



Grand Cherokee

OPERATING INFORMATION

OWNER REGISTRATION CERTIFICATE

Selling Dealer
Signature _____

Make _____

Model _____

Registration No. _____
or License No. _____

ADDRESS:

Telephone Number:

Private _____

Business_____

I have provided and explained the following:

OPERATING MANUAL
(Vehicle Handbook) ☐

VEHICLE ☐PRE DELIVERY INSPECTION ☐

CUSTOMER

SIGNATURE: _____

DEALER

SIGNATURE: _____

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INTRODUCTION

Congratulations on selecting your new FCA US LLC vehicle. Be assured that it represents precision workmanship, distinctive styling, and high quality - all essentials that are traditional to our vehicles.

This is a specialized utility vehicle. It can go places and perform tasks that conventional passenger cars are not intended. It handles and maneuvers differently from many passenger cars both on-road and off-road, so take time to become familiar with your vehicle.

The two-wheel drive version of this vehicle was designed for on-road use only. It is not intended for off-road driving 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 and all the Supplements. Be sure you are familiar with all vehicle controls, particularly those used for braking, steering, and transmission and transfer case shifting. Learn how your vehicle handles on different road surfaces. Your driving skills will improve with experience, but as in driving any vehicle, take it easy as you begin. When driving off-road

or working the vehicle, don't overload it or expect it to overcome the forces of nature. Always observe 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. Be sure to read the "On-Road/ Off-Road Driving Tips" in "Starting And Operating" for further information.

NOTE:

After reviewing the owner information, it should be stored in the vehicle for convenient referencing and remain with the vehicle when sold.

Failure to operate this vehicle correctly may result in loss of control or a collision.

Operating this vehicle at excessive speeds or while intoxicated may result in loss of control, collision with other vehicles or objects, going off the road, or overturning; any of which may lead to serious injury or death. Also, failure to use seat belts subjects the driver and passengers to a greater risk of injury or death.

To keep your vehicle running at its best, have your vehicle serviced at recommended intervals

by an authorized dealer or distributor who has the qualified personnel, special tools and equipment to perform all service.

The manufacturer and its distributors are vitally interested in your complete satisfaction with this vehicle. If you encounter a service or warranty problem which is not resolved to your satisfaction, discuss the matter with your authorized dealer or distributor's management.

Your authorized dealer or distributor will be happy to assist you with any questions about your vehicle.

ROLLOVER WARNING

Utility vehicles have a significantly higher rollover rate than other types of vehicles. This vehicle has a higher ground clearance and a higher center of gravity than many passenger vehicles. It is capable of performing better in a wide variety of off-road applications. Driven in an unsafe manner, all vehicles can go out of control. Because of the higher center of gravity, if this vehicle is out of control it may roll over when some other vehicles may not.

Do not attempt sharp turns, abrupt maneuvers, or other unsafe driving actions that can cause loss of vehicle control. Failure to operate this vehicle safely may result in a collision, rollover of the vehicle, and severe or fatal injury. Drive carefully.



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Rollover Warning Label

Failure to use the driver and passenger seat belts provided is a major cause of severe or fatal injury. In a rollover crash, an unbelted person is significantly more likely to die than a person wearing a seat belt. Always buckle up.

IMPORTANT NOTICE

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

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 new vehicle. It is supplemented by a Warranty Information Booklet and various customer-oriented documents. You are urged to read these publications carefully. Following the instructions and recommendations in this Owner's Manual will help assure safe and enjoyable operation of your vehicle.

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 manufacturer 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.

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, the manufacturer 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. The manufacturer only assumes responsibility when parts, which are expressly authorized or recommended by the manufacturer, are attached or installed at an authorized dealer. The same applies when modifications to the original condition are subsequently made on the manufacturer's vehicles.

Your warranties do not cover any part that the manufacturer 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 the manufacturer's specifications.

When it comes to service, remember that your authorized dealer knows your Jeep® vehicle best, has factory-trained technicians and genuine MOPAR® parts, and cares about your satisfaction.

HOW TO USE THIS MANUAL

Consult the Table of Contents to determine which section contains the information you desire.

Since the specification of your vehicle depends on the items of equipment ordered, certain descriptions and illustrations may differ from your vehicle's equipment.

The detailed index at the back of this Owner's Manual contains a complete listing of all subjects.

Consult the following table for a description of the symbols that may be used on your vehicle or throughout this Owner's Manual:



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WARNINGS AND CAUTIONS

This Owner's Manual contains **WARNINGS** against operating procedures that could result in a collision, bodily injury and/or death. It also contains **CAUTIONS** against procedures that could result in damage to your vehicle. If you do not read this entire Owner's Manual, you may miss important information. Observe all Warnings and Cautions.

VEHICLE IDENTIFICATION NUMBER

The Vehicle Identification Number (VIN) is found on a plate located on the left front corner of the instrument panel pad, visible from outside of the vehicle through the windshield. This number also is stamped into the right front body, behind the right front seat. Move the right front seat forward and lift battery cover to view the stamped VIN.

The VIN is also stamped on either right or left hand side of the engine block.



VIN Location



Right Front Body VIN Location

NOTE:

It is illegal to remove or alter the VIN.

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.

THINGS TO KNOW BEFORE STARTING YOUR VEHICLE

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A WORD ABOUT YOUR KEYS

Your vehicle uses a keyless ignition system. This system includes a RKE Key Fob and a Keyless Push Button Ignition.

Keyless Push Button Ignition

This feature allows the driver to operate the ignition with the push of a button, as long as the RKE Key Fob is in the passenger compartment.

The Keyless Push Button Ignition has four operating positions; three of which are labeled and will illuminate when in position. The three positions are OFF, ACC, and ON/RUN. The fourth position is START, during start RUN will illuminate.

NOTE:

In case the ignition position does not change with the push of a button, the RKE Key Fob may have a low or dead battery. In this situation, a back up method can be used to operate the keyless push button ignition. Put the nose side (side opposite of the emergency key) of the RKE Key Fob against the keyless ignition push button and push to operate the ignition.



Keyless Push Button Ignition

RKE Key Fob

The RKE Key Fob contains an emergency key, which stores in the rear of the RKE Key Fob.

The emergency key allows for entry into the vehicle should the battery in the vehicle or the RKE Key Fob go dead. The emergency key is also for locking the glove compartment. You can keep the emergency key with you when valet parking.

To remove the emergency key, slide the mechanical latch at the top of the RKE Key Fob sideways with your thumb and then pull the key out with your other hand.



RKE Key Fob With Emergency Key

NOTE:

You can insert the double-sided emergency key into the lock cylinders with either side up.

Ignition Or Accessory On Message

When opening the driver's door when the ignition is in ACC or ON (engine not running), a chime will sound to remind you to cycle the ignition to OFF. In addition to the chime, the ignition or accessory on message will display in the cluster.

NOTE:

With the Uconnect system, the power window switches, radio, power sunroof (if equipped), and power outlets 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 for this feature is programmable. Refer to "Uconnect Settings" in "Understanding Your Instrument Panel" for further information.

WARNING!

- Before exiting a vehicle, always shift the transmission into PARK, apply the parking brake, turn the engine OFF, remove the RKE Key Fob from the ignition and lock your vehicle. If equipped with Keyless Enter-N-Go, always make sure the keyless ignition node is in "OFF" mode, remove the RKE 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.

(Continued)

WARNING! *(Continued)*

- Do not leave the RKE 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 mode. 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 build-up may cause serious injury or death.

CAUTION!

An unlocked vehicle is an invitation. Always remove the RKE Key Fobs from vehicle, place the ignition in the OFF position and lock all doors when leaving the vehicle unattended.

STEERING WHEEL LOCK — IF EQUIPPED

Your vehicle may be equipped with a passive electronic steering wheel lock. This lock prevents steering the vehicle with the ignition OFF. The steering wheel lock releases with the ignition On. If the lock does not disengage and the vehicle does not start, turn the wheel to the left and right to disengage the lock.

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 a factory-mated RKE Key Fob, a Keyless Push Button Ignition and a RF receiver to prevent unauthorized vehicle operation.

Therefore, only RKE Key Fobs that are programmed to the vehicle can be used to start and operate the vehicle. The system will not allow the engine to crank with an invalid RKE Key Fob.

After placing the ignition to 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 system. In addition, if the light begins to flash after the bulb check, it indicates that someone tried to use an invalid RKE Key Fob to start the engine. Either of these conditions will result in the engine being 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 system. Should this occur, have

the vehicle serviced as soon as possible by an authorized dealer.

CAUTION!

- Do not make modifications or alterations to the immobilizer system. Modifications or alterations to the immobilization system may result in a loss of security protection.
- The Sentry Key Immobilizer system is not compatible with some aftermarket remote starting systems. Use of these systems may result in vehicle starting problems and loss of security protection.

All of the RKE Key Fobs provided with your new vehicle have been programmed to the vehicle electronics.

Replacement RKE Key Fobs

NOTE:

Only RKE Key Fobs that are programmed to the vehicle electronics can be used to start and operate the vehicle. Once a RKE Key Fob is programmed to a vehicle, it cannot be programmed to any other vehicle.

CAUTION!

- Always remove the RKE Key Fobs from the vehicle and lock all doors when leaving the vehicle unattended.
- With Keyless Enter-N-Go — Ignition, always remember to place the ignition in the OFF position.

Duplication of RKE Key Fobs may be performed at an authorized dealer.

NOTE:

When having the Sentry Key Immobilizer system serviced, bring all vehicle ignition keys with you to an authorized dealer.

Customer RKE Key Fob Programming

Programming RKE Key Fobs may be performed at an authorized dealer.

VEHICLE SECURITY ALARM — IF EQUIPPED

This Vehicle Security Alarm monitors the vehicle doors, hood, liftgate and ignition for unauthorized operation. When the alarm is armed, the interior switches for door locks, and power liftgate are disabled. If something triggers the alarm, the Vehicle Security Alarm will provide the following audible and visible signals: the horn will pulse, and the park lamps and/or turn signals will flash.

To Arm The System

Follow these steps to arm the Vehicle Security Alarm:

1. Make sure the vehicle's ignition is cycled to the "OFF" position (refer to "Starting Procedures" in "Starting And Operating" for further information).

- For vehicles equipped with Keyless Enter-N-Go, make sure the vehicle ignition system is OFF.
2. Perform one of the following methods to lock the vehicle:
 - Push 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 (refer to "Keyless Enter-N-Go" in "Things To Know Before Starting Your Vehicle" for further information).
 - Push the LOCK  button on the Remote Keyless Entry (RKE) Key Fob.
 3. If any doors are open, close them.

To Disarm The System

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

- Push the UNLOCK  button on the Remote Keyless Entry (RKE) Key Fob.

- Grasp the Passive Entry Unlock Door Handle (if equipped, refer to "Keyless Enter-N-Go" in "Things To Know Before Starting Your Vehicle" for further information).
- Cycle the vehicle ignition system out of the OFF position.
 - For vehicles equipped with Keyless Enter-N-Go, push the Keyless Enter-N-Go START/STOP button (requires at least one valid Key Fob in the vehicle).

NOTE:

- **The driver's door key cylinder and the liftgate button on the RKE Key Fob cannot arm or disarm the Vehicle Security Alarm.**
- **The Vehicle Security Alarm remains armed during power liftgate entry. Pushing the liftgate button will not disarm the Vehicle Security Alarm. If someone enters the vehicle through the liftgate and opens any door the alarm will sound.**
- **When the Vehicle Security Alarm is armed, the interior power door lock switches will not unlock the doors.**

The Vehicle Security Alarm 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 Alarm 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 Alarm.

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

Tamper Alert

If something has triggered the Vehicle Security Alarm in your absence, the horn will sound three times and the exterior lights blink three times when you unlock the doors. Check the vehicle for tampering.

