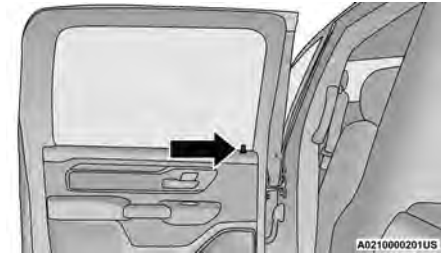
- عند الخروج من السيارة، تأكد دومًا أن نظام التشغيل من دون مفتاح في وضع OFF (إيقاف التشغيل)، وقم بإزالة حافظة المفاتيح من السيارة وقفل السيارة.
- لا تترك أبدًا الأطفال بمفردهم في السيارة أو تسمح لهم بالاقتراب من سيارة غير مقفلة. بعد ترك الأطفال في السيارة من دون مراقبة أمرًا خطيرًا لأسباب عديدة. فقد يصاب الأطفال أو الآخرون بإصابات خطيرة أو مميتة. ومن ثم، يجب التنبيه على الأطفال بعدم لمس فرامل التوقف أو دواسرة الفرامل أو محدد التروس.
- لا تترك حافظة المفاتيح في السيارة، أو بالقرب منها، أو في مكان يتمكن الأطفال من الوصول إليه، ولا تترك مفتاح التشغيل المزود بميزة الحركة والتشغيل من دون مفتاح Keyless Enter 'n Go™ وضع ACC (الملحقات) أو ON/RUN (التشغيل/الانطلاق). فباستطاعة الأطفال تشغيل النوافذ العاملة بالطاقة وأزرار التحكم الأخرى أو تحريك السيارة.

أقفال الأبواب الكهربائية - إذا كانت السيارة مزودة بذلك

توجد مفاتيح أقفال الأبواب الكهربائية على لوحة كل باب أمامي. اضغط على المفتاح لإلغاء قفل الأبواب أو قفلها.



مقبض قفل الباب الأمامي



مقبض قفل الباب الخلفي

تحذير!

- اقفل الأبواب دائمًا عند قيادة السيارة وعند إيقافها وكذلك عند مغادرتها من أجل الحفاظ على سلامتك الشخصية وتوفير الأمان لك في حالة وقوع تصادم.

(تابع)

تجاوز نظام الأمان يدويًا

لا ينشط نظام أمان السيارة في حالة قفل الأبواب باستخدام أقفال الأبواب اليدوية.

الأبواب**يدوي أقفال الأبواب**

يمكن قفل أقفال الأبواب العاملة بالطاقة يدويًا من داخل السيارة باستخدام مقبض قفل الباب. لقفل كل باب، اضغط على مقبض قفل الباب على لوحة الكسوة بكل باب إلى الأسفل. لفتح البابين الأماميين، اسحب مقبض الباب الداخلي إلى الحابسة الأولى. لإلغاء قفل الأبواب الخلفية، اسحب مقبض قفل الباب الموجود على لوحة كسوة الباب إلى الأعلى. إذا كان المقبض لأسفل أثناء قفل الباب، فسيتم قفل الباب. لذلك يجب التأكد من أن حافظة المفاتيح ليست داخل السيارة قبل إغلاق الباب.

ملاحظة:

لن يتم تشغيل نظام أمان السيارة إذا تم قفل السيارة يدويًا.

- في حال استخدام نظام الدخول غير النشط (إذا كانت السيارة مزودة بذلك) لإلغاء قفل الباب الخلفي، يتم إيقاف تشغيل نظام أمان السيارة وتظل بقية أبواب السيارة مقفلة، ما لم يتم ضبط كل الأبواب على إلغاء القفل عند الضغطة الأولى من إعدادات Uconnect.

- عند تشغيل نظام أمان السيارة، لن تقوم مفاتيح أقفال الأبواب العاملة بالطاقة الداخلية بفتح الأبواب.

تم تصميم نظام أمان السيارة لحماية سيارتك. ومع ذلك فقد تواجه حالات يقوم فيها النظام بتقديم إنذار مزيف. إذا حصلت إحدى الحالات الوارد وصفها سابقاً، يتم تشغيل نظام أمان السيارة بغض النظر عن وجودك داخل السيارة أو خارجها. فإذا بقيت في السيارة وفتحت أحد الأبواب، يقوم النظام بإصدار صوت الإنذار. إذا حدث ذلك، فقم بتعطيل نظام أمان السيارة.

إذا كان نظام أمان السيارة نشطاً وتم فصل البطارية، فسوف يستمر عمل نظام أمان السيارة بعد إعادة توصيل البطارية وتومض المصابيح الخارجية وتصدر آلة التنبيه إشارة صوتية. إذا حدث ذلك، فقم بتعطيل نظام أمان السيارة.

إعادة تنشيط النظام

إذا أطلق شيء ما جهاز الإنذار ولم يتم اتخاذ إجراء لإيقافه، فسوف يوقف نظام إنذار أمان السيارة تشغيل آلة التنبيه بعد دورة مدتها 29 ثانية (ولمدة خمس ثوان بين الدورات وحتى ثماني دورات إذا ظل جهاز الإنذار نشطاً)، ثم سيقوم بإعادة تنشيط نفسه.

رسالة إلغاء نظام بدء التشغيل عن بُعد

سيتم عرض إحدى الرسائل التالية في شاشة عرض مجموعة أجهزة القياس إذا فشل بدء تشغيل السيارة عن بُعد أو في حال الخروج من وضع بدء التشغيل عن بُعد قبل اكتماله:

- Remote Start Canceled — Door Open (تم إلغاء بدء التشغيل عن بُعد — أحد الأبواب مفتوح)
- Remote Start Canceled — Hood Open (تم إلغاء بدء التشغيل عن بُعد — غطاء المحرك مفتوح)

- Remote Start Canceled — Tailgate Open (تم إلغاء بدء التشغيل عن بُعد — باب المؤخرة مفتوح)

- Remote Start Canceled — Fuel Low (تم إلغاء بدء التشغيل عن بُعد — مستوى الوقود منخفض)

- Remote Start Canceled — Time Expired (تم إلغاء بدء التشغيل عن بُعد — انتهى الوقت)

- Remote Start Canceled — System Fault (تم إلغاء نظام بدء التشغيل عن بُعد — عطل بالنظام)

- Remote Start Disabled — Start Vehicle to Reset (تم تعطيل نظام التشغيل عن بُعد - قم بتشغيل السيارة لإعادة الضبط)

تظل الرسالة في شاشة عرض مجموعة أجهزة القياس نشطة حتى يُدار مفتاح التشغيل إلى وضع ON/RUN (التشغيل/الانطلاق).

نظام أمان السيارة - إذا كانت السيارة مزودة بذلك

يراقب نظام أمان السيارة أبواب السيارة وغطاء المحرك وباب المؤخرة والتشغيل عبر ميزة الحركة والتشغيل من دون مفتاح Keyless Enter 'n Go™ لاكتشاف أي تشغيل غير مصرح به. عندما يكون نظام أمان السيارة قيد التشغيل، يتم تعطيل المفاتيح الداخلية لأقفال الأبواب وتحرير باب المؤخرة. إذا أدى أي شيء إلى تنشيط الإنذار، فسيوفر نظام أمان السيارة الإشارات الصوتية والمرئية التالية:

- سينطلق صوت آلة التنبيه.
- ستومض إشارات الانعطاف.
- سيومض ضوء أمان السيارة، الموجود في الركن السفلي الأيمن من شاشة مجموعة أجهزة القياس.

لتنشيط النظام

اتبع هذه الخطوات لتنشيط نظام أمان السيارة:

1. تأكد من إدارة مفتاح تشغيل السيارة على وضع OFF (إيقاف التشغيل).

- بالنسبة للسيارات المزودة بنظام الدخول بدون مفتاح، تأكد من ضبط نظام تشغيل السيارة بدون مفتاح على وضع OFF (إيقاف التشغيل).

2. نفذ واحدة من الطرق التالية لفعل السيارة:

- اضغط على زر القفل الموجود بمفتاح قفل الباب العامل بالطاقة الداخلي عندما يكون باب السائق و/أو الراكب مفتوحًا.

- اضغط على زر القفل الموجود على المقبض الخارجي لباب الدخول غير النشط مع وجود حافظة مفاتيح صالحة في نفس المنطقة الخارجية
- ➡ صفحة ٣٠.

- اضغط على زر القفل الموجود في حافظة المفاتيح.

3. إذا كان هناك أي من الأبواب مفتوحًا، فقم بإغلاقه.

لإلغاء تنشيط النظام

يمكن إلغاء تنشيط إنذار الأمان في السيارة باتباع أي من الطرق التالية:

- اضغط على زر إلغاء القفل على حافظة المفاتيح.
- أمسك مقبض باب الدخول غير النشط لإلغاء قفل الباب
- ➡ صفحة ٣٠.
- أدر مفتاح التشغيل من وضع إيقاف التشغيل لإيقاف تنشيط النظام.