Security System Manual Override

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

PREMIUM VEHICLE SECURITY ALARM — IF EQUIPPED

The Premium Vehicle Security Alarm system monitors the doors, hood latch, and liftgate for unauthorized entry and the ignition switch for unauthorized operation. The system also includes a dual function intrusion sensor and vehicle tilt sensor. The intrusion sensor monitors the vehicle interior for motion. The vehicle tilt sensor monitors the vehicle for any tilting actions (tow away, tire removal, ferry transport, etc). A siren with battery backup which senses interruptions of power and communications is also included.

If a perimeter violation triggers the security system, the siren will sound for 29 seconds and the exterior lights will flash followed by approximately five seconds of no activity. This will continue for eight cycles if no action is taken to disarm the system.

To Arm The System

Follow these steps to arm the security alarm:

1. Remove the key from the ignition system (refer to "Starting Procedures" in "Starting And Operating" for further information).
 - For vehicles equipped with Keyless Enter-N-Go, make sure the vehicle ignition system is "OFF."
 - For vehicles not equipped with Keyless Enter-N-Go, make sure the vehicle ignition system is "OFF" and the key is physically removed from the ignition.
2. Perform one of the following methods to lock the vehicle:
 - Push LOCK 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 (refer to "Keyless Enter-N-Go" in "Things To Know Before Starting Your Vehicle" for further information).

- Push the LOCK button on the Remote Keyless Entry (RKE) Key Fob.

3. If any doors are open, close them.

NOTE:

- **Once the security system is armed, it remains in that state until you disarm it by following either of the disarming procedures described. If a power loss occurs after arming the system, you must disarm the system after restoring power to prevent alarm activation.**
- **The ultrasonic intrusion sensor (motion detector) actively monitors your vehicle every time you arm the security system. If you prefer, you can turn off the ultrasonic intrusion sensor when arming the security system. To do so, push the LOCK button on the RKE Key Fob three times within 15 seconds of arming the system (while the Vehicle Security Light is flashing rapidly).**

To Disarm The System

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

- Push the UNLOCK button on the Remote Keyless Entry (RKE) Key Fob.
- Grasp the Passive Entry Unlock Door Handle (if equipped, refer to "Keyless Enter-N-Go" in "Things To Know Before Starting Your Vehicle" for further information).
- Cycle the vehicle ignition system out of the OFF position.
 - For vehicles equipped with Keyless Enter-N-Go, push the Keyless Enter-N-Go Start/Stop button (requires at least one valid Key Fob in the vehicle).
 - For vehicles not equipped with Keyless Enter-N-Go, insert a valid key into the ignition switch and turn the key to the ON position.

NOTE:

- **The driver's door key cylinder and the liftgate button on the RKE Key Fob cannot arm or disarm the Vehicle Security Alarm.**

- The Vehicle Security Alarm remains armed during power liftgate entry. Pushing the liftgate button will not disarm the Vehicle Security Alarm. If someone enters the vehicle through the liftgate and opens any door the alarm will sound.
- When the Vehicle Security Alarm is armed, the interior power door lock switches will not unlock the doors.
- The ultrasonic intrusion sensor (motion detector) actively monitors your vehicle every time you arm the security system. If you prefer, you can turn off the ultrasonic intrusion sensor when arming the security system. To do so, push the LOCK button on the RKE Key Fob three times within 15 seconds of arming the system (while the Vehicle Security Light is flashing rapidly).

The Vehicle Security Alarm 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 Alarm 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 Alarm.

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

Security System Manual Override

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

ILLUMINATED ENTRY

The courtesy lights will turn on when you use the RKE Key Fob to unlock the doors or open any door.

This feature also turns on the approach lighting in the outside mirrors.

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

NOTE:

- The front courtesy overhead console and door courtesy lights do not turn on if the dimmer control is in the “Dome defeat” position (extreme bottom position).
- The Illuminated Entry system will not operate if the dimmer control is in the “Dome defeat” position (extreme bottom position).

REMOTE KEYLESS ENTRY (RKE)

The RKE system allows you to lock or unlock the doors, or open the power liftgate from distances up to approximately 66 ft (20 m) using the RKE Key Fob. The RKE Key Fob does not need to be pointed at the vehicle to activate the system.

NOTE:

Driving at speeds 5 mph (8 km/h) and above disables the system from responding to all RKE Key Fob buttons for all RKE Key Fobs.



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RKE Key Fob

To Unlock The Doors And Liftgate

Push and release the UNLOCK button on the RKE Key Fob once to unlock the driver's door or twice within five seconds to unlock all doors and liftgate. The turn signal lights will flash to acknowledge the unlock signal. The illuminated entry system will also turn on.

If the vehicle is equipped with Passive Entry, refer to "Keyless Enter-N-Go — Passive Entry" in "Things To Know Before Starting Your Vehicle" for further information.

1st Press Of RKE Key Fob Unlocks

This feature lets you program the system to unlock either the driver's door or all doors on the first push of the UNLOCK button on the RKE Key Fob. To change the current setting, refer to "Uconnect Settings" in "Understanding Your Instrument Panel" for further information.

Flash Lamps With Lock

This feature will cause the turn signal lights to flash when the doors are locked or unlocked with the RKE Key Fob. This feature can be turned on or turned off. To change the current setting, refer to "Uconnect Settings" in "Understanding Your Instrument Panel" for further information.

Headlight Illumination On Approach

This feature activates the headlights for up to 90 seconds when the doors are unlocked with the RKE Key Fob. The time for this feature is programmable on vehicles equipped through Uconnect. To change the current setting, refer to "Uconnect Settings" in "Understanding Your Instrument Panel" for further information.

To Lock The Doors And Liftgate

Push and release the LOCK button on the RKE Key Fob to lock all doors and liftgate. The turn signal lights will flash to acknowledge the signal.

If the vehicle is equipped with Passive Entry, refer to "Keyless Enter-N-Go" under "Things To Know Before Starting Your Vehicle" for further information.

Programming Additional RKE Key Fobs

Programming RKE Key Fobs may be performed at an authorized dealer.

RKE Key Fob Battery Replacement

The recommended replacement battery is one CR2032 battery.

NOTE:

- **Perchlorate Material — special handling may apply.**
- **Do not touch the battery terminals that are on the back housing or the printed circuit board.**

1. Remove the emergency key by sliding the mechanical latch on the back of the RKE Key Fob sideways with your thumb and then pull the key out with your other hand.



RKE Key Fob Emergency Key Removal

2. Insert the tip of the emergency key or a #2 flat blade screwdriver into the slot and gently pry the two halves of the RKE Key Fob apart. Make sure not to damage the seal during removal.



Separating RKE Key Fob Case

3. Remove the battery by turning the back cover over (battery facing downward) and tapping it lightly on a solid surface such as a table or similar, then replace the battery. When replacing the battery, match the + sign on the battery to the + sign on the inside of the battery clip, located on the back cover. Handle the battery as little as possible as skin oils may cause battery deterioration. The battery may be cleaned with rubbing alcohol.

4. To assemble the RKE Key Fob case, snap the two halves together.

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 RKE Key Fob is not inside the vehicle before closing the door.

NOTE:

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



Manual 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.
- Before exiting a vehicle, always shift the transmission into PARK, apply the parking brake, turn the engine OFF, remove the RKE Key Fob from the ignition and lock your vehicle. If equipped with Keyless

(Continued)

WARNING! (Continued)

Enter-N-Go, always make sure the keyless ignition node is in "OFF" mode, remove the RKE 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 RKE 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 mode. A child could operate power windows, other controls, or move the vehicle.

Power Door Locks

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

If the lock knob is down when the door is closed, the door will lock. Therefore, make sure the RKE Key Fob is not inside the vehicle before closing the door.

If you push the door lock  switch while the ignition position is in ACC or ON/RUN and the driver or front passenger'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.

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's speed exceeds 15 mph (24 km/h). The auto door lock feature can be enabled or disabled by your authorized dealer. The auto door lock feature is enabled/disabled in the Uconnect Settings.

Automatic Unlock On Exit Feature — If Equipped

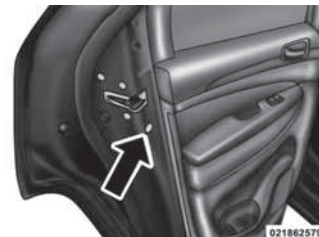
If Auto Unlock is enabled, this feature will unlock all the doors when any door is opened if the vehicle is stopped and in PARK. To change the current setting, refer to "Uconnect Settings" in "Understanding Your Instrument Panel" for further information.

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 Child-Protection Door Lock system.

To Engage Or Disengage The Child-Protection Door Lock System

1. Open the rear door.
2. Insert the tip of the emergency key into the lock and rotate to the LOCK  or UNLOCK  position.
3. Repeat steps 1 and 2 for the opposite rear door.



Child-Protection Door Lock Location



Child-Protection Door Lock Function

WARNING!

Avoid trapping anyone in a vehicle in a collision. Remember that the rear doors can only be opened from the outside when the Child-Protection locks are engaged (locked).

NOTE:

For emergency exit from the rear seats when the Child-Protection Door Lock System is engaged, manually raise the door lock knob to the unlocked position, roll down the window, and open the door using the outside door handle.

**KEYLESS ENTER-N-GO —
PASSIVE ENTRY**

The Passive Entry system is an enhancement to the vehicle's Remote Keyless Entry (RKE) system and a feature of Keyless Enter-N-Go. This feature allows you to lock and unlock the vehicle's door(s) without having to push the RKE Key Fob lock or unlock buttons.

NOTE:

- **Passive Entry may be programmed ON/OFF. Refer to "Uconnect Settings" in "Understanding Your Instrument Panel" for further information.**
- **If the vehicle is unlocked by Passive Entry and no door is opened within 60 seconds, the vehicle will re-lock and if equipped will arm the security alarm.**
- **If wearing gloves on your hands, or if it has been raining on the Passive Entry door handle, the unlock sensitivity can be affected, resulting in a slower response time.**

To Unlock From The Driver's Side:

With a valid Passive Entry RKE Key Fob within 5 ft (1.5 m) of the driver's door handle, grab the driver's front door handle to unlock the driver's door automatically. The interior door panel lock knob will raise when the door is unlocked.



Grab The Door Handle To Unlock

NOTE:

If "Unlock All Doors 1st Press" is programmed all doors will unlock when you grab hold of the driver's front door handle. To select between "Unlock Driver Door 1st Press" and "Unlock All Doors 1st Press," refer to "Uconnect Settings" in "Understanding Your Instrument Panel" for further information.

To Unlock From The Passenger Side:

With a valid Passive Entry RKE Key Fob within 5 ft (1.5 m) of the passenger door handle, grab the front passenger door handle to unlock all

four doors automatically. The interior door panel lock knob will raise when the door is unlocked.

NOTE:

All doors will unlock when the front passenger door handle is grabbed regardless of the driver's door unlock preference setting ("Unlock Driver Door 1st Press" or "Unlock All Doors 1st Press").

Preventing Inadvertent Locking Of Passive Entry RKE Key Fob In Vehicle

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

If one of the vehicle doors is open and the door panel switch is used to lock the vehicle, once all open doors have been closed the vehicle checks the inside and outside of the vehicle for any valid Passive Entry RKE Key Fobs. If one of the vehicle's Passive Entry RKE Key Fobs is detected inside the vehicle, and no other valid

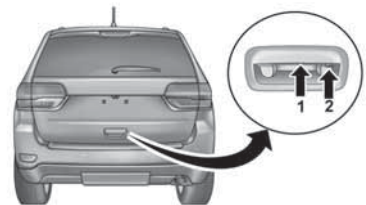
Passive Entry RKE Key Fobs are detected outside the vehicle, the Passive Entry System automatically unlocks all vehicle doors and chirps the horn three times (on the third attempt ALL doors will lock and the Passive Entry RKE Key Fob can be locked in the vehicle).