ملاحظة:

- لا يمكن لأسطوانة قفل باب السائق تنشيط نظام أمان السيارة أو تعطيله. سيؤدي استخدام أسطوانة مفتاح الباب عندما يكون النظام قيد التشغيل إلى انطلاق الإنذار عند فتح الباب.
- ويبقى نظام أمان السيارة قيد التشغيل عند فتح الباب الخلفي العامل بالطاقة (إذا كانت السيارة مزودة بذلك) باستخدام زر باب المؤخرة في حافظة المفاتيح.

ملاحظة:

يستمر تشغيل هذه الميزات خلال مدة Remote Start (بدء التشغيل عن بُعد) أو حتى يتم وضع مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق). ستتغير إعدادات التحكم في درجة الحرارة وسيتم الخروج من الإعدادات الافتراضية الأوتوماتيكية إذا قام السائق بضبطها يدوياً عندما تكون السيارة في وضع Remote Start (بدء التشغيل عن بُعد). وذلك يشمل إيقاف تشغيل عناصر التحكم في درجة الحرارة باستخدام زر OFF (إيقاف التشغيل).

تنشيط بدء التشغيل عن بُعد لمزيل الثلوج عن ماسحة الزجاج الأمامي — إذا كانت السيارة مزودة بذلك

عندما يكون نظام بدء التشغيل عن بُعد نشطاً ودرجة الحرارة المحيطة الخارجية أقل من 0.6 درجة مئوية (33 درجة فهرنهايت)، سيتم تنشيط ميزة مزيل الثلوج عن ماسحة الزجاج الأمامي. سيؤدي الخروج من بدء التشغيل عن بُعد إلى استئناف العملية السابقة. إذا كانت ميزة مزيل الثلوج عن ماسحة الزجاج الأمامي نشطة، فستستمر العملية والموقت.

نظام التحكم اليدوي في درجة الحرارة (MTC) - إذا كانت السيارة مزودة بذلك

- في درجات الحرارة المحيطة التي تبلغ 4.5 درجات مئوية (40 درجة فهرنهايت) أو أقل من ذلك، ستعود إعدادات درجة الحرارة بصورة افتراضية إلى أقصى حرارة، مع دخول الهواء النقي إلى الكابينة. إذا انتهى موقت إزالة الصقيع الأمامي، فستتحول السيارة إلى الوضع Mix (المختلط).
 - في درجات الحرارة المحيطة من 4.5 درجات مئوية (40 درجة فهرنهايت) إلى 26 درجة مئوية (78 درجة فهرنهايت)، سوف تعتمد إعدادات درجة الحرارة على آخر إعدادات تم تحديدها بواسطة السائق.
 - في درجات الحرارة المحيطة التي تبلغ 78 درجة فهرنهايت (26 درجة مئوية) أو أعلى، سوف تعود إعدادات درجة الحرارة بصورة افتراضية إلى MAX A/C (الحد الأقصى لتكييف الهواء) والوضع Bi-Level (ثنائي المستوى) و Recirculation On (تشغيل إعادة تدوير الهواء).
- للحصول على مزيد من المعلومات حول التحكم الأوتوماتيكي في درجة الحرارة (ATC) والتحكم اليدوي في درجة الحرارة (MTC) وإعدادات التحكم في درجة الحرارة، راجع صفحة ٥٦.

للظروف المحيطة. انظر "أنظمة الراحة من خلال بدء التشغيل عن بُعد — إذا كانت السيارة مزودة بذلك" في القسم التالي لمعرفة العملية التفصيلية.

أنظمة الراحة لبدء التشغيل عن بُعد — إذا كانت السيارة مزودة بذلك

عند تنشيط بدء التشغيل عن بُعد، سيتم تشغيل إزالة الصقيع من الخلف بصورة أوتوماتيكية في ظروف الطقس البارد. سيتم تشغيل ميزة تدفئة عجلة القيادة وتدفئة مقعد السائق إذا تمت برمجتها في شاشة قائمة Comfort (الراحة) في إعدادات Uconnect ➔ صفحة ٢٢٩. وعندما يكون الطقس دافئاً، يتم تشغيل ميزة مقعد السائق المزود بفتحات التهوية أوتوماتيكيًا عند تنشيط Remote Start (بدء التشغيل عن بُعد) وبرمجته من شاشة قائمة Comfort (الراحة). ستقوم السيارة بضبط إعدادات التحكم في درجة الحرارة وفقاً لدرجة الحرارة المحيطة الخارجية.

ملاحظة:

إذا كانت السيارة مزودة بنظام التحكم الخلفي بدرجة الحرارة، فسيظل مطفأً للسماح بأداء مثالي للصف الأمامي.

نظام التحكم الأوتوماتيكي في درجة الحرارة (ATC) - إذا كانت السيارة مزودة بذلك

سيتم ضبط عناصر التحكم في درجة الحرارة على درجة الحرارة المثالية وإعداد الوضع أوتوماتيكيًا وفقاً لدرجة الحرارة المحيطة الخارجية. سيحدث ذلك حتى يتم وضع مفتاح التشغيل في وضع ON/RUN (التشغيل/الانطلاق) حيث تسترد عناصر التحكم في درجة الحرارة إعداداتها السابقة.

لقيادة السيارة، اضغط على زر إلغاء القفل، وحرك مفتاح التشغيل إلى وضع ON/RUN (التشغيل/الانطلاق).

ملاحظة:

- باستخدام Remote Start (بدء التشغيل عن بُعد)، سيعمل المحرك لمدة 15 دقيقة فقط.
- يمكن استخدام Remote Start (بدء التشغيل عن بُعد) مرتين فقط.
- وفي حالة وجود خطأ في المحرك أو انخفاض مستوى الوقود، سيتم تشغيل السيارة وإيقاف تشغيلها خلال 10 ثوان.
- سيتم تشغيل مصابيح التوقف وتستمر في وضع التشغيل أثناء وضع بدء التشغيل عن بُعد.
- من أجل الأمان، يتم تعطيل النوافذ العاملة بالطاقة وتشغيل السقف المتحرك (إذا كانت السيارة مزودة بذلك) عندما تكون السيارة في وضع بدء التشغيل عن بُعد.
- يجب أن يكون الإشعال في وضع ON/RUN (التشغيل/الانطلاق) قبل تكرار تسلسل Remote Start (بدء التشغيل عن بُعد) لدورة ثالثة.
- يجب تحقق كافة الشروط التالية قبل تشغيل المحرك عن بُعد:

• محدد التروس في وضع PARK (التوقف)

• الأبواب مغلقة

• غطاء المحرك مغلق

• مفتاح التحذير من الخطر متوقف عن التشغيل

• مفتاح الفرامل غير نشط (لا يتم الضغط على دواسة الفرامل)

• مستوى شحن البطارية مقبول

• لم يتم الضغط على زر Panic (الارتياح)

• الوقود في بأقل المتطلبات

• النظام غير معطل من حدث بدء تشغيل عن بُعد سابق

• نظام أمان السيارة غير نشط

• عدم إضاءة ضوء مؤشر العطل (MIL)

تحذير!

- لا تبدأ تشغيل المحرك في مرآب مغلق أو منطقة محكمة. يحتوي غاز العادم على أول أكسيد الكربون عديم اللون والرائحة. أول أكسيد الكربون سام ويمكن أن يسبب الإصابة الخطرة أو الوفاة عند استنشاقه.
- حافظ على بقاء حافظات المفاتيح بعيداً عن متناول الأطفال. قد يتسبب تشغيل نظام بدء التشغيل عن بُعد والنوافذ وأقفال الأبواب أو عناصر التحكم الأخرى في التعرض لإصابة بالغة أو الوفاة.

الخروج من وضع بدء التشغيل عن بُعد

لقيادة السيارة بعد بدء التشغيل عن بُعد، قم بإلغاء قفل الأبواب باستخدام حافظة المفاتيح أو نظام الدخول غير النشط وتعطيل نظام أمان السيارة (إذا كانت السيارة مزودة بذلك)، ثم، قبل نهاية دورة 15 دقيقة، اضغط على دواسة الفرامل واضغط على زر START/STOP (بدء التشغيل/الإيقاف) وحرره.

سيوقف نظام بدء التشغيل عن بُعد تشغيل المحرك إذا تم الضغط على زر بدء التشغيل عن بُعد الموجود على حافظة المفاتيح، أو إذا تم ترك المحرك يدور لدورة مدتها 15 دقيقة كاملة. بمجرد أن يتم وضع الإشعال في وضع ON/RUN (التشغيل/الانطلاق)، فستتألف مفاتيح التحكم في درجة الحرارة العمليات المضبوطة من قبل (مثل درجة الحرارة والتحكم في المروحة، إلخ).

ملاحظة:

• لتجنب إيقاف التشغيل دون قصد، سيتم تعطيل النظام لمدة ثانيتين بعد تلقي طلب بدء تشغيل عن بُعد صالح.

• بالنسبة إلى السيارات المزودة بميزة الحركة والتشغيل من دون مفتاح Keyless Enter 'n Go™ — نظام الدخول غير النشط، سيتم عرض الرسالة "Remote Start Active — Push" Start Button" (نظام بدء التشغيل عن بُعد نشط - اضغط على زر بدء التشغيل) في شاشة عرض مجموعة أجهزة القياس حتى تضغط على زر START/STOP (بدء التشغيل/الإيقاف).

تنشيط إزالة الصقيع الأمامي من خلال بدء التشغيل عن بُعد — إذا كانت السيارة مزودة بذلك

عند تنشيط بدء التشغيل عن بُعد، وعندما تكون درجة الحرارة المحيطة الخارجية 4.5 درجات مئوية (40 درجة فهرنهايت) أو أقل من ذلك، سيقوم النظام بتنشيط إزالة الصقيع الأمامية أوتوماتيكياً لمدة 15 دقيقة أو أقل. يتوقف التوقيت على درجة الحرارة المحيطة. بمجرد أن ينتهي الوقت، سيقوم النظام بضبط الإعدادات أوتوماتيكياً وفقاً

يُستخدم نظام Remote Start (بدء التشغيل عن بُعد) لإزالة الصقيع من النوافذ في الطقس البارد والوصول إلى درجة حرارة مريحة في كل الظروف المحيطة قبل دخول السائق إلى السيارة.

ملاحظة:

قد تقلل العوائق بين السيارة وحافلة المفاتيح هذا النطاق.

تحذير!

- لا تبدأ تشغيل المحرك في مراب مغلق أو منطقة محكمة. يحتوي غاز العادم على أول أكسيد الكربون عديم اللون والرائحة. أول أكسيد الكربون سام ويمكن أن يسبب الإصابة الخطرة أو الوفاة عند استنشاقه.
- حافظ على بقاء حافلات المفاتيح بعيدًا عن متناول الأطفال. قد يتسبب تشغيل نظام بدء التشغيل عن بُعد والنوافذ وأقفال الأبواب أو عناصر التحكم الأخرى في التعرض لإصابة بالغة أو الوفاة.

كيفية استخدام بدء التشغيل عن بُعد

اضغط على زر Remote Start (بدء التشغيل عن بُعد) في حافلة المفاتيح مرتين خلال خمس ثوان، ثم حرره. يتم قفل أبواب السيارة، وتومض مصابيح التوقف، ثم ينطلق صوت آلة التنبيه مرتين (إذا تم برمجتها لذلك). يتم عندئذ تشغيل المحرك وتظل السيارة في وضع Remote Start (بدء التشغيل عن بُعد) لدورة تستغرق 15 دقيقة. يعمل الضغط على زر Remote Start (بدء التشغيل عن بُعد) لمرة ثالثة على إيقاف تشغيل المحرك.

ملاحظة:

- قد لا يمكن اكتشاف حافلة المفاتيح بواسطة نظام ميزة الحركة والتشغيل من دون مفتاح Keyless Enter 'n Go™، الخاص بالسيارة إذا كانت تقع بجوار هاتف محمول أو كمبيوتر محمول أو أي جهاز إلكتروني آخر، حيث قد تتسبب تلك الأجهزة في حجب إشارة حافلة المفاتيح اللاسلكية ومنع نظام ميزة الحركة والتشغيل من دون مفتاح Keyless Enter 'n Go™ من بدء تشغيل السيارة.
- للاطلاع على مزيد من المعلومات حول بدء التشغيل العادي للمحرك، راجع صفحة ١٣٢.
- عند فتح باب السائق ومفتاح التشغيل في وضع ON/ RUN (التشغيل/ الانطلاق) (المحرك لا يدور)، تصدر صافرة لتذكيرك بوضع مفتاح التشغيل في وضع OFF (إيقاف التشغيل). بالإضافة إلى صوت الصافرة، ستظهر الرسالة "Ignition or Accessory ON" (تشغيل الإشعال أو الملحقات) في لوحة مجموعة أجهزة القياس.

بدء التشغيل عن بُعد - إذا كانت السيارة مزودة بذلك

يستخدم هذا النظام حافلة المفاتيح لبدء تشغيل المحرك بسهولة من خارج السيارة مع الاستمرار في الحفاظ على الأمان. يبلغ نطاق النظام 100 متر (328 قدمًا) تقريبًا.



تحذير!

- يعد ترك الأطفال في السيارة من دون مراقبة أمرًا خطيرًا لأسباب عديدة. فقد يصاب الأطفال أو الآخرون بإصابات خطيرة أو مميتة. ومن ثم، يجب التنبيه على الأطفال بعدم لمس فرامل التوقف أو دواسرة الفرامل أو محدد التروس.
- لا تترك حافلة المفاتيح في السيارة أو بالقرب منها (أو في مكان يتمكن الأطفال من الوصول إليه)، ولا تترك ميزة الحركة والتشغيل من دون مفتاح Keyless Enter 'n Go™ ON/RUN في وضع (التشغيل/ الانطلاق). فباستطاعة الأطفال تشغيل النوافذ العاملة بالطاقة وأزرار التحكم الأخرى أو تحريك السيارة.
- لا تترك الأطفال أو الحيوانات داخل السيارات المتوقفة في الطقس الحار. فقد يؤدي ارتفاع درجة الحرارة الداخلية إلى حدوث إصابات خطيرة أو الوفاة.

تنبيه!

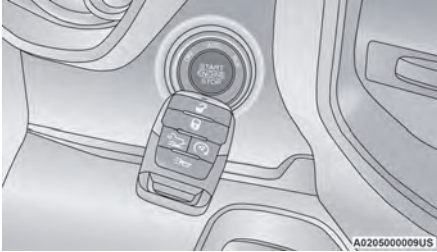
السيارة غير المقفلة مطمع للصوص. أخرج حافلة المفاتيح دائمًا من السيارة وأقفل جميع الأبواب عند ترك السيارة دون ملاحظة.

START (بدء التشغيل)

- سيبدأ تشغيل المحرك (عندما تكون القدم على الفرامل)

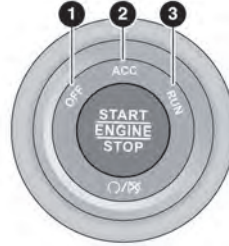
ملاحظة:

في حالة عدم تغير وضع مفتاح التشغيل بالضغط على الزر، فقد تكون بطارية حافظة المفاتيح منخفضة الشحن أو فارغة. وفي هذا الموقف، يمكن استخدام طريقة بديلة لتشغيل مفتاح التشغيل. ضع الجانب النائي (الجانب المواجه لمفتاح الطوارئ) من حافظة المفاتيح مواجهًا لزر التشغيل START/STOP (بدء التشغيل/إيقاف التشغيل) واضغط لتشغيل مفتاح التشغيل.

**طريقة بدء التشغيل البديلة****تحذير!**

- عند الخروج من السيارة، قم دائمًا بإخراج حافظة المفاتيح من السيارة وقم بقفّل السيارة.
- لا تترك أبدًا الأطفال بمفردهم في السيارة أو تسمح لهم بالاقتراب من سيارة غير مقفلة.

(تابع)



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بدء التشغيل بزر ضغطي بدون مفتاح

- 1 - OFF (إيقاف التشغيل)
- 2 - ACC (الملحقات)
- 3 - ON/RUN (التشغيل/الانطلاق)

يمكن وضع زر التشغيل الضغطي في الأوضاع التالية:

OFF (إيقاف التشغيل)

- يتم إيقاف المحرك
- تظل بعض الأجهزة الكهربائية (مثل الأقفال الكهربائية، والإنذار، وما إلى ذلك) متاحة

ACC (الملحقات)

- لم يتم بدء تشغيل المحرك
- تتوفر بعض الأجهزة الكهربائية (مثل فتحة السقف العاملة بالطاقة، والنوافذ العاملة بالطاقة، وغير ذلك)

ON/RUN (التشغيل/الانطلاق)

- وضع القيادة
- تتوفر كل الأجهزة الكهربائية (مثل مفاتيح التحكم في درجة الحرارة والمقاعد المسخنة، وما إلى ذلك)

تنبيه!

لا يتوافق نظام منع تشغيل المحرك لمفتاح سنتري كي Sentry Key مع بعض أنظمة التشغيل عن بُعد الموجودة في الأسواق. وقد يؤدي استعمال هذه الأنظمة إلى حصول مشاكل في التشغيل وفقدان الحماية التي يوفرها النظام.

إن جميع حافظات المفاتيح المزودة بها سيارتك الجديدة مبرمجة للعمل مع أنظمة السيارة الإلكترونية.

ملاحظة:

وتعتبر أيضًا حافظة المفاتيح التي لم تتم برمجتها مفتاحًا غير صالح.