To Unlock/Enter The Liftgate

The liftgate passive entry unlock feature is built into the electronic liftgate release. With a valid Passive Entry RKE Key Fob within 3 ft (1.0 m) of the liftgate, push the electronic liftgate release for a power open on vehicles equipped with Power Liftgate. Push the electronic liftgate release and lift for Manual Liftgate vehicles.

NOTE:

If the vehicle is unlocked, then the liftgate will open with the electronic liftgate release and no RKE Key Fob is required.



Passive Entry/Lock Button Location

- 1 — Electronic Liftgate Release
- 2 — Lock Button Location

To Lock The Vehicle From The Liftgate

With a valid Passive Entry RKE Key Fob within 3 ft (1.0 m) of the liftgate, push the passive entry lock button located to the right of electronic liftgate release.

NOTE:

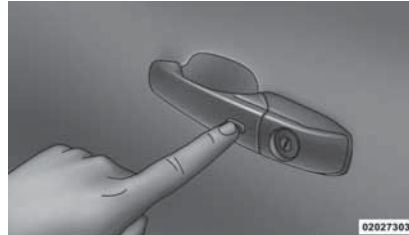
If “Unlock All Doors 1st Press” is programmed in Uconnect Settings, all doors will unlock when you push the electronic liftgate release. If “Unlock Driver Door 1st Press” is programmed in Uconnect, the liftgate will only unlock when you push the electronic liftgate release. For further information, refer to “Uconnect Settings” in “Understanding Your Instrument Panel.”

To Lock The Vehicle From The Front Doors

With one of the vehicle's Passive Entry RKE Key Fobs within 5 ft (1.5 m) of the driver or passenger front door handle, push the door handle LOCK button to lock all four doors and liftgate.

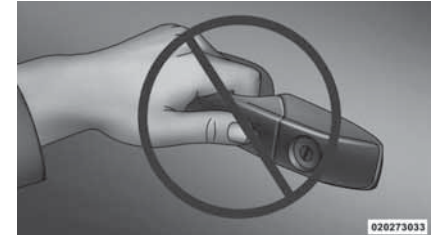
NOTE:

The key must be within 5 ft (1.5 m) of the handle being used to lock the vehicle.



Push The Door Handle Button To Lock

Do NOT grab the door handle, when pushing the door handle 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 reacting and unlocking.
- The Passive Entry system will not operate if the RKE Key Fob battery is dead.
- Closeness to mobile devices can have an effect on the passive entry system.

The vehicle doors can also be locked by using the RKE Key Fob lock button or the lock button located on the vehicle's interior door panel.

WINDOWS

Power Windows

The power window controls    are located on the driver's door trim panel. There is a single  switch on the front passenger door and rear  passenger doors which operate the front and rear passenger door windows. The window controls will operate only when the keyless push button ignition is placed in the ON/RUN or ACC position.



Power Window Switches

The power window switches remain active for up to ten minutes after the keyless push button ignition has been turned OFF. Opening a vehicle front door will cancel this feature.

WARNING!

Never leave children unattended in a vehicle, and do not let children play with power windows. Do not leave the RKE Key Fob in or near the vehicle, or in a location accessible to children, and do not leave the ignition

(Continued)

WARNING! (Continued)

of a vehicle equipped with Keyless Enter-N-Go in the ACC or ON/RUN mode. 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.

Auto-Down

Both the driver and front passenger window switches have an "Auto-Down" feature. Push the window  switch past the first detent, release, and the window will go down automatically. To cancel the "Auto-Down" movement, operate the switch in either the up or down direction and release the switch.

To open the window part way, push the  switch to the first detent and release it when you want the window to stop.



Auto-Down Window Switches

Auto Up Feature With Anti-Pinch Protection — Driver And Front Passenger Door Only

Lift the window  switch fully upward to the second detent, release, and 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 to the first detent and release when you want the window to stop.

NOTE:

If the window runs into any obstacle during “Auto Up,” it will reverse direction and then go back down. Remove the obstacle and use the window switch again to close the window. Any impact due to rough road conditions may trigger the auto reverse function unexpectedly during “Auto-Up.” If this happens, pull the switch lightly to the first detent and hold it to close the window manually.

WARNING!

There is no anti-pinch protection when the window is almost closed. Be sure to clear all objects from the window before closing.

Resetting The Auto Up Feature

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 the second detent 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 Button

The Window Lockout  button on the driver's door allows you to disable the window controls on the rear doors. To disable the window controls on the rear doors, push the Window Lockout  button. To enable the window controls, push the Window Lockout  button again.



Window Lockout Button

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, then 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.

LIFTGATE

To Unlock/Enter The Liftgate

The liftgate passive entry unlock feature is built into the electronic liftgate release. With a valid Passive Entry RKE Key Fob within 3 ft (1.0 m) of the liftgate, push the electronic liftgate release to open with one fluid motion.

NOTE:

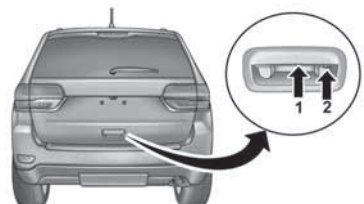
If “Unlock All Doors 1st Press” is programmed in Uconnect Settings, all doors will unlock when you push the electronic liftgate release. If “Unlock Driver Door 1st Press” is programmed in Uconnect Settings, only the liftgate will unlock when you push the electronic liftgate release. For further information, refer to “Understanding Your Instrument Panel.”

To Lock The Liftgate

With a valid Passive Entry RKE Key Fob within 3 ft (1.0 m) of the liftgate, push the passive entry lock button located to the right of electronic liftgate release.

NOTE:

The liftgate unlock feature is built into the electronic liftgate release.



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Passive Entry/Lock Button Location

1 — Electronic Liftgate Release 2 — Lock Button Location

WARNING!

Driving with the liftgate open can allow poisonous exhaust gases into your vehicle. You and your passengers could be injured by these fumes. Keep the liftgate closed when you are operating the vehicle.

Power Liftgate — If Equipped



The power liftgate may be opened by pushing the electronic liftgate release (refer to “Keyless Enter-N-Go — Passive Entry” located in “Things To Know Before Starting Your Vehicle”) or by pushing the LIFTGATE  button on the RKE Key Fob. Push the LIFTGATE  button on the RKE Key Fob twice within five seconds to open the power liftgate. Once the liftgate is open, pushing the  button twice within five seconds a second time will close the liftgate.

The power liftgate may also be opened or closed by pushing the LIFTGATE button located on the front overhead console. If the liftgate is

fully open, the liftgate can be closed by pushing the LIFTGATE button located on left rear trim panel, near the liftgate opening. If the liftgate is in motion, pushing the LIFTGATE button located on left rear trim panel will reverse the liftgate.

When the LIFTGATE  button on the RKE Key Fob is pushed two times, the turn signals will flash twice to signal that the liftgate is opening or closing (if Flash Lamps with Lock is enabled in the Uconnect settings), and the liftgate chime will be audible. For further information, refer to “Uconnect Settings” in “Understanding Your Instrument Panel.”

NOTE:

- In the event of a power malfunction to the liftgate, an emergency liftgate latch release can be used to open the liftgate. The emergency liftgate latch release can be accessed through a snap-in cover located on the liftgate trim panel.
- If liftgate is left open for an extended period of time, the liftgate may need to be

closed manually to reset power liftgate functionality.

WARNING!

During power operation, personal injury or cargo damage may occur. Ensure the liftgate travel path is clear. Make sure the liftgate is closed and latched before driving away.

NOTE:

- The power liftgate buttons will not operate if the vehicle is in gear or the vehicle speed is above 0 MPH (0 km/h).
- The power liftgate will not operate in temperatures below -22° F (-30° C) or temperatures above 150° F (65° C). Be sure to remove any buildup of snow or ice from the liftgate before pushing any of the power liftgate switches.
- If anything obstructs the power liftgate while it is closing or opening, the liftgate will automatically reverse to the closed or open position, provided it meets sufficient resistance.

- There are also pinch sensors attached to the side of the liftgate. Light pressure anywhere along these strips will cause the liftgate to return to the open position.
- If the liftgate is not fully open, push the Liftgate  button on the RKE Key Fob twice to operate the liftgate.
- If the electronic liftgate release is pushed while the power liftgate is closing, the liftgate will reverse to the full open position.
- If the electronic liftgate release is pushed while the power liftgate is opening, the liftgate motor will disengage to allow manual operation.
- If the power liftgate encounters multiple obstructions within the same cycle, the system will automatically stop and the liftgate must be opened or closed manually.

WARNING!

- Driving with the liftgate open can allow poisonous exhaust gases into your vehicle. You and your passengers could be injured by these fumes. Keep the liftgate closed when you are operating the vehicle.
- If you are required to drive with the liftgate 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.

OCCUPANT RESTRAINT SYSTEMS

Some of the most important safety features in your vehicle are the restraint systems:

- Seat Belt Systems
- Supplemental Restraint Systems (SRS) Air Bags
- Supplemental Active Head Restraints
- Child Restraints

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 a vehicle with a rear seat.



Warning Label On Front Passenger Sun Visor

2. 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. (Refer to "Child Restraints")
3. Children that are not big enough to wear the vehicle seat belt properly (Refer to "Child Restraints" in this section of "Occupant Restraints") should be secured in a vehicle with a rear seat in child restraints or belt-positioning booster seats. Older children who do not use child restraints or belt-positioning booster seats should ride properly buckled up in a vehicle with a rear seat.
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 Advanced 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, contact the Customer Center. Phone numbers are provided under "If You Need Assistance."

WARNING!

- Never place a rear-facing child restraint in front of an air bag. A deploying Passenger Advanced Front Air Bag can cause death or serious injury to a child 12 years or

(Continued)

WARNING! *(Continued)*

younger, including a child in a rear-facing child restraint.

- Only use a rear-facing child restraint in a vehicle with a rear seat.

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.

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 Belt Alert feature is active whenever the ignition is placed in the START or ON/RUN position.

Initial Indication

If the driver is unbuckled when the ignition is first placed in the START or ON/RUN position, an intermittent 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 is first placed 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 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 your authorized dealer. FCA International Operations LLC 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 condi-

tions. 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.
- 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.

(Continued)

WARNING! (Continued)

- 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.
- 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.

(Continued)

WARNING! (Continued)

- 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 your 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.

(Continued)

WARNING! (Continued)

- 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.

(Continued)

WARNING! (Continued)

- 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. Seat belt assemblies must be replaced after a collision.

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). Grasp 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.



Pulling Out The Latch Plate

3. 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

4. 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

5. 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.
6. 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.

1. Position the latch plate as close as possible to the anchor point.
2. At about 6 to 12 inches (15 to 30 cm) above the latch plate, grasp and twist the seat belt webbing 180 degrees to create a fold that begins immediately above the latch plate.
3. Slide the latch plate upward over the folded webbing. The folded webbing must enter the slot at the top of the latch plate.
4. 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 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.



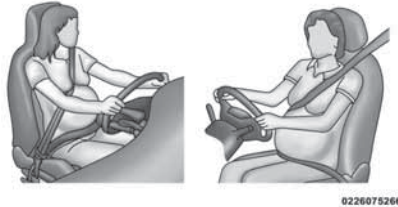
Adjustable Anchorage

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.

Seat Belts And Pregnant Women



Pregnant Women And Seat Belts

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 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.

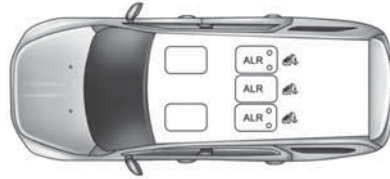
The pretensioners are triggered by the Occupant Restraint Controller (ORC). Like the air bags, the pretensioners are single use items. A deployed pretensioner or a deployed air bag must be replaced immediately.