مفتاح التشغيل

التشغيل عبر ميزة الحركة والتشغيل من دون مفتاح KEYLESS ENTER 'N GO™

تتيح هذه الميزة للسائق تشغيل مفتاح التشغيل بضغطه زر، طالما كانت حافظة المفاتيح في مقصورة الركاب.

يضم زر START/STOP (بدء التشغيل/الإيقاف) العديد من أوضاع التشغيل التي تشمل على تسميات وستضيء عندما تكون في الوضع الخاص بها. تلك الأوضاع هي OFF (إيقاف التشغيل)، و ACC (الملحقات)، و ON/RUN (التشغيل/الانطلاق)، و START (بدء التشغيل).

نظام سنترى كي SENTRY KEY

يمنع نظام منع تشغيل المحرك لمفتاح سنترى كي Sentry Key التشغيل غير المرخص به للسيارة وذلك عن طريق تعطيل المحرك. لا يحتاج النظام إلى التفعيل أو التنشيط. كما أنه يعمل أوتوماتيكياً بغض النظر عما إذا كانت السيارة مقفلة أم لا.

يستخدم النظام حافظة مفاتيح وزر الضغط الخاص بالتشغيل من دون مفاتيح وجهاز استقبال التردد اللاسلكي (RF) لمنع التشغيل غير المعتمد للسيارة. ولذلك لا يمكن استخدام أي حافظات مفاتيح أخرى لتشغيل السيارة غير تلك المبرمجة للعمل مع السيارة. لا يمكن للنظام برمجة حافظة مفاتيح تم الحصول عليها من سيارة أخرى.

بعد ضبط مفتاح التشغيل على وضع ON/RUN (التشغيل/الانطلاق)، سيضيء ضوء أمان السيارة لمدة ثلاث ثوانٍ للتحقق من تشغيل لمبته. إذا ظل الضوء مضاءً بعد التحقق من المصباح، فهذا يعني أن هناك مشكلة في الإلكترونيات. إضافة إلى ذلك، إذا بدأ الضوء بالوميض بعد الفحص بالمصباح، فهذا يعني أن شخصاً ما قد حاول بدء تشغيل المحرك باستخدام حافظة مفاتيح غير صالحة. في حالة استخدام حافظة مفاتيح صالحة لبدء تشغيل المحرك ولكن توجد مشكلة في الإلكترونيات السيارة، فسيتم بدء تشغيل المحرك وإيقاف تشغيله بعد ثانيتين.

إذا أضاء ضوء أمان السيارة أثناء التشغيل العادي للسيارة (تشغيل السيارة لمدة أطول من 10 ثوانٍ)، فهذا يعني أن هناك خطأ في الأجهزة الإلكترونية. وإذا حدث ذلك، فافحص السيارة بأسرع ما يمكن لدى وكيل معتمد.

تحذير!

- أخرج حافظات المفاتيح دوماً من السيارة وقم بقفل جميع الأبواب عند ترك السيارة دون مراقبة.
- بالنسبة إلى السيارات المجهزة بمفتاح تشغيل مزود بميزة الحركة والتشغيل من دون مفتاح Keyless 'n Go™، تذكر دائماً ضبط مفتاح التشغيل على وضع OFF (إيقاف التشغيل) عند الخروج من السيارة.

ويمكن عمل نسخ لحافظات المفاتيح لدى وكيل معتمد فقط. يتكون هذا الإجراء من برمجة حافظة مفاتيح جديدة مع إلكترونيات السيارة. وحافظة المفاتيح الجديدة هي تلك التي لم تتم برمجتها مسبقاً.

ملاحظة:

- عند إجراء خدمات الصيانة لنظام منع تشغيل المحرك لنظام Sentry Key، ينبغي إحضار جميع مفاتيح السيارة إلى الوكيل المعتمد.
- يجب طلب المفاتيح وفقاً للشكل الصحيح للمفتاح لكي يطابق أفعال السيارة.
- ليس تبديل حافظة المفاتيح ضرورياً عند الحاجة إلى مفتاح طوارئ جديد، والعكس صحيح.

تحذير!

- تحتوي حافظة المفاتيح المدمجة على بطارية خلوية دائرية. لا تبث البطارية، هناك خطورة إصابة بحروق كيميائية. إذا ابتلعت البطارية الخلوية الدائرية، فمن الممكن أن تسبب حروقاً داخلية جسيمة في غضون ساعتين فقط وقد تؤدي إلى الوفاة.
- إذا كنت تعتقد أن هناك بطارية تم بلعها أو أنها وضعت داخل أي جزء من الجسم، فالتمس العناية الطبية في الحال.
- احتفظ بالبطاريات الجديدة والمستعملة بعيداً عن متناول الأطفال. إذا لم تتغلق حجيرة البطارية بإحكام، فأوقف استخدام المنتج واحتفظ بها بعيداً عن متناول الأطفال.

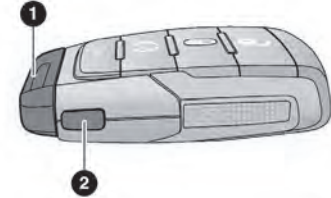
البرمجة وطلب حافظات مفاتيح إضافية

ويمكن تنفيذ برمجة حافظة المفاتيح بواسطة وكيل معتمد فقط.

ملاحظة:

- وبمجرد برمجة حافظة مفاتيح لاستخدامها مع إحدى السيارات، لا يمكن إعادة برمجتها لاستخدامها مع سيارة أخرى أو إعادة استعمالها لغرض آخر.
- يمكن استخدام حافظات المفاتيح التي تمت برمجتها للعمل مع إلكترونيات السيارة فقط لتشغيل السيارة.

1. أخرج مفتاح الطوارئ (1) بالضغط على زر تحرير مفتاح الطوارئ (2) الموجود على جانب حافظة المفاتيح بإحدى يديك مع سحب مفتاح الطوارئ إلى الخارج باستخدام اليد الأخرى.



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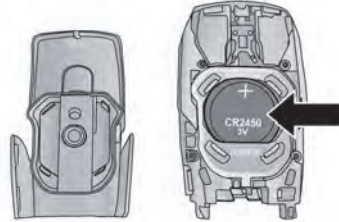
إخراج مفتاح الطوارئ

- 1 — مفتاح الطوارئ
2 — زر تحرير مفتاح الطوارئ

2. ثبت حافظة المفاتيح بحيث يتجه جانب الأزرار لأسفل، وحدد مكان الفتحة الصغيرة مستطيلة الشكل على الجانب الأيسر بين المبيت والغطاء الخلفي من حافظة المفاتيح. استخدم مفك براغي صغيراً (أو أداة مشابهة) لفتح الجانب الأيسر من غطاء حافظة المفاتيح مع الضغط حتى يفتح الغطاء.

3. بعد ذلك، حدد موقع الفتحة في الجانب الأيمن من حافظة المفاتيح، والتي تبعد عن الحافة مسافة أكبر من ابتعادها عن الفتحة في الجانب الأيسر. افتح الجانب الأيمن وفك الغطاء الخلفي.

4. قم بإزالة البطارية باستخدام إصبع الإبهام لتحريك البطارية لأسفل وللخلف تجاه حلقة المفتاح.



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موقع بطارية حافظة المفاتيح

ملاحظة:

عند استبدال البطارية، تأكد من اتجاه العلامة + في البطارية لأعلى. تجنب لمس البطارية الجديدة بأصابعك. فقد تسبب المواد التي يفرزها الجلد تلف البطارية. وإذا لمست البطارية، فظفها بالكحول.

5. استبدل البطارية باستخدام إصبع الإبهام للضغط على البطارية لأسفل وتحريكها أسفل الشفة الصغيرة في الحافة العليا من الفتحة.



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استبدال بطارية حافظة المفاتيح

6. لتجميع حاوية حافظة المفاتيح، قم بمحاذاة الحافة العلوية من الغطاء الخلفي مع الجزء العلوي من حافظة المفاتيح، واضغط على الحواف في المفاصل المتداخلة حتى يتم إغلاق كل الحواف معاً بدون وجود أي فجوات كبيرة ظاهرة.


7. أعد إدخال مفتاح الطوارئ حتى يثبت في مكانه.

ملاحظة:

يجب استبدال بطارية حافظة المفاتيح بواسطة فنيين مؤهلين فقط. عند الحاجة إلى استبدال البطارية، راجع وكيلا معتمداً.

لإلغاء خفض السيارة، اضغط على زر خفض التعليق الهوائي في حافظة المفاتيح مرة واحدة أثناء عملية الخفض. عند إلغاء خفض السيارة ستطلق آلة التنبيه صافرة مرتين وتومض مصابيح إشارة الانعطاف أربع مرات. بمجرد اكتمال الرفع، ستطلق آلة التنبيه صافرة تنبيه مرة واحدة.

ملاحظة:

ويتوفر مزيد من المعلومات عن التعليق الهوائي في موضع لاحق من هذا الدليل، انظر  صفحة ١٦٠.