Energy Management Feature

This vehicle has a seat belt system with an Energy Management feature in the front seating positions that may help further reduce the risk of injury in the event of a collision. This seat belt system has a retractor assembly that is designed to release webbing in a controlled manner.

Switchable Automatic Locking Retractor (ALR) — If Equipped

The seat belts in the passenger seating positions may be equipped with a Switchable Automatic Locking Retractor (ALR) which is used to secure a child restraint system. For additional information, refer to "Installing Child Restraints Using The Vehicle Seat Belt" under the "Child Restraints" section of this manual. The table below defines the type of feature for each seating position.



- ALR = Switchable Automatic Locking Retractor

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 a vehicle with a rear seat.

WARNING!

- Never place a rear-facing child restraint in front of an air bag. A deploying Passenger Advanced 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.
- Only use a rear-facing child restraint in a vehicle with a rear seat.

How To Engage The Automatic Locking Mode

1. Buckle the combination lap and shoulder belt.

2. Grasp 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.

(Continued)

WARNING! (Continued)

- 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 Active Head Restraints (AHR)

These head restraints are passive, deployable components, and vehicles with this equipment cannot be readily identified by any markings, only through visual inspection of the head restraint. The head restraint will be split in two halves, with the front half being soft foam and trim, the back half being decorative plastic.

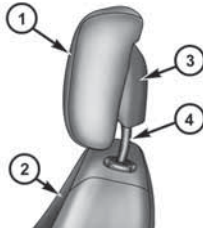
How The Active Head Restraints (AHR) Work

The Occupant Restraint Controller (ORC) determines whether the severity, or type of rear impact will require the Active Head Restraints (AHR) to deploy. If a rear impact requires deployment, both the driver and front passenger seat AHRs will be deployed.

When AHRs deploy during a rear impact, the front half of the head restraint extends forward to minimize the gap between the back of the occupant's head and the AHR. This system is designed to help prevent or reduce the extent of injuries to the driver and front passenger in certain types of rear impacts.

NOTE:

The Active Head Restraints (AHR) may or may not deploy in the event of a front or side impact. However if during a front impact, a secondary rear impact occurs, the AHR may deploy based on the severity and type of the impact.



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Active Head Restraint (AHR) Components

- 1 — Head Restraint Front Half (Soft Foam and Trim)
- 2 — Seatback
- 3 — Head Restraint Back Half (Decorative Plastic Rear Cover)
- 4 — Head Restraint Guide Tubes

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

(Continued)

WARNING! (Continued)

their proper positions in order to minimize the risk of neck injury in the event of a collision.

- Do not place items over the top of the Active Head Restraint, such as coats, seat covers or portable DVD players. These items may interfere with the operation of the Active Head Restraint in the event of a collision and could result in serious injury or death.
- Active Head Restraints may be deployed if they are struck by an object such as a hand, foot or loose cargo. To avoid accidental deployment of the Active Head Restraint ensure that all cargo is secured, as loose cargo could contact the Active Head Restraint during sudden stops. Failure to follow this warning could cause personal injury if the Active Head Restraint is deployed.

NOTE:

For more information on properly adjusting and positioning the head restraint, refer to “Adjusting Active Head Restraints” in “Understanding The Features Of Your Vehicle.”

Resetting Active Head Restraints (AHR)

If the Active Head Restraints are triggered during a collision, the front half of the head restraint will be extended forward and separated from the rear half of the head restraint (See Image). Do not drive your vehicle after the AHRs have deployed. The head restraint must be reset into the original position to best protect the occupant for all types of collisions. An authorized FCA US LLC dealer must reset the AHRs on the driver's and front passenger's seat before driving. Personally attempting to reset the AHRs may result in damage to the AHRs that could impair their function.



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AHR In Reset Position

WARNING!

Deployed AHRs are not able to best protect you in all types of collisions. Have deployed AHRs reset by an authorized dealer immediately.

Supplemental Restraint System (SRS)

Air Bag System Components

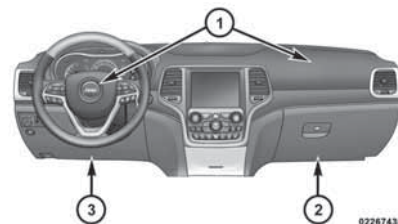
Your vehicle may be equipped with the following air bag system components:

- Occupant Restraint Controller (ORC)

- Air Bag Warning Light
- Steering Wheel and Column
- Instrument Panel
- Knee Impact Bolsters
- Advanced Front Air Bags
- Supplemental Knee Air Bags
- Supplemental Side Air Bags
- Front and Side Impact Sensors
- Seat Belt Pretensioners
- Seat Belt Buckle Switch

Advanced Front Air Bags

This vehicle has Advanced Front Air Bags for both the driver and front passenger as a supplement to the seat belt restraint systems. The driver's Advanced Front Air Bag is mounted in the center of the steering wheel. The passenger's Advanced 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.



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Advanced Front Air Bag And Knee Bolster Locations

- 1 — Driver And Passenger Advanced Front Air Bags
- 2 — Passenger Knee Impact Bolster
- 3 — Driver Knee Impact Bolster/Supplemental Knee Air Bag

WARNING!

- Being too close to the steering wheel or instrument panel during Advanced 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 place a rear-facing child restraint in front of an air bag. A deploying Passenger Advanced 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.
- Only use a rear-facing child restraint in a vehicle with a rear seat.

Advanced Front Air Bag Features

The Advanced Front Air Bag system has multi-stage 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 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.

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.

(Continued)

WARNING! (Continued)

- 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.

Advanced Front Air Bag Operation

Advanced Front Air Bags are designed to provide additional protection by supplementing the seat belts. Advanced Front Air Bags are not expected to reduce the risk of injury in rear, side, or rollover collisions. The Advanced 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, Advanced 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 ORC detects a collision requiring the Advanced Front Air Bags, it signals the inflator units. A large quantity of non-toxic gas is generated to inflate the Advanced Front Air Bags.

The steering wheel hub trim cover and the upper right side of the instrument panel separate and fold out of the way as the air bags inflate to their full size. The Advanced Front Air

Bags fully inflate in less time than it takes to blink your eyes. The air bags then quickly deflate while helping to restrain the driver and front passenger.

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 Advanced 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.

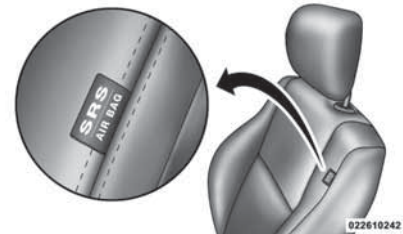
Supplemental Driver Knee Air Bag

This vehicle is equipped with a Supplemental Driver Knee Air Bag mounted in the instrument panel below the steering column. The Supplemental Driver Knee Air Bag provides enhanced protection during a frontal impact by working together with the seat belts, pretensioners, and Advanced Front Air Bags.

Supplemental Side Air Bags

Your vehicle is equipped with two types of side air bags:

1. **Supplemental Seat-Mounted Side Air Bags (SABs):** Located in the outboard side of the front seats. The SABs are marked with a “SRS AIRBAG” or “AIR-BAG” label sewn into the outboard side of the seats.



Front Supplemental Seat-Mounted Side Air Bag Label

The SABs may help to reduce the risk of occupant injury during certain side impacts and/or vehicle rollover events, in addition to the

injury reduction potential provided by the seat belts and body structure.

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.

2. **Supplemental Side Air Bag Inflatable Curtains (SABICs): 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 or other injuries to front and rear seat outboard occupants in certain side impacts and/or vehicle rollover events, in addition to the injury reduction potential provided by the seat belts and body structure.

The SABICs deploy downward, covering the side windows. An inflating SABIC pushes the outside edge of the trim 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 rollover or side impact events.

WARNING!

- Your vehicle is equipped with left and right Supplemental Side Air Bag Inflatable Curtains (SABICs). Do not 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.

(Continued)

WARNING! (Continued)

- Your vehicle is equipped with SABICs. 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.

The SABICs and SABs ("Side Air Bags") are designed to activate in certain side impacts and certain rollover events. The Occupant Restraint Controller ("ORC") determines whether the deployment of the Side Air Bags in a particular side impact or 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 should have deployed.

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. 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 inflating Side Air Bags. 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! (Continued)

- 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.

Side Impacts

In side impacts, 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.

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 Advanced Front Air Bags deploy.

Rollover Events

Side Air Bags are designed to activate in certain rollover events. The ORC determines whether the deployment of the Side Air Bags 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 should have deployed.

The Side Air Bags 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. A slower-developing event may deploy the seat belt pretensioners on both sides of the vehicle. A

faster-developing event may deploy the seat belt pretensioners as well as the Side Air Bags on both sides of the vehicle. The rollover sensing-system may also deploy the seat belt pretensioners, with or without the Side Air Bags, on both sides of the vehicle if the vehicle experiences a near rollover event.

If A Deployment Occurs

The Advanced 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.

(Continued)

WARNING! (Continued)

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 ORC will determine whether to have the Enhanced Accident Response System perform the following functions:

- Cut off fuel to the engine.

- Flash hazard lights as long as the battery has power or until the hazard light button is pressed. The hazard lights can be deactivated by pressing the hazard light button.
- Turn on the interior lights, which remain on as long as the battery has power.
- Unlock the power door locks.

**Enhanced Accident Response System
Reset Procedure**

In order to reset the Enhanced Accident Response System functions after an event, the ignition must be changed from the START or ON/RUN position to the OFF position. 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.

Air Bag Warning Light

The air bags must be ready to inflate for your protection in a collision. The Occupant Restraint Controller (ORC) monitors the internal circuits and interconnecting wiring associated with air bag system electrical components.

The ORC monitors the readiness of the electronic parts of the air bag system whenever the ignition is placed in the START or ON/RUN position. If the ignition 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 bags 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 is first placed 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 is first placed 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 bags 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. For additional information

regarding the Redundant Air Bag Warning Light refer to the "Warning and Indicator Lights" in "Understanding Your Instrument panel" of this manual.

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, including adding any kind of badges or stickers to the steering wheel hub trim cover or the upper right side of the instrument panel. Do not modify the front 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.

(Continued)

WARNING! (Continued)

- 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 your 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 your 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 per-

formed. 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 — Carrying Children Safely

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Everyone in your vehicle needs to be buckled up at all times, including babies and children. EC directive 2003/20/EC requires proper use of restraints in all EC countries.

Children less than 1.5 meters tall and 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.

WARNING!

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. 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. Children should ride rearward facing as long as

possible; this is the most protected position for a child in the event of a crash. 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.

In Europe, children restraint systems are defined by regulation ECE-R44, which divides them into five weight groups:

Restraint Group	Weight Group
Group 0	up to 10 kg
Group 0+	up to 13 kg
Group 1	9-18 kg
Group 2	15-25 kg
Group 3	22-36 kg

Check the label of your child restraint. All approved child restraints must include type-approval data and the control mark on its label. The label must be permanently secured to the

child restraint system. You should not remove this label from the child restraint.

WARNING!

Extreme Hazard! Do not place a rear-facing child restraint in front of an active air bag. Refer to visor mounted labels for information. Deployment of the air bag in an accident could cause fatal injuries to the baby regardless of the severity of the collision. It is advisable to always carry children in a child restraint system on the rear seat, which is the most protected position in the event of a collision.

“Universal” Child Restraint Systems

The figures in the following sections are examples of each type of universal child restraint system. Typical installations are shown. Always install your child restraint system according to the child restraint manufacturer's instructions, which must be included with this type of restraint system.