استبدال البطارية في حافظة المفاتيح

طراز البطارية البديلة هو بطارية CR2450 واحدة.

ملاحظة:

- يوصى بأن يستخدم العملاء بطارية تم الحصول عليها من Mopar®. قد لا تفي أبعاد البطارية المستديرة بأبعاد البطارية المستديرة من الجهة المصنّعة للمعدات الأصلية (OEM).

- مادة البركلورات – التي تتطلب عناية خاصة.

- لا تلمس أقطاب البطارية الموجودة في المبيت الخلفي، أو لوحة الدائرة الكهربائية المطبوعة.

- لا تستبدل البطارية الدائرية ما دام مؤشر LED الموجود بحافظة المفاتيح فوق أزرار الصف العلوي يومض عند الضغط على أي زر. فمن المفترض أن تدوم البطارية الدائرية لمدة ثلاث سنوات على الأقل مع الاستخدام العادي للسيارة.

التعليق الهوائي (خفض السيارة عن بُعد) - إذا كانت السيارة مزودة بذلك



للدخول السهل والتحميل، يمكن خفض السيارة من خلال الضغط على زر خفض التعليق الهوائي بحافظة المفاتيح مرتين. عند طلب الخفض من التعليق الهوائي عن طريق حافظة

المفاتيح، تُصدر السيارة مجموعة من الصافرات والومضات لتنبيه العميل إلى بدء التشغيل وتستمر هذه التنبيهات حتى يتم خفض السيارة بنجاح.

يجب الوفاء بالشروط التالية لخفض السيارة عن بُعد:

- يجب ألا تكون السيارة بالفعل في ارتفاع الركوب Entry/Exit (الدخول/الخروج).
- يجب أن تكون بطارية السيارة مشحونة بالكامل.
- يجب أن تكون جميع الأبواب.
- يجب أن تكون حافظة المفاتيح خارج السيارة.
- يجب أن يكون محدد التروس في وضع PARK (التوقف).


ملاحظة:

تأكد من إبعاد أي أشخاص أو حيوانات أو أشياء أخرى عن السيارة قبل خفضها عن بُعد.

إلغاء الخفض عن بُعد

يمكن إلغاء خفض السيارة في أي وقت. عند إلغاء خفض السيارة، سترتفع السيارة إلى المستوى التالي المحدد ويتم قفل ميزة الخفض عن بُعد لمدة خمس ثوانٍ إلى أن يتم تقديم طلب جديد.

عند إلغاء قفل الأبواب، ستومض إشارات الانعطاف وسيتم تنشيط نظام الإضاءة عند دخول السيارة. عندما تكون الأبواب مقفولة، ستومض إشارات الانعطاف وينطلق صوت آلة التنبيه.

يمكن برمجة صوت آلة التنبيه الذي يصدر عند الضغط على زر القفل إلى وضع التشغيل/ إيقاف التشغيل عبر إعدادات Uconnect  صفحة ٢٢٩.

استخدام ميزة الارتياح

لتشغيل ميزة إنذار الارتياح أو إيقاف تشغيلها، اضغط على زر Panic (الارتياح) في حافظة المفاتيح. عند تنشيط ميزة إنذار الارتياح، تومض إشارات الانعطاف، وتحول آلة التنبيه ما بين إطلاق الصوت وإيقافه (إذا كانت السيارة مزودة بإنذار آلة التنبيه)، وتضيء المصابيح الداخلية.

تظل ميزة الارتياح في حالة تشغيل لمدة ثلاث دقائق ما لم توقفها إما بالضغط على زر Panic (الارتياح) مرة أخرى أو بقيادة السيارة بسرعة 24 كم/ساعة (15 ميلاً/الساعة) أو أكثر.

ملاحظة:

- تنطفئ المصابيح الداخلية عندما يتم ضبط مفتاح التشغيل على وضع ON/RUN (التشغيل/الانطلاق) في أثناء تنشيط ميزة إنذار الارتياح. ومع ذلك، سيستمر تشغيل المصابيح الخارجية وآلة التنبيه (إذا كانت السيارة مزودة بإنذار آلة التنبيه).

- قد يلزم أن تكون على بُعد لا يزيد على 11 متراً (35 قدمًا) من السيارة عند استخدام حافظة المفاتيح لإيقاف تشغيل ميزة الارتياح وذلك بسبب تشوش ترددات الراديو الصادر عن النظام.

التعرف على السيارة

في حالة عدم تغير مفتاح التشغيل بضغط زر، قد تكون بطارية حافظة المفاتيح منخفضة الشحن أو فارغة تمامًا. يمكن التحقق من انخفاض مستوى بطارية حافظة المفاتيح من خلال الرجوع إلى شاشة عرض مجموعة أجهزة القياس التي ستعرض الإجراء الذي يجب اتباعه.

ملاحظة:

قد تتم الإشارة إلى حالة انخفاض شحن بطارية حافظة المفاتيح من خلال رسالة في شاشة عرض مجموعة أجهزة القياس، أو بواسطة ضوء LED في حافظة المفاتيح. إذا لم يعد ضوء LED في حافظة المفاتيح يضيء عند الضغط على زر بحافظة المفاتيح، فهذا يعني أنه يجب استبدال بطارية حافظة المفاتيح.

لقفل/إلغاء قفل الأبواب وباب المؤخرة

يمكن برمجة كل الأبواب وباب المؤخرة وعلبة RamBox (إذا كانت السيارة مزودة بذلك) لإلغاء القفل عند الضغطة الأولى على زر إلغاء القفل أو بحيث تؤدي الضغطة الأولى إلى إلغاء قفل باب السائق فقط، ثم مرتين في غضون خمس ثوان لإلغاء قفل كل الأبواب وباب المؤخرة وعلبة RamBox (إذا كانت السيارة مزودة بذلك). لقفل كل الأبواب وباب المؤخرة وعلبة RamBox (إذا كانت السيارة مزودة بذلك)، اضغط على زر القفل مرة واحدة.

- عند وجود مفتاح الإشعال في وضع التشغيل وتحرك السيارة بسرعة ميلين/ ساعة (4 كم/ ساعة)، يجري تعطيل كل أوامر فتح الأبواب عن بُعد من دون مفاتيح (RKE).



حافظة المفاتيح

- 1 — ضوء مؤشر LED
- 2 — إلغاء القفل
- 3 — خفض باب المؤخرة (إذا كانت السيارة مزودة بذلك)
- 4 — خفض عن بُعد عبر التعليق الهوائي (إذا كانت السيارة مزودة بذلك)
- 5 — القفل
- 6 — بدء التشغيل عن بُعد (إذا كانت السيارة مزودة بذلك)
- 7 — الارتباب
- 8 — مفتاح الطوارئ

المفاتيح


حافظة المفاتيح

سيارتك مزودة بحافظة مفاتيح تدعم الدخول غير النشط، وفتح الأبواب عن بُعد من دون مفاتيح (RKE)، وميزة الحركة والتشغيل من دون مفتاح 'n Keyless Enter Go™ (إذا كانت السيارة مزودة بذلك) والخفض عن بُعد عبر التعليق الهوائي (إذا كانت السيارة مزودة بذلك)، وبدء التشغيل عن بُعد (إذا كانت السيارة مزودة بذلك). تسمح لك حافظة المفاتيح بفتح أو إلغاء قفل جميع الأبواب وباب المؤخرة وعلبة RamBox (إذا كانت السيارة مزودة بذلك) إضافة إلى تفعيل إنذار الارتباب من مسافات تصل إلى 66 قدمًا (20 مترًا) تقريبًا. وليست هناك حاجة إلى توجيه حافظة المفاتيح تجاه السيارة لتنشيط هذا النظام. كما تحتوي حافظة المفاتيح على مفتاح الطوارئ، والذي يتم تخزينه في الجزء الخلفي من حافظة المفاتيح.



ملاحظة:

- يمكن أن تُعاق الإشارة اللاسلكية لحافظة المفاتيح إذا كانت حافظة المفاتيح موجودة بجوار هاتف محمول، أو كمبيوتر محمول، أو جهاز إلكتروني آخر. فقد يتسبب ذلك في انخفاض الأداء.
- إذا كانت السيارة مزودة بلوحة شحن لاسلكية، فقد لا يمكن اكتشاف حافظة المفاتيح إذا كانت ضمن مسافة 15 سم (6 بوصات) من اللوحة. صفحة ٧٣.

أضواء المؤشرات باللون الأبيض	
ضوء مؤشر ضبط التحكم في السرعة صفحة ١٣٠	
ضوء مؤشر نظام التحكم في تحديد السرعة (SSC) صفحة ١٣٠	
ضوء مؤشر LaneSense (استشعار الحارة) صفحة ١٣٠	

أضواء المؤشرات باللون الأزرق	
ضوء مؤشر الضوء العالي صفحة ١٣٠	


أضواء المؤشرات باللون الأخضر	
ضوء مؤشر Snow Mode (وضع الثلج) صفحة ١٢٩	SNOW
ضوء مؤشر وضع Sport (القيادة الرياضية) صفحة ١٢٩	SPORT
ضوء مؤشر Tow Mode (وضع السحب) صفحة ١٢٩	TOW
ضوء مؤشر وضع Valet (الخدم) صفحة ١٢٩	VALET

أضواء المؤشرات باللون الأبيض	
ضوء مؤشر جاهزية وحدة التحكم في السرعة الثابتة المهيأة (ACC) صفحة ١٢٩	
ضوء مؤشر جاهزية التحكم في السرعة صفحة ١٢٩	

أضواء المؤشرات باللون الأخضر	
أضواء مؤشر إشارة الانعطاف صفحة ١٢٨	
ضوء مؤشر 4WD AUTO (الدفع الرباعي الأوتوماتيكي) صفحة ١٢٩	
ضوء مؤشر وضع Baja صفحة ١٢٩	
ضوء مؤشر الوضع Custom (المخصص) صفحة ١٢٩	
ضوء مؤشر وضع Mud/Sand (الوحل/الرمال) صفحة ١٢٩	
ضوء مؤشر وضع Rock (الصخور) صفحة ١٢٩	

أضواء المؤشرات باللون الأخضر	
ضوء مؤشر ضبط التحكم في السرعة صفحة ١٢٩	
ضوء مؤشر وضع ECO (ترشيد استهلاك الوقود) صفحة ١٢٨	
ضوء مؤشر الضباب الأمامي صفحة ١٢٨	
ضوء مؤشر LaneSense (استشعار الحارة) صفحة ١٢٨	
ضوء مؤشر تشغيل مصابيح التوقف/الأضواء الأمامية صفحة ١٢٨	
ضوء مؤشر الإيقاف/بدء التشغيل النشط صفحة ١٢٩	



أضواء المؤشرات باللون الأصفر	
ضوء مؤشر قفل محور الدوران الخلفي صفحة ١٢٧	
ضوء مؤشر الدفع الرباعي صفحة ١٢٨	
ضوء مؤشر 4WD Low (وضع الدفع الرباعي المنخفض) صفحة ١٢٨	
ضوء مؤشر 4WD High (الدفع الرباعي المرتفع) صفحة ١٢٨	

أضواء المؤشرات باللون الأخضر	
ضبط وحدة التحكم في السرعة الثابتة المهيأة (ACC) مع ضوء المؤشر الهدف صفحة ١٢٨	
ضبط وحدة التحكم في السرعة الثابتة المهيأة (ACC) مع ضوء مؤشر عدم اكتشاف هدف صفحة ١٢٨	

أضواء المؤشرات باللون الأصفر	
ضوء مؤشر الدخول/الخروج صفحة ١٢٧	
ضوء مؤشر إيقاف تشغيل تحذير التصادم الأمامي (FCW) صفحة ١٢٧	
ضوء مؤشر وضع NEUTRAL (اللاتعشيق) صفحة ١٢٧	
ضوء مؤشر الضباب الخلفي صفحة ١٢٧	
ضوء مؤشر مساعد دمج المقطورة صفحة ١٢٧	
ضوء مؤشر TOW/HAUL (الجر/السحب) صفحة ١٢٧	

أضواء المؤشرات باللون الأصفر	
ضوء مؤشر الطريق غير الممهّد 2 بنظام التعليق الهوائي صفحة ١٢٧	
ضوء مؤشر الارتفاع العادي لنظام التعليق الهوائي صفحة ١٢٦	
ضوء مؤشر الارتفاع الديناميكي الهوائي لنظام التعليق الهوائي صفحة ١٢٦	
ضوء مؤشر ارتفاع الركوب العادي لنظام التعليق الهوائي صفحة ١٢٧	
ضوء مؤشر خفض الركوب العادي لنظام التعليق الهوائي صفحة ١٢٧	
ضوء المؤشر النشط لضوء منطقة الحمولة صفحة ١٢٧	

أضواء التحذير باللون الأصفر	
ضوء التحذير بشأن خدمة نظام الإيقاف/البعد صفحة ١٢٥	
ضوء تحذيري لخدمة نظام الدفع الرباعي (4WD) صفحة ١٢٥	
ضوء تحذيري لصيانة نظام LaneSense صفحة ١٢٤	
ضوء تحذير نظام مراقبة ضغط هواء الإطارات (TPMS) صفحة ١٢٥	

أضواء المؤشرات باللون الأصفر	
ضوء مؤشر حماية الحمولة الصافية لنظام التعليق الهوائي صفحة ١٢٧	
ضوء مؤشر الطريق غير الممهّد 1 بنظام التعليق الهوائي صفحة ١٢٧	

أضواء التحذير باللون الأصفر	
ضوء التحذير من إيقاف تشغيل نظام التحكم في الاستقرار الإلكتروني (ESC) صفحة ١٢٤ ⇨	
ضوء تحذير مؤشر العطل (MIL)/فحص المحرك صفحة ١٢٤ ⇨	
ضوء تحذير انخفاض سائل الغاسلة صفحة ١٢٤ ⇨	
ضوء تحذير انخفاض مستوى الوقود صفحة ١٢٤ ⇨	
ضوء التحذير من وجود عطل في قفل محور الدوران الخلفي صفحة ١٢٥ ⇨	
ضوء صيانة تحذير التصادم الأمامي (FCW) صفحة ١٢٥ ⇨	

أضواء التحذير باللون الأصفر	
ضوء التحذير من وجود عطل بوحدة التحكم في السرعة الثابتة المهيأة (ACC) صفحة ١٢٣ ⇨	
ضوء التحذير من عطل بنظام التعليق الهوائي صفحة ١٢٣ ⇨	
ضوء تحذير نظام الفرامل المانعة للانغلاق (ABS) صفحة ١٢٣ ⇨	
ضوء التحذير من وجود عطل بنظام التحكم في السرعة الثابتة صفحة ١٢٥ ⇨	
ضوء تحذير فرامل التوقف الكهربائية صفحة ١٢٤ ⇨	
ضوء التحذير من تنشيط نظام التحكم في الاستقرار الإلكتروني (ESC) صفحة ١٢٤ ⇨	

أضواء التحذير باللون الأحمر	
ضوء تحذير التنكير بربط حزام الأمان صفحة ١٢٢ ⇨	
ضوء تحذير السرعة صفحة ١٢٣ ⇨	
ضوء تحذير فتح باب المؤخرة صفحة ١٢٣ ⇨	
ضوء تحذير فصل فرامل المقطورة صفحة ١٢٣ ⇨	
مصباح تحذير درجة حرارة ناقل الحركة صفحة ١٢٣ ⇨	
الضوء التحذيري لميزة أمان السيارة صفحة ١٢٣ ⇨	

أضواء التحذير باللون الأحمر	
ضوء تحذير نظام التحكم الإلكتروني في صمام الاختناق (ETC) صفحة ١٢٢ ⇨	
مصباح تحذير تعطل التوجيه المعزز كهربياً (EPS) صفحة ١٢١ ⇨	
ضوء تحذير درجة حرارة سائل تبريد المحرك صفحة ١٢٢ ⇨	
ضوء تحذير فتح غطاء المحرك صفحة ١٢٢ ⇨	
ضوء تحذيري بشأن ضغط الزيت صفحة ١٢٢ ⇨	
ضوء تحذير درجة حرارة الزيت صفحة ١٢٢ ⇨	

مسرد الرموز

تشتمل بعض مكونات السيارة على ملصقات ملونة تشير رموزها إلى الاحتياطات التي ينبغي مراعاتها عند استخدام هذا المكون. من المهم اتباع كل التحذيرات عند تشغيل سيارتك. انظر أدناه للحصول على تعريف كل رمز ➡ صفحة ١٢٠.

ملاحظة:

يختلف التحذير وضوء المؤشر بناءً على خيارات المعدات وحالة السيارة الحالية. تكون بعض الأضواء المؤشرة اختيارية وقد لا تظهر.

أضواء التحذير باللون الأحمر	
ضوء تحذيري بشأن الوسادة الهوائية ➡ صفحة ١٢٠	
ضوء تحذيري بشأن شحن البطارية ➡ صفحة ١٢١	
ضوء تحذيري بشأن الفرامل ➡ صفحة ١٢١	
ضوء تحذيري بشأن ترك الباب مفتوحاً ➡ صفحة ١٢١	

عند استخدام الشاحنة لحمل مقطورة تخييم منزلفة، يتكون الحمل الإجمالي لحمولة الشاحنة من بيان وزن مقطورة التخييم الخاصة بالشركة المصنعة، ووزن معدات مقطورة التخييم الإضافية المركبة غير المضمنة في بيان وزن مقطورة التخييم الخاص بالشركة المصنعة، ووزن حمولة مقطورة التخييم، ووزن الركاب في مقطورة التخييم. يجب ألا يتجاوز الحمل الإجمالي للحمولة معدل وزن الحمولة للشاحنة، كما يجب أن يقع مركز جاذبية مقطورة التخييم ضمن منطقة مركز الجاذبية CG الموصى بها للشاحنة عند التركيب.