See the section “Installing Child Restraints Using the Vehicle Seat Belt” for the steps to properly lock the seat belt over the child restraint.

Child restraint systems with ISOFIX anchorages are available for installing the child restraint system to the vehicle without using the vehicle’s seat belts.

Group 0 And 0+



Fig. A

Safety experts recommend that children ride rearward facing in the vehicle as long as possible. Infants up to 13 kg must be restrained in

a rear-facing seat like the child seat shown in fig. A. This type of child restraint supports the child’s head and does not induce stress on the neck in the event of sudden decelerations or a crash.

The rear-facing child restraint is restrained by the vehicle’s seat belts, as shown in fig. A. The child seat restrains the child with its own harness.

WARNING!

- Never place a rear-facing child restraint in front of an air bag. A deploying passenger Advanced 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.
- Only use a rear-facing child restraint in a vehicle with a rear seat.

Group 1



Fig. B

Children who weigh between 9 kg and 18 kg may be carried in a Group 1, forward facing seat like the one in fig. B. This type of child restraint is for older children who are too big for a Group 0 or 0+ child restraint.

Group 2

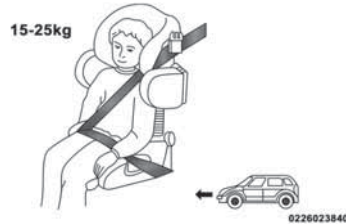


Fig. C

Children who weigh between 15 kg and 25 kg and who are too big for the Group 1 child restraint may use a Group 2 child restraint system.

As shown in fig. C, the Group 2 child restraint system positions the child correctly with respect to the seat belt so that the shoulder belt crosses the child's chest and not the neck, and the lap belt is snug on the pelvis and not the abdomen.

Group 3



Fig. D

Children who weigh between 22 kg and 36 kg and who are tall enough to use the adult shoulder belt may use a Group 3 child restraint. Group 3 child restraints position the lap belt on the child's pelvis. The child must be tall enough that the shoulder belt crosses the child's chest and not their neck.

Fig. D shows an example of a Group 3 child restraint system correctly positioning the child on the rear seat.

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 ISOFIX 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.

Suitability Of Passenger Seats For Universal Child Restraint System Use

According to the European Directive 2000/3/EC, the suitability of each passenger seat position for the installation of Universal Child Restraint Systems is shown in the following table:

Universal Child Seating Position Chart				
Group	Mass	Front Passenger	Rear Center	Rear Outboard
Group 0, 0+	up to 13 kg	X	U	U
Group 1	9-18 kg	X	U	U
Group 2	15-25 k	X	U	U
Group 3	22-36 kg	X	U	U

Key of letters used in the table above:

- U = Suitable for “universal” category restraints approved for use in this mass group.
- X = Seat position not suitable for children in this mass group.

Seat Belts For Older Children

Children over 1.50 m in height can wear seat belts instead of using child restraints.

Use this simple 5-step test to decide whether the seat belt properly fits the child or if they should still use a Group 2 or Group 3 child restraint to improve the fit of the seat belt:

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 they are still sitting all the way back?
3. Does the shoulder belt cross the child's shoulder between their neck and arm?
4. Is the lap part of the belt as low as possible, touching the child's thighs and not their 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 Group 2 or 3 child restraint in this vehicle. If the child is using the lap/shoulder belt, check 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.

ISOFIX Restraint System



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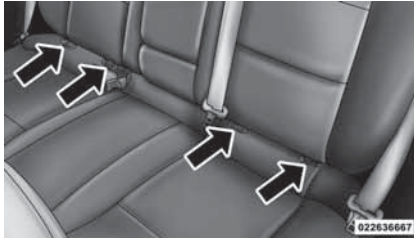
Fig. E

Your vehicle is equipped with the child restraint anchorage system called ISOFIX. This system allows ISOFIX equipped child seats to be installed without using the vehicle's seat belts. The ISOFIX system has two lower anchorages located at the back of the seat cushion where it meets the seatback and a top tether anchorage located behind the seating position.

An example of a Universal ISOFIX child restraint system for weight group 1 is shown in Fig. E. ISOFIX child restraints are also available in the other weight groups.

Locating ISOFIX 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.



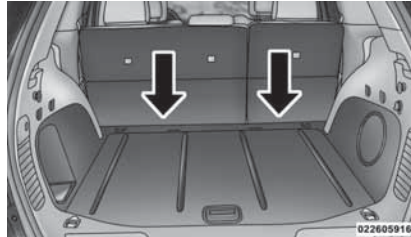
ISOFIX Anchorages

Locating Tether Anchorages

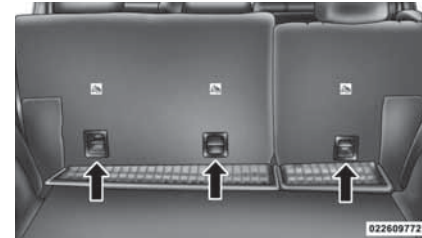
There are tether strap anchorages behind each rear seating position located on the back of the seat. To access them, pull the carpeted floor

panel away from the seat back, this will expose the top tether strap anchorages.

ISOFIX child restraint systems will be equipped with a rigid bar on each side. Each will have a 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 may 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.



Pulling Down The Carpet Floor Panel To Access Top Tether Strap Anchorage



Pulling Down The Carpet Floor Panel To Access Top Tether Strap Anchorage

Center Seat ISOFIX:

WARNING!

- Do not install a child restraint in the center position using the ISOFIX system. This position is not approved for any type of ISOFIX child restraint system.

(Continued)

WARNING! (Continued)

- Do not install your ISOFIX child restraint system using the center tether anchorage. Use the seat belt, to install a child seat in the center seating position.
- Never use the same lower anchorage to attach more than one child restraint. Please refer to “Installing The ISOFIX Child Restraint System” for typical installation instructions.

Center Arm Rest Tethering

For rear-facing child restraints secured in the center seat position with the vehicle seat belts, the rear center seat position has an armrest tether that secures the arm rest in the upward position.

1. To access the center seat arm rest tether, first lower the arm rest. The tether is located behind the armrest and hooked onto the plastic seat backing.



Center Seat Position Arm Rest Tether

2. Pull down on the tether to unhook it from the plastic seat backing.
3. Raise the armrest and attach the tether hook to the strap located on the front of the arm rest.



Center Seat Position Arm Rest Tether Attached

Suitability Of Passenger Seats For ISOFIX Child Restraint System Use

The table below shows the various installation possibilities for ISOFIX child restraint systems on seats fitted with ISOFIX anchorages in accordance with European standard ECE 16.

Vehicle ISOFIX Positions Chart								
Mass Group	Size Class	Fixture	Front Passenger	Rear Out-board Rt./ Lt.	Rear Center	Intermediate Out-board	Intermediate Center	Other Sites
Carrycot	F	ISO/L1	X	X	X	N/A	N/A	N/A
	G	ISO/L2	X	X	X	N/A	N/A	N/A
		(1)	X	N/A	X	N/A	N/A	N/A
0 — up to 10 kg	E	ISO/R1	X	IUF/IUF	X	N/A	N/A	N/A
		(1)	X	N/A	X	N/A	N/A	N/A
0+ — up to 13 kg	E	ISO/R1	X	IUF/IUF	X	N/A	N/A	N/A
	D	ISO/R2	X	IUF/IUF	X	N/A	N/A	N/A
	C	ISO/R3	X	IUF/IUF	X	N/A	N/A	N/A
		(1)	X	X	X	N/A	N/A	N/A

Vehicle ISOFIX Positions Chart								
Mass Group	Size Class	Fixture	Front Passenger	Rear Out-board Rt./ Lt.	Rear Center	Intermediate Out-board	Intermediate Center	Other Sites
I – 9 to 18 kg	D	ISO/R2	X	IUF/IUF	X	N/A	N/A	N/A
	C	ISO/R3	X	IUF/IUF	X	N/A	N/A	N/A
	B	ISO/F2	X	IUF/IUF	X	N/A	N/A	N/A
	B1	ISO/F2X	X	IUF/IUF	X	N/A	N/A	N/A
	A	ISO/F3	X	IUF/IUF	X	N/A	N/A	N/A
		(1)	X	N/A	X	N/A	N/A	N/A
II – 15 to 25 kg		(1)	X	N/A	X	N/A	N/A	N/A
III – 22 to 36 kg		(1)	X	N/A	X	N/A	N/A	N/A

Key of letters used in the table above

(1) = For the CRS which do not carry the ISO/XX size class identification (A to G), for the applicable mass group, the car manufacturer shall indicate the vehicle specific ISOFIX child restraint system(s) recommended for each position.

IUF = Suitable for ISOFIX forward child restraint systems of “universal” category approved for use in the mass group.

IL = Suitable for particular ISOFIX child restraint systems (CRS) given in the attachment list.

These ISOFIX CRS are those of the “specific vehicle”, “restricted” or “semi-universal” categories.

X = ISOFIX position not suitable for ISOFIX child restraint systems in this mass group and/or this size class.

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. When using a Universal ISOFIX child restraint system, you can only use approved child restraint systems with the marking ECE R44 (release R44/03 or superior) “Universal ISOFIX”.

To Install An ISOFIX 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 the section “Installing Child Restraints Using the Vehicle Seat Belt” to check what type of seat belt each seating position has.

1. Loosen the adjusters on the lower connectors and on the tether strap of the child seat so that you can more easily attach the connectors to the vehicle anchorages.
2. Place the child seat between the lower anchorages for that seating position. For some second row seats, you may need to recline the seat and / or raise the head restraint 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.

3. Attach the connectors of the child restraint to the lower anchorages in the selected seating position.
4. If the child restraint has a tether strap, connect it to the top tether anchorage. See the section “Installing Child Restraints Using the Top Tether Anchorage” 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

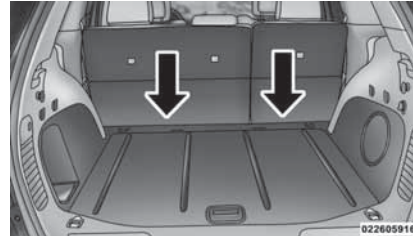
the belt path. It should not move more than 25 mm in any direction.

WARNING!

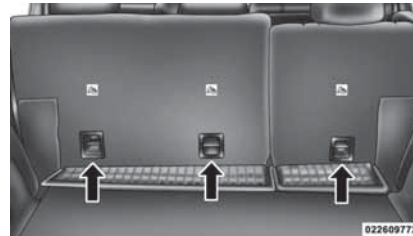
- Improper installation of a child restraint to the ISOFIX anchorages can lead to failure of the restraint. The child could be badly injured or killed. Follow the child restraint manufacturer’s directions exactly when installing an infant or child restraint.
- Child restraint anchorages are designed 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.
- Install the child restraint system when the vehicle is stationary. The ISOFIX child restraint system is correctly fixed to the brackets when you hear the click.

Installing Child Restraints Using The Top Tether Anchorage:

1. Look behind the seating position where you plan to install the child restraint to find the tether anchorage. You may need to move the seat forward to provide better access to the tether anchorage. If there is no top tether anchorage for that seating position, move the child restraint to another position in the vehicle if one is available.
2. To access the top tether strap anchorages behind the rear seat, pull the carpeted floor panel away from the seat back, this will expose the top tether strap anchorages.

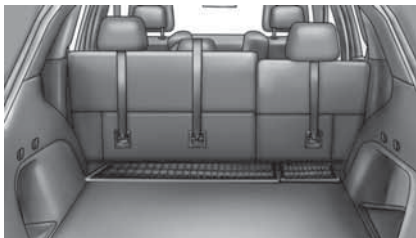


Pulling Down The Carpet Floor Panel To Access Top Tether Strap Anchorage



Top Tether Strap Anchorage (Located on Seatback)

3. Route the tether strap to provide the most direct path for the strap between the anchor and the child seat. If your vehicle is equipped with adjustable rear head restraints, raise the head restraint, and where possible, route the tether strap under the head restraint and between the two posts. If not possible, lower the head restraint and pass the tether strap around the outboard side of the head restraint.
4. For the center seating position, route the tether strap over the seatback and headrest then attach the hook to the tether anchor located on the back of the seat.
5. Attach the tether strap hook of the child restraint to the top tether anchorage as shown in the diagram.



Top Tether Strap Mounting

6. Remove slack in the tether strap according to the child restraint manufacturer's instructions.

WARNING!

- The top tether anchorages are not visible until the gap panel is folded down. Do not use the visible cargo tie down hooks, located on the floor behind the seats, to attach a child restraint tether anchor.

(Continued)

WARNING! (Continued)

- 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 seat-backs as you remove slack in the strap.

Installing Child Restraints Using The Vehicle Seat Belt

The seat belts in the rear 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. 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. For additional information on ALR, refer to the "Automatic Locking Mode" description under "Occupant Restraints."

How To Stow An Unused Switchable-ALR (ALR) Seat Belt:

When using the ISOFIX 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 ISOFIX 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.

Installing A Child Restraint With A Switchable Automatic Locking Retractor (ALR):

1. Place the child seat in the center of the seating position. For some second row seats, you may need to recline the seat and/or raise the head restraint 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.
2. 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.
3. Slide the latch plate into the buckle until you hear a "click."
4. Pull on the webbing to make the lap portion tight against the child seat.

5. 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.
6. 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.
7. 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.
8. 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 25 mm in any direction.

Any seat belt system will loosen with time, so check the belt occasionally, and pull it tight if necessary.

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 in pet harnesses or pet carriers that are secured by seat belts.

ENGINE BREAK-IN RECOMMENDATIONS

A long break-in period is not required for the drivetrain (engine, transmission, clutch, and rear axle) in your new vehicle.

Drive moderately during the first 300 mi (500 km). After the initial 60 mi (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. However, wide-open throttle acceleration in low gear can be detrimental and should be avoided.

The engine oil, transmission fluid, and axle lubricant installed at the factory is high-quality and energy-conserving. Oil, fluid, and lubricant changes should be consistent with anticipated climate and conditions under which vehicle operations will occur. For the recommended viscosity and quality grades, refer to "Maintenance Procedures" in "Maintaining Your Vehicle".

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 an indication of difficulty. Please check your oil level with the engine oil indicator

often during the break in period. Add oil as required.

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 build-up 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.

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 a competent mechanic 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.

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.

Front seat belt assemblies must be replaced after a collision. Rear seat belt assemblies must be replaced after a collision if they have been damaged (i.e., bent retractor, torn webbing, etc.). If there is any question regarding seat belt or retractor condition, replace the seat belt.

Air Bag Warning Light

The Air Bag warning light  will turn on for four to eight seconds as a bulb check when the ignition 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. This light will illuminate with a single chime when a fault with the Air Bag Warning Light has been detected, it will stay on until the fault is cleared. If the light comes on intermittently or remains on while driving, have an authorized dealer service the vehicle immediately. Refer to "Occupant Restraints" 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 your authorized dealer for service if your defroster is inoperable.

Floor Mat Safety Information

Always use floor mats designed to fit the footwell of your vehicle. Use only floor mats that leave the pedal area unobstructed and that are firmly secured so that they cannot slip out of position and interfere with the pedals or impair safe operation of your vehicle in other ways.

WARNING!

Pedals that cannot move freely can cause loss of vehicle control and increase the risk of serious personal injury.

- Always make sure that floor mats are properly attached to the floor mat fasteners.
- Never place or install floor mats or other floor coverings in the vehicle that cannot be properly secured to prevent them from moving and interfering with the pedals or the ability to control the vehicle.

(Continued)

WARNING! (Continued)

- Never put floor mats or other floor coverings on top of already installed floor mats. Additional floor mats and other coverings will reduce the size of the pedal area and interfere with the pedals.
- Check mounting of mats on a regular basis. Always properly reinstall and secure floor mats that have been removed for cleaning.
- Always make sure that objects cannot fall into the driver footwell while the vehicle is moving. Objects can become trapped under the brake pedal and accelerator pedal causing a loss of vehicle control.
- If required, mounting posts must be properly installed, if not equipped from the factory.

Failure to properly follow floor mat installation or mounting can cause interference with the brake pedal and accelerator pedal operation causing loss of control of the vehicle.

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 wheel nuts 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 vehicle after overnight parking for fuel, engine coolant, oil, or other fluid leaks. Also, if gasoline fumes are detected or if fuel, power steering fluid (if equipped), or brake fluid leaks are suspected. The cause should be located and corrected immediately.

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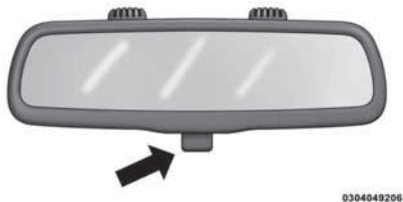
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MIRRORS

Inside Day/Night Mirror — If Equipped

The mirror head can be adjusted up, down, left, and right for various drivers. 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

0304049206

Automatic Dimming Mirror — If Equipped

The mirror head can be adjusted up, down, left, and right for various drivers. 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 gear to improve rear view viewing.**
- **The Automatic Dimming Mirror feature can be turned on or off using the Uconnect System, refer to “Uconnect Settings” in “Understanding Your Instrument Panel” for further information.**



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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.

Outside Mirrors

To receive maximum benefit, adjust the outside mirrors to center on the adjacent lane of traffic with a slight overlap of the view obtained on the inside mirror.

WARNING!

Vehicles and other objects seen in the passenger side convex mirror will look smaller and farther away than they really are. Relying too much on your passenger side convex mirror 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 the passenger side convex mirror. Some vehicles will not have a convex passenger side 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

**Outside Automatic Dimming Mirrors
— If Equipped**

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

Power Mirrors

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

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 Switch

- 1 — Mirror Direction Control
2 — Mirror Selection

Power mirror preselected positions can be controlled by the optional Memory Seat Feature. Refer to “Driver Memory Seat” in “Understanding The Features Of Your Vehicle” for further information.

Power Folding Outside Mirrors — If Equipped

The switch for the power folding mirrors is located between the power mirror select switches (L and R).

Push the switch once and the mirrors will fold in, pushing the switch a second time will return the mirrors to the normal driving position.



Power Folding Mirror Switch

Heated Mirrors — If Equipped



These mirrors are heated to melt frost or ice. This feature is activated whenever you turn on the rear window defroster. Refer to “Rear Window Features” in “Understanding The Features Of Your Vehicle” for further information.

Tilt Mirrors In Reverse (Available With Memory Seat Only) — If Equipped

Tilt Mirrors in Reverse provides automatic outside mirror positioning which will aid the drivers view of the ground rearward of the front doors. Outside mirrors will move slightly downward from the present position when the vehicle is shifted into REVERSE. Outside mirrors will then return to the original position when the vehicle is shifted out of REVERSE position. Each stored memory seat setting will have an associated Tilt Mirrors in Reverse position.

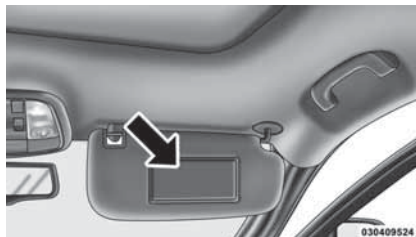
NOTE:

The Tilt Mirrors in Reverse feature is not turned on when delivered from the factory. The Tilt Mirrors in Reverse feature can be turned on and off using the Uconnect System. Refer to “Uconnect Settings/Customer Programmable Features” in “Understanding Your Instrument Panel” for further information.

Illuminated Vanity Mirrors

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

Lift the cover to reveal the mirror. The light will turn on automatically.



Illuminated Vanity Mirror

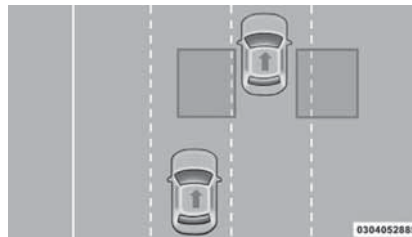
Sun Visor “Slide-On-Rod” Feature — If Equipped

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. Unclip the visor from the center clip.
3. Pull the sun visor toward the inside rearview mirror to extend it.

BLIND SPOT MONITORING (BSM) — IF EQUIPPED

The Blind Spot Monitoring (BSM) system uses two radar-based sensors, located inside the rear bumper fascia, 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 rear view mirrors to let the driver know that the system is operational. The BSM system sensors operate when the vehicle is in any forward

gear or REVERSE and enters stand-by 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 rear view mirror and extends approximately 10 ft (3 m) beyond the rear 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.
- The BSM system detection zone **DOES NOT** change if your vehicle is towing a trailer. Therefore, visually verify the adjacent lane is clear for both your vehicle and trailer before making a lane change. If the trailer or other object (i.e., bicycle, sports equipment) extends beyond the side of your vehicle, this may result in the

BSM warning light remaining illuminated the entire time the vehicle is in a forward gear.

The area on the rear fascia where the radar sensors are located must remain free of snow, ice, and dirt/road contamination so that the BSM system can function properly. Do not block the area of the rear fascia where the radar sensors are located with foreign objects (bumper stickers, bicycle racks, etc.).



Sensor Location

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. Refer to "Modes Of Operation" for further information.

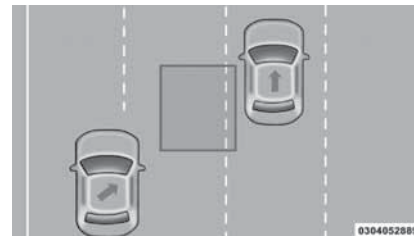


Warning Light Location

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

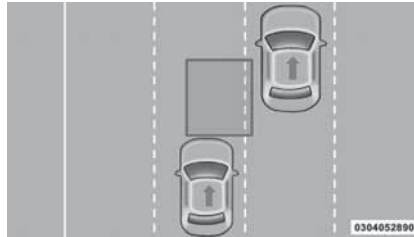
Vehicles that move into your adjacent lanes from either side of the vehicle.



Side Monitoring

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).

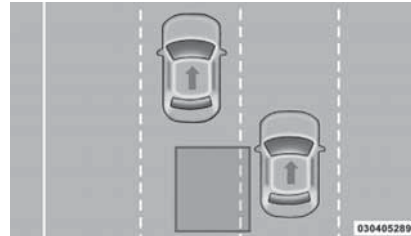


Rear Monitoring

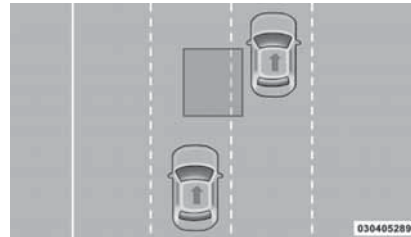
Overtaking Traffic

If you pass another vehicle slowly with a relative speed less than 10 mph (16 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 10 mph (16 km/h), the warning light will not illuminate.

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Overtaking/Approaching



Overtaking/Passing

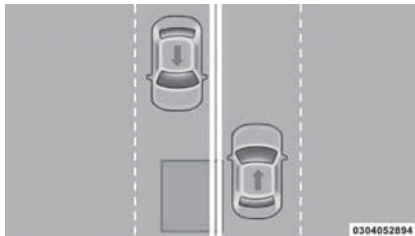
The BSM system is designed not to issue an alert on stationary objects such as guardrails,

posts, walls, foliage, berms, etc. However, occasionally the system may alert on such objects. This is normal operation and your vehicle does not require service.