قم بتثبيت العناصر غير المحكمة الربط لمنع تغيرات الوزن التي قد تؤثر في توازن السيارة. عند تحميل مقطورة التخييم في الشاحنة، قم بالقيادة إلى ميزان وقم بوزن العجلات الأمامية والخلفية بشكل منفصل لتحديد أحمال محور الدوران. يجب ألا تتجاوز أحمال المحور الفردية أيًا من معدلات الوزن الإجمالي لمحور الدوران (GAWR). يجب ألا يتجاوز إجمالي أحمال المحور تقدير الوزن الإجمالي للسيارة (GVWR). إذا تم تجاوز معدلات الوزن، فقم بتحريك العناصر أو إزالتها للحصول على وزن إجمالي أقل من التقديرات.

ملاحظة:

تتوفر هذه التقديرات أيضًا على ملصق شهادة توثيق السيارة الموجود على العمود الفاصل بين النوافذ B في جانب السائق. انظر ➡ صفحة ٢٠٤ لمزيد من المعلومات. ولأي تعليمات إضافية، يُرجى التواصل مع الجهة المُصنِّعة للتعديلات/مقطورة التخييم أو مع وكيل مصرح به.

تطبيقات مقطورات النوم - طراز TRX فقط

لا يُنصح باستخدام هذه السيارة لمقطورات النوم المتنقلة.

التعديلات/التغييرات في السيارة

تحذير!

إن إدخال أي تعديلات أو تغييرات على السيارة قد يؤثر بصورة كبيرة على إمكانية قيادة السيارة وسلامتها وقد يؤدي إلى حدوث تصادم يسفر عن إصابات خطيرة أو الوفاة.

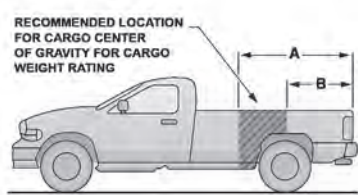


Figure 1

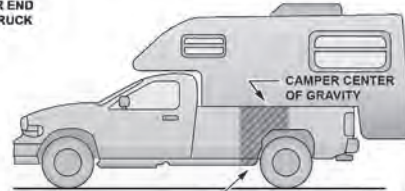


Figure 2

A0105000004US

A — حد الحركة الأمامية لمركز جاذبية مقطورة التخييم
B — الحد الخلفي من مركز جاذبية مقطورة التخييم

تعديلات العربات/وحدات المعسكرات

لا يسري ضمان السيارة الجديدة المحدود على التعديلات التي تتم على جسم السيارة أو المعدات الخاصة التي يتم تركيبها بواسطة الجهات المصنعة لتعديلات العربات/وحدات المعسكرات أو الجهات المصنعة للأجسام. وتتضمن هذه المعدات شاشات الفيديو وأجهزة DVD/ Blu-Ray™ ومدفآت والمواقد والثلاجات، إلخ. للحصول على معلومات بخصوص تغطية الضمان وخدمة هذه العناصر، يرجى الاتصال بالجهة المُصنِّعة المناسبة.

معلومات المستهلك — تحميل معدات التخيم بالشاحنات

يتم توفير مستند مقطورة تخيم منزلة في صندوق القفزات في سيارتك والذي يحتوي على رقم تعريف السيارة، وطراز الشاحنة، ومعدل وزن الحمولة، والحد الأمامي/الخلفي لمقطورة التخيم. للحصول على مواصفات إضافية خاصة بالأبعاد والمواصفات الفنية لسيارتك، يرجى زيارة <https://www.ramtrucks.com>.

يوضح الشكل 1 الأبعاد التي تصف الحدود الأمامية والخلفية للمنطقة التي يجب أن يوجد فيها مركز الجاذبية (CG) الخاص بمقطورة التخيم المنزلة وذلك لتوفير قيادة مُرضية للسيارة ولمنع الحمل الزائد على المحورين الأمامي والخلفي. توضح الصورة 2 التشابه المناسب بين الشاحنة ومقطورة التخيم.

ملاحظة:

يقع مركز الجاذبية في مقطورة التخيم داخل المنطقة المحددة.

ملاحظة هامة

تستند كل محتويات هذه النشرة إلى آخر المعلومات المتوفرة عند الحصول على الموافقة على النشر. ويحتفظ بحق نشر أي إضافات أو تعديلات في أي وقت. بعد قراءتك لدليل المالك ينبغي أن تحتفظ به في السيارة كمرجع مفيد، كما ينبغي أن يلازم السيارة عند بيعها إلى شخص آخر.

ويتضمن دليل المالك هذا شرحاً ووصفاً لميزات ثابتة أو ميزات اختيارية يتم توفيرها بسعر إضافي. لذلك قد لا يتوفر كل ما هو موجود في هذا الدليل من معدات أو ملحقات في سيارتك.

ملاحظة:

تأكد من قراءة دليل المالك قبل قيادة السيارة وقبل إضافة أو تركيب أي قطع غيار أو ملحقات أو إدخال أي تعديلات أخرى على هذه السيارة.

نظرًا إلى تعدد قطع الغيار والملحقات المتوفرة في السوق بواسطة جهات مُصنّعة متعددة، لا يمكن لشركة FCA التأكد من عدم تأثر سلامة قيادة سيارتك إذا قمت بتركيب قطع الغيار هذه أو تثبيتها. وحتى إذا تم ترخيص هذه القطع بطريقة رسمية (وذلك، على سبيل المثال، بالحصول على رخصة عامة عند تصنيع القطع أو بتصميم موافق عليه بصورة رسمية) أو بإصدار رخصة تشغيل شخصية للسيارة بعد إضافة أو تركيب مثل هذه القطع ليس بالإمكان الافتراض ضمناً عدم تأثر سلامة قيادة السيارة. ولهذا السبب لا يحتمل الخبراء الفنيون ولا الوكالات الرسمية أي مسؤولية عن ذلك. وتتحمل FCA المسؤولية فقط عن قطع الغيار المرخصة صراحة والموصى بها من قبله والتي يتم إضافتها أو تركيبها من قبل الوكيل المعتمد. وينطبق نفس الشيء عند إجراء تعديلات بعد ذلك على الحالة الأصلية لسيارات FCA.

لا تشمل الضمانات أي قطعة لم يتم تزويدها من قبل FCA. ولا تشمل تكلفة أي تصلحيات أو تعديلات قد تجرى أو تلزم نتيجة استعمال أو تركيب هذه القطع أو الأجزاء أو المعدات أو المواد أو المواد المضافة التي لم يتم تزويدها من قبل المصنّع. ولا يشمل الضمان تكلفة إصلاح الأضرار أو الحالات الناجمة عن أي تغييرات يتم إدخالها على سيارتك ولا تتوافق مع مواصفات FCA.

وتحتفظ شركة FCA بحق تغيير التصميمات والمواصفات و/أو إدخال الإضافات أو التعديلات على منتجاتها دون أي التزام بتركيبها على منتجات تم تصنيعها مسبقاً.

مفتاح الرموز

تحذير!	تنطبق هذه العبارات على إجراءات التشغيل التي قد تؤدي إلى حدوث تصادم أو حدوث إصابات بدنية و/أو الوفاة.
تنبيه!	تنطبق هذه العبارات على الإجراءات التي قد تتسبب في تلف سيارتك.
ملاحظة:	اقترح من شأنه تحسين التركيب والتشغيل والاعتمادية. وقد يسبب ضرراً إذا لم يتم اتباعه.
تلميح:	أفكار/حلول/اقتراحات عامة حول الاستخدام الأسهل للمنتج أو الوظيفة.
سهم الصفحة المرجعية	اتبع هذا المرجع للحصول على معلومات إضافية حول ميزة معينة.
	
حاشية سفلية	معلومات تكميلية وذات صلة بالموضوع.
	

قد تفوتك معلومات هامة إذا لم تقرأ دليل المالك بأكمله. قم بمراجعة كل التنبيهات والتحذيرات.

مقدمة

عملينا العزيز،

تهانينا بشراء سيارة Ram الجديدة. كن واثقا من أنها تمثل الدقة في الصنع والتصميم المميز والجودة الفائقة.