Stationary Objects

The BSM system will not alert you of objects that are traveling in the opposite direction of the vehicle in adjacent lanes.



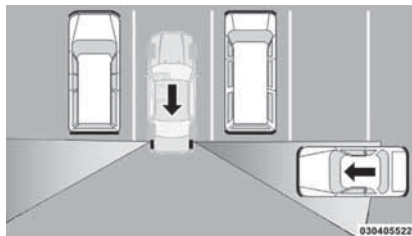
Opposing Traffic

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 vehicles 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)

The Rear Cross Path (RCP) feature 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.

NOTE:

In a parking lot situation, oncoming vehicles can be obscured 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.

When RCP is on and the vehicle is in REVERSE, the driver is alerted using both the visual and audible alarms, including reducing the radio volume.

WARNING!

RCP is not a Back Up 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, ani-

(Continued)

WARNING! (Continued)

mals, other vehicles, obstructions, and blind spots before backing up. Failure to do so can result in serious injury or death.

Modes Of Operation

Three selectable modes of operation are available in the Uconnect System. Refer to "Uconnect Settings/Customer Programmable Features" in "Understanding Your Instrument Panel" for further information.

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 or RCP 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.

SEATS

Seats are 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.

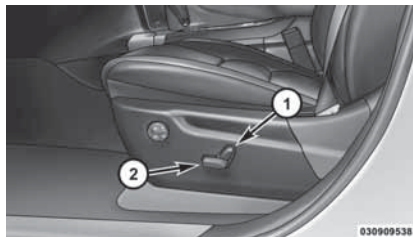
(Continued)

WARNING! (Continued)

- 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.

Power Seats — If Equipped

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



Power Seat Switches

- 1 — Seatback Switch
2 — Seat Switch

Adjusting The Seat Forward Or Rearward

The seat can be adjusted both forward and rearward. Push the seat switch forward or rearward. 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. Pull upward or push downward on the 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. Pull upward or push downward on the front of the 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. Push the seatback switch forward or rearward, 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.

(Continued)

WARNING! (Continued)

- 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.

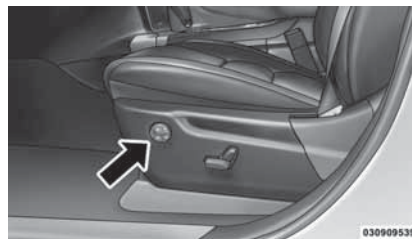
CAUTION!

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.

Power Lumbar — If Equipped

Vehicles equipped with power driver or passenger seats may also be equipped with power lumbar. 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. Pushing upward or downward on the switch will raise and lower the position of the support.



Power Lumbar Switch

Manual Front Seats Forward/Rearward Adjustment

Some models may be equipped with a manual front passenger seat. The seat can be adjusted forward or rearward by using a bar located by the front of the seat cushion, near the floor.



Adjustment Bar

While sitting in the seat, lift up on the bar located under the seat cushion and move 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.



Recline Lever

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.

Front Passenger Seat Fold-Flat Feature — If Equipped

To fold the seatback to the flat load-floor position, lift the recline lever and push the seatback forward. To return to the seating position, raise the seatback and lock it into place.



Fold-Flat Passenger Seat

WARNING!

- Adjusting a seat while the vehicle is moving is dangerous. The sudden movement of the seat could cause you to lose control.

(Continued)

WARNING! (Continued)

The seat belt might not be properly adjusted, and you could be severely injured or killed. Only adjust a seat while the vehicle is parked.

- Do not ride with the seatback reclined so that the seat belt is no longer resting against your chest. In a collision, you could slide under the seat belt and be severely injured or killed. Use the recliner only when the vehicle is parked.

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.

Heated Seats — If Equipped

On some models, the front and rear seats may be equipped with heaters located in the seat cushions and seat backs.

WARNING!

- Persons who are unable to feel pain to the skin because of advanced age, chronic illness, diabetes, spinal cord injury, medication, alcohol use, 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

The front heated seats control buttons are located within the climate or controls screen of the touchscreen.

You can choose from HI, LO or OFF heat settings. The indicator arrows in touchscreen buttons indicate the level of heat in use. Two indicator arrows will illuminate for HI, one for LO and none for OFF.

- Press the heated seat button  once to turn the HI setting ON.
- Press the heated seat button  a second time to turn the LO setting ON.
- Press the heated seat button  a third time to turn the heating elements OFF.

If the HI-level setting is selected, the system will automatically switch to LO-level after approximately 60 minutes of continuous operation. At that time, the display will change from HI to LO, indicating the change. The LO-level setting will turn OFF automatically after approximately 45 minutes.

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.

Vehicles Equipped With Remote Start

On models that are equipped with remote start, the heated seats can be programmed to come on during a remote start.

This feature can be programmed through the Uconnect system. Refer to “Uconnect Settings” in “Understanding Your Instrument Panel” for further information.

WARNING!

- Persons who are unable to feel pain to the skin because of advanced age, chronic illness, diabetes, spinal cord injury, medication, alcohol use, exhaustion or other physical condition must exercise care when using the seat heater. It may cause

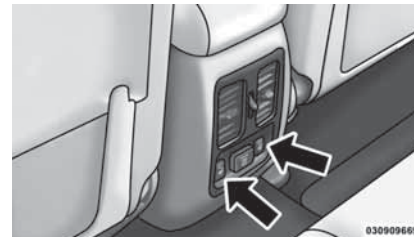
(Continued)

WARNING! (Continued)

- 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.

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.



Rear Heated Seat Switches

You can choose from HI, LO or OFF heat settings. Amber indicator lights in each switch indicate the level of heat in use. Two indicator lights will illuminate for HI, one for LO and none for OFF.



Push the switch once to select HI-level heating. Push the switch a second time to select LO-level heating. Push the switch a third time to shut the heating elements OFF.

When the HI-level setting is selected, the heater will provide a boosted heat level during the first

four minutes of operation. Then, the heat output will drop to the normal HI-level. If the HI-level setting is selected, the system will automatically switch to LO-level after approximately 60 minutes of continuous operation. At that time, the number of indicator lights changes from two to one, indicating the change. The LO-level setting will turn OFF automatically after approximately 45 minutes.

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.

WARNING!

- Persons who are unable to feel pain to the skin because of advanced age, chronic illness, diabetes, spinal cord injury, medication, alcohol use, exhaustion or other physical condition must exercise care when using the seat heater. It may cause

(Continued)

WARNING! (Continued)

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 Ventilated Seats — If Equipped

Located in the seat cushion and seat back are fans that draw the air from the passenger compartment and move air through fine perforations in the seat cover to help keep the driver and front passenger cooler in higher ambient temperatures. The fans operate at two speeds, HI and LO.

The front ventilated seats control buttons are located within the Uconnect system. You can gain access to the control buttons through the climate screen or the controls screen.

- Press the ventilated seat button  once to choose HI.
- Press the ventilated seat button  a second time to choose LO.
- Press the ventilated seat button  a third time to turn the ventilated seat OFF.

NOTE:

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

Vehicles Equipped With Remote Start

On models that are equipped with remote start, the ventilated seats can be programmed to come on during a remote start.

This feature can be programmed through the Uconnect system. Refer to “Uconnect Settings” in “Understanding Your Instrument Panel” for further information.

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!

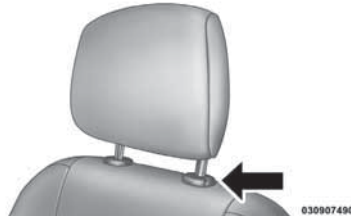
The head restraints for all occupants must be properly adjusted prior to operating the vehicle or occupying a seat. Head restraints should never be adjusted while the vehicle is in motion. Driving a vehicle with the head restraints improperly adjusted or removed could cause serious injury or death in the event of a collision.

Supplemental Active Head Restraints — Front Seats

Active Head Restraints are passive, deployable components, and vehicles with this equipment cannot be readily identified by any markings, only through visual inspection of the head restraint. The Active Head Restraints (AHR) will be split in two halves, with the front half being soft foam and trim, the back half being decorative plastic.

When AHRs deploy during a rear impact, the front half of the head restraint extends forward to reduce the gap between the back of the occupant's head and the AHR. This system is design to reduce the risk of injury to the driver or front passenger in certain types of rear impacts. Refer to "Occupant Restraints" in "Things To Know Before Starting Your Vehicle" for further information.

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.



Adjustment Button

For comfort the Active Head Restraints can be tilted forward and rearward. To tilt the head restraint closer to the back of your head, pull forward on the bottom of the head restraint. Push rearward on the bottom of the head restraint to move the head restraint away from your head.



Active Head Restraint (Normal Position)



Active Head Restraint (Tilted)

NOTE:

- The head restraints should only be removed by qualified technicians, for service purposes only. If either of the head restraints require removal, see your authorized dealer.
- In the event of deployment of an Active Head Restraint, refer to “Occupant Restraints/Resetting Active Head Restraints (AHR)” in “Things To Know Before Starting Your Vehicle” for further information.

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 collision.
- Do not place items over the top of the Active Head Restraint, such as coats, seat covers or portable DVD players. These items may interfere with the operation of the Active Head Restraint in the event of a collision and could result in serious injury or death.
- Active Head Restraints may be deployed if they are struck by an object such as a hand, foot or loose cargo. To avoid accidental deployment of the Active Head Restraint ensure that all cargo is secured, as loose cargo could contact the Active Head Restraint during sudden stops. Failure to follow this warning could cause personal

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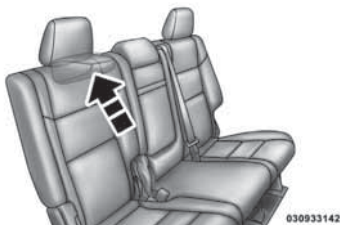
WARNING! (Continued)

injury if the Active Head Restraint is deployed.

Head Restraints — Rear Seats

The head restraints on the outboard seats are not adjustable. They automatically fold forward when the rear seat is folded to a load floor position but do not return to their normal position when the rear seat is raised. After returning either seat to its upright position, raise the head restraint until it locks in place. The outboard head restraints are not removable.

The center head restraint has limited adjustment. Lift upward on the head restraint to raise it, or push downward on the head restraint to lower it.



Rear Head Restraint

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.

NOTE:

For proper routing of a Child Seat Tether, refer to “Occupant Restraints” in “Things to Know Before Starting Your Vehicle” for further information.

60/40 Split Rear Seat

To Lower Rear Seat

Either side of the rear seat can be lowered to allow for extended cargo space and still maintain some rear seating room.

NOTE:

Be sure that the front seats are fully upright and positioned forward. This will allow the rear seatback to fold down easily.

1. Pull upward on the release lever to release the seat.



Rear Seat Release

NOTE:

- Do not fold the 60% rear seat down with the left outboard or rear center seat belt buckled.
- Do not fold the 40% rear seat down with the right outboard seat belt buckled.

2. Fold the rear seat completely forward.



Rear Seat Folded

NOTE:

You may experience deformation in the seat cushion from the seat belt buckles if the seats are left folded for an extended period of time. This is normal and by simply opening the seats to the open position, over time the seat cushion will return to its normal shape.

To Raise Rear Seat

Raise the rear seatback and lock it into place. If interference from the cargo area prevents the seatback from fully locking, you will have difficulty returning the seat to its proper position.

WARNING!

- Be certain that the seatback is securely locked into position. If the seatback is not securely locked into position the seat will not provide the proper stability for child seats and/or passengers. An improperly latched seat could cause serious injury.

(Continued)

WARNING! (Continued)

- The cargo area in the rear of the vehicle (with the rear seatbacks in the locked-up or folded down position) should not be used as a play area by children when the vehicle is in motion. They could be seriously injured in a collision. Children should be seated and using the proper restraint system.

Reclining Rear Seat

To recline the seatback, lift the lever located on the outboard side of the seat, lean back and release the lever at the desired position. To return the seatback, lift the lever, lean forward and release the lever.



Rear Seat Release

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.

DRIVER MEMORY SEAT — IF EQUIPPED

This feature allows the driver to store up to two different memory profiles for easy recall through a memory switch. Each memory profile contains desired position settings for the driver seat, side mirrors, and power tilt and telescopic steering column (if equipped) and a set of desired radio station presets. Your Remote Keyless Entry (RKE) Key Fob can also be programmed to recall the same positions when the UNLOCK button is pushed.

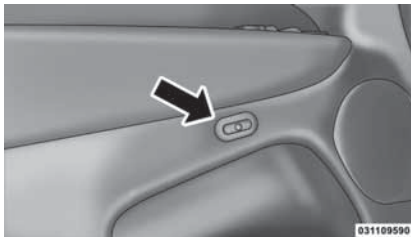
NOTE:

Your vehicle is equipped with two RKE Key Fobs, one RKE Key Fob can be linked to memory position 1 and the other Key Fob can be linked to memory position 2.

The memory seat switch is located on the driver's door trim panel. The switch consists of three buttons:

- The (S) button, which is used to activate the memory save function.

- The (1) and (2) buttons which are used to recall either of two pre-programmed memory profiles.



Memory Seat Switch

Programming The Memory Feature

NOTE:

To create a new memory profile, perform the following:

1. Cycle the vehicles ignition to the ON/RUN position (Do not start the engine).
2. Adjust all memory profile settings to desired preferences (i.e., seat, side mirror, power tilt

and telescopic steering column [if equipped], and radio station presets).

3. Push and release the S (Set) button on the memory switch.
4. Within five seconds, push and release either of the memory buttons (1) or (2). The Driver Information Display (DID) 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.
- To set a memory profile to your RKE Key Fob, refer to “Linking And Unlinking The Remote Keyless Entry Key Fob To Memory” in this section.

Linking And Unlinking The Remote Keyless Entry Key Fob To Memory

Your RKE Key Fobs can be programmed to recall one of two pre-programmed memory profiles by pushing the UNLOCK button on the RKE Key Fob.

NOTE:

Before programming your RKE Key Fobs you must select the “Memory Linked To FOB” feature through the Uconnect system screen. Refer to “Uconnect Settings ” in “Understanding Your Instrument Panel” for further information.

To program your RKE Key Fobs, perform the following:

1. Cycle the vehicles ignition to the OFF position.
2. Select a desired memory profile (1) or (2).

NOTE:

If a memory profile has not already been set, refer to “Programming The Memory Feature” in this section for instructions on how to set a memory profile.

3. Once the profile has been recalled, push and release the SET (S) button on the memory switch.

4. Within five seconds, 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 RKE Key Fob within 10 seconds.

NOTE:

Your RKE Key Fobs can be unlinked to your memory settings by pushing the SET (S) button, and within 10 seconds, followed by pushing the UNLOCK button on the RKE Key Fob.

Memory Position Recall**NOTE:**

The vehicle must be in PARK to recall memory positions. If a recall is attempted when the vehicle is not in PARK, a message will be displayed in the Driver Information Display (DID).

Driver One Memory Position Recall

- To recall the memory settings for driver one using the memory switch, push MEMORY button number 1 on the memory switch.
- To recall the memory settings for driver one using the RKE Key Fob, push the UNLOCK button on the RKE Key Fob linked to memory position 1.

Driver Two Memory Position Recall

- To recall the memory setting for driver two using the memory switch, push MEMORY button number 2 on the memory switch.
- To recall the memory settings for driver two using the RKE Key Fob, push the UNLOCK button on the RKE Key Fob linked to memory position 2.

A recall can be cancelled by pushing any of the MEMORY buttons during a recall (S, 1, or 2). When a recall is cancelled, the driver’s seat and steering column (if equipped) stop moving. A delay of one second will occur before another recall can be selected.

Easy Entry/Exit Seat

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

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

- When you cycle the vehicle's ignition to the OFF position, the driver seat will move about 2.4 inches (60 mm) rearward if the driver seat position is greater than or equal to 2.7 inches (67.7 mm) forward of the rear stop. The seat will return to its previously set position when you cycle the vehicle's ignition to the ACC or RUN position.

- The Easy Entry/Easy Exit feature is disabled when the driver seat position is less than 0.9 of an inch (22.7 mm) 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.

Each stored memory setting will have an associated Easy Entry and Easy Exit position.

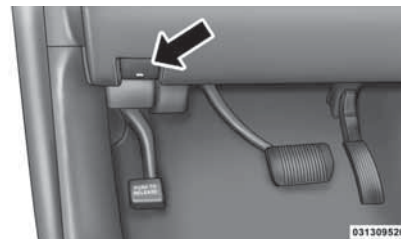
NOTE:

The Easy Entry/Exit feature is not enabled when the vehicle is delivered from the factory. The Easy Entry/Exit feature is enabled (or later disabled) through the programmable features in the Uconnect system. Refer to "Uconnect Settings/Customer Programmable Features" in "Understanding Your Instrument Panel" for further information.

TO OPEN AND CLOSE THE HOOD

To open the hood, two latches must be released.

1. Pull the release lever located below the instrument panel and in front of the driver's door.



Hood Release

2. Reach under the hood, move safety latch to the left and lift the hood.



Safety Latch Location

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.

LIGHTS

Headlight Switch

The headlight switch is located on the left side of the instrument panel, next to the steering wheel. The headlight switch controls the operation of the headlights, parking lights, instrument panel lights, cargo lights and fog lights (if equipped).



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Headlight 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.

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.

CAUTION!

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

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 A (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 turn the ignition switch to 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.

Headlights On Automatically 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 screen. Refer to “Uconnect Settings” in “Understanding Your Instrument Panel” for further information.

If your vehicle is equipped with a “Rain Sensitive Wiper System” and it is activated, the headlights will automatically turn on after the wipers complete five wipe cycles within approximately one minute, and they will turn off approximately four minutes after the wipers completely stop. Refer to “Windshield Wipers And Washers” in this section for further information.

NOTE:

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

Automatic High Beam — If Equipped

The automatic high beam system provides increased forward lighting at night by automating high beam control through the use of a digital camera mounted on the inside rearview mirror. This camera detects vehicle specific light and automatically switches from high beams to low beams until the approaching vehicle is out of view.

NOTE:

- If the windshield or automatic high beam mirror is replaced, the automatic high beam mirror must be re-aimed to ensure proper performance. See your local authorized dealer.
- Broken, muddy, or obstructed headlights and taillights of vehicles in the field of view will cause headlights to remain on longer (closer to the vehicle). Also, dirt,

film, and other obstructions (sticker, toll box, etc.) on the windshield or camera lens will cause the system to function improperly.

- To opt out of the Advanced Auto High-Beam Sensitivity Control (default) and enter Reduced High-Beam Sensitivity Control (not recommended), toggle highbeam lever 6 full on/off cycles within 10 seconds of ignition ON. System will return to default setting upon ignition off.

To Activate

1. Enable the Automatic High Beams through the Uconnect system screen. Refer to “Uconnect Settings” in “Understanding Your Instrument Panel” for further information.
2. Turn the headlight switch to the AUTO headlight position.
3. Push the multifunction lever away from you (toward front of vehicle) to engage the high beam mode.

NOTE:

This system will not activate until the vehicle is at or above 20 mph (32 km/h).

To Deactivate

1. Pull the multifunction lever toward you (or rearward in vehicle) to manually deactivate the system (normal operation of low beams).
2. Push back on the multifunction lever to re-activate the system.

Daytime Running Lights — If Equipped

The Daytime Running Lights (low intensity) come on whenever the engine is running, and the transmission is not in the PARK position. The lights will remain on until the ignition is switched to the OFF or ACC position or the parking brake is engaged.

NOTE:

- If a turn signal is activated, the DRL lamp on the same side of the vehicle will turn off for the duration of the turn signal

activation. Once the turn signal is no longer active, the DRL lamp will illuminate.

- The DRL function may be disabled through the Uconnect system. Refer to “Uconnect Settings” in “Understanding Your Instrument Panel” for further information.

The headlight switch must be used for normal nighttime driving.

Automatic Headlight Leveling — HID Headlights Only

This feature prevents the headlights from interfering with the vision of oncoming drivers. Headlight leveling automatically adjusts the height of the headlight beam in reaction to changes in vehicle pitch.

Adaptive Bi-Xenon High Intensity Discharge Headlights — If Equipped

This system automatically swivels the headlight beam pattern horizontally to provide increased illumination in the direction the vehicle is steering.

NOTE:

- Each time the Adaptive Headlight System is turned on, the headlights will initialize by performing a brief sequence of rotations.
- The Adaptive Headlight System is active only when the vehicle is moving forward.

The Adaptive Headlight System can be turned On or Off using the Uconnect System, refer to “Uconnect Settings” in “Understanding Your Instrument Panel” for further information.

Headlight Delay

To aid in your exit, your vehicle is equipped with a headlight delay that will leave the headlights on for approximately up to 90 seconds. This delay is initiated when the ignition is turned OFF while the headlight switch is on, and then the headlight switch is cycled off. Headlight delay can be cancelled by either turning the headlight switch on then off, or by turning the ignition ON.

NOTE:

If your vehicle is equipped with a touchscreen, this feature can be programmed through the Uconnect system. Refer to “Uconnect Settings” in “Understanding Your Instrument Panel” for further information.

If your vehicle is not equipped with a touchscreen, this feature can be programmed through the Driver Information Display (DID). Refer to “Driver Information Display (DID)” in “Understanding Your Instrument Panel” for further information.

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.

Front And Rear Fog Lights — If Equipped

The front and rear fog lights may be operated as desired when visibility is poor due to fog. The

fog lights will activate in the following order: Push the headlight switch once and the front fog lights come on. Push the switch a second time and the rear fog lights will come on (front fog lights stay on). Push the switch a third time and the rear fog lights turn off (front fog stays on). Push the switch a fourth times and the front fog turns off.

NOTE:

The headlight switch must first be turned to the position lights or headlights position before the fog lamp switch can be pushed in.



Fog Light Operation

Interior Lights

Courtesy and dome lights are turned on when the front doors are opened or when the dimmer control (rotating wheel on the right side of the headlight switch) is rotated to the its farthest upward position. If your vehicle is equipped with Remote Keyless Entry (RKE) and the UNLOCK button is pushed on the RKE key fob, the courtesy and dome lights will turn on. When a door is open and the interior lights are on, rotating the dimmer control all the way down, to the OFF detent, will cause all the interior lights to go out. This is also known as the “Party” mode because it allows the doors to stay open for extended periods of time without discharging the vehicle’s battery.

The brightness of the instrument panel lighting can be regulated by rotating the dimmer control up (brighter) or down (dimmer). When the headlights are on you can supplement the brightness of the DID, radio and overhead console by rotating the control to its farthest position up until you hear a click. This feature is termed the “Parade” mode and is useful when headlights are required during the day.



Dimmer Control

Lights-On Reminder

If the headlights or parking lights are left on after the ignition is turned OFF, a chime will sound when the driver’s door is opened.

Battery Saver

To protect the life of your vehicle’s battery, load shedding is provided for both the interior and exterior lights.

If the ignition is OFF and any door is left ajar for 10 minutes or the dimmer control is rotated all

the way up to the dome ON position for 10 minutes, the interior lights will automatically turn off.

NOTE:

Battery saver mode is cancelled if the ignition is ON.

If the headlights remain on while the ignition is cycled OFF, the exterior lights will automatically turn off after eight minutes. If the headlights are turned on and left on for eight minutes while the ignition is OFF