هذه السيارة للخدمة الخاصة. حيث يمكنها السير في أماكن وإنجاز مهام لا يمكن لسيارات الركاب التقليدية القيام بها. إن التعامل مع هذه السيارة والمناورة بها يختلف عن العديد من سيارات الركاب عند القيادة على كل من الطرق الممهدة والطرق غير الممهدة، لذا يجب عليك أخذ الوقت الكافي للتعرف على سيارتك. تم تصميم الإصدار ثنائي الدفع من هذه السيارة، إذا كانت السيارة مزودة بذلك، للاستخدام على الطرق الممهدة فقط. وهي ليست مصممة للقيادة على الطرق غير الممهدة في التضاريس الصعبة أو للاستخدام في الظروف الشاقة الملائمة للسيارة الرباعية الدفع. قبل أن تبدأ في قيادة هذه السيارة، اقرأ دليل المالك. تأكد من معرفة جميع مفاتيح التحكم بالسيارة، وخاصة تلك التي تستخدم للفرامل وعجلة القيادة وناقل الحركة وتغيير علبه النقل. واطلع على قدرات سيارتك في مختلف الطرق. سوف تتحسن مهارات القيادة السيارة مع الممارسة والتجربة. عند القيادة على طرق غير ممهدة، أو تشغيل السيارة، لا تقم بتحميل السيارة بصورة مفرطة ولا تتوقع أن تتغلب السيارة على قوانين الطبيعة. ينبغي دوماً مراعاة القوانين الحكومية والإقليمية والمحلية حيثما كنت تقود. قد يؤدي عدم تشغيل هذه السيارة بشكل صحيح، كما هو الحال مع السيارات الأخرى من النوع نفسه، إلى فقدان السيطرة عليها أو حدوث تصادم. [صفحة ٢٢١](#).

تم إعداد دليل المالك هذا بمساعدة متخصصين في الصيانة والهندسة لتعريفك بكيفية تشغيل سيارتك وصيانتها. وملحق بهذا الدليل وثائق موجهة للعلاء. ستجد في هذه المعلومات وصفاً للخدمات التي تقدمها شركة FCA إلى عملائها، بالإضافة إلى شهادة الضمان والتفاصيل المتعلقة بالشروط والأحكام للمحافظة على صلاحية الضمان. يرجى قضاء الوقت الكافي لقراءة كل المنشورات بعناية قبل قيادة سيارتك للمرة الأولى. حيث إن اتباع التعليمات والتوصيات والتلميحات والتحذيرات المهمة الواردة في هذا الدليل ستساعد على ضمان السلامة والتشغيل الممتع لسيارتك.

يصف دليل المالك هذا كل إصدارات هذه السيارة. لم ترد في النص معلومات صريحة ذات صلة بالخيارات والمعدات المخصصة لأسواق أو إصدارات بعينها. لذا، يجب أن تضع في اعتبارك فقط المعلومات ذات الصلة بمستوى التجهيزات والمحرك والإصدار الذي اشتريته. وسيتم تعريف أي محتوى وارد في معلومات المالك بالكامل، والذي قد يكون منطبقاً على سيارتك أو غير منطبق، بكلمة "إذا كانت السيارة مزودة بذلك". الغرض من كل البيانات الواردة في هذا المنشور هو مساعدتك على استخدام سيارتك بأفضل طريقة ممكنة. وتهدف شركة FCA إلى التحسين المستمر للسيارات التي يتم إنتاجها. ولهذا السبب، تحتفظ الشركة بالحق في إجراء تغييرات على الطراز الوارد وصفه لأسباب فنية و/أو تجارية. للحصول على مزيد من المعلومات، اتصل بالوكيل المعتمد.

عندما يتعلق الأمر بالصيانة، تذكر أن لدى الوكلاء المعتمدين خبرة واسعة بسيارة Ram وفنيين مدربين بالمصنع وقطع الغيار الأصلية من Mopar®، وأنهم يعتنون بتلبية طلباتك.

الإطارات	٣٩٣	محرك سعة 5.7 لترات	٤٠٦
معلومات السلامة الخاصة بالإطارات	٣٩٣	محرك فائق الشحن سعة 6.2 لترات	٤٠٦
أنواع الإطارات	٣٩٧	الميثانول	٤٠٧
الإطارات الاحتياطية — إذا كانت السيارة		الإيثانول	٤٠٧
مزودة بذلك	٣٩٧	بنزين الهواء النقي	٤٠٧
العناية بالعجلة وحافتها	٣٩٩	البنزين المعدل	٤٠٧
توصيات عن تغيير مواقع الإطارات	٤٠٠	لا تستخدم الوقود E-85 مع السيارات	
تخزين السيارة	٤٠٠	التي لا تدعم الوقود المُحسّن	٤٠٧
وضع تخزين البطارية - TRX	٤٠٠	تعديلات نظام الوقود بالغاز الطبيعي المضغوط	
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الحماية من العوامل الجوية	٤٠١	تريكرينول ميثيلسايكلوبنتادينيل المنجنيز	
صيانة الجزء السفلي من السيارة وهيكلها	٤٠١	(MMT)	٤٠٨
المحافظة على هيكل السيارة	٤٠١	سعات السوائل	٤٠٨
الداخلية	٤٠٣	السوائل وزيت تشحيم المحرك	٤٠٩
المقاعد والأجزاء القماشية	٤٠٣	زيت تشحيم وسوائل الشاسيه	٤١٠
الأجزاء البلاستيكية والمغطاة	٤٠٣	مساعدة العملاء	
الأسطح الجلدية	٤٠٤	مساعدة العملاء	٤١١
الأسطح الزجاجية	٤٠٤	FCA International Operations	
المواصفات الفنية		LLC	٤١١
رقم تعريف السيارة (VIN)	٤٠٥	خدمة القطر	٤١١
نظام الفرامل	٤٠٥	عقد الصيانة	٤١١
مواصفات عزم العجلة والإطار	٤٠٥	معلومات الضمان	٤١١
مواصفات العزم	٤٠٥		
الوقود المتطلبات	٤٠٦		
المحرك سعة 3.6 لترات	٤٠٦		

محرك سعة 5.7 لتر بدون نظام الإيقاف/بدء التشغيل	٣٥٧	تعليمات الرفع	٣٤٣	نظام مراقبة ضغط هواء الإطارات (TPMS)	٢٩٨
محرك سعة 5.7 لتر مع نظام الإيقاف/بدء التشغيل	٣٥٨	إعادة تركيب الرافعة والأدوات	٣٤٧	أنظمة تثبيت الركاب	٣٠٤
محرك سعة 6.2 لترات فانق الشحن (تمت إزالة غطاء الزيت)	٣٥٩	تشغيل سيارة ذات بطارية ضعيفة بتوصيلها ببطارية أخرى	٣٤٨	ميزات أنظمة تثبيت الركاب	٣٠٤
فحص مستوى الزيت	٣٦٠	التحضيرات لتشغيل سيارة ذات بطارية ضعيفة بتوصيلها ببطارية معززة	٣٤٨	احتياطات السلامة الهامة	٣٠٤
إضافة سائل الغسالة	٣٦٠	إجراء تشغيل سيارة ذات بطارية ضعيفة بتوصيلها ببطارية أخرى	٣٤٩	أنظمة أحزمة الأمان	٣٠٥
بطارية لا تحتاج إلى صيانة	٣٦٠	التزود بالوقود في حالات الطوارئ	٣٥٠	أنظمة التثبيت الإضافية (SRS)	٣١٠
الغسل بالضغط	٣٦١	في حالة ارتفاع درجة حرارة المحرك بشكل زائد عن الحد	٣٥١	أنظمة تثبيت الأطفال	٣٢٢
صيانة السيارة	٣٦١	تحرير التوقف اليدوي	٣٥٢	نصائح السلامة	٣٣٣
المحرك الزيت	٣٦١	إخراج سيارة عالقة	٣٥٣	نقل الركاب	٣٣٣
المحرك فلتر الزيت	٣٦٢	سحب سيارة معطلة	٣٥٣	نقل الحيوانات الأليفة	٣٣٤
فلتر تنقية هواء المحرك	٣٦٣	طرز الدفع الرباعي	٣٥٤	السيارات المتصلة	٣٣٤
صيانة مكيف الهواء	٣٦٥	خطاطيف السحب في حالات الطوارئ -	٣٥٥	فحوص السلامة التي يجب إجراؤها داخل السيارة	٣٣٤
فحص سير تشغيل الملحقات	٣٦٨	إذا كانت السيارة مزودة بذلك	٣٥٥	فحوصات السلامة الدورية التي يجب إجراؤها خارج السيارة	٣٣٥
تشحيم هيكل السيارة	٣٦٨	نظام الاستجابة للحوادث المحسن (EARS)	٣٥٥	غاز العادم	٣٣٦
شفرة ماسحة الزجاج الأمامي	٣٦٩	جهاز تسجيل بيانات الحوادث (EDR)	٣٥٥	تحذيرات أول أكسيد الكربون	٣٣٦
نظام العادم	٣٧٠	الخدمة والصيانة		في حالات الطوارئ	
نظام التبريد	٣٧١	الصيانة الدورية	٣٥٦	وامضات التحذير من الخطر	٣٣٧
نظام الفرامل	٣٧٤	غرفة المحرك	٣٥٦	مكالمة الطوارئ SOS —	
ناقل الحركة الأوتوماتيكي	٣٧٤	محرك سعة 3.6 لتر مع نظام الإيقاف/بدء التشغيل	٣٥٦	إذا كانت السيارة مزودة بذلك	٣٣٧
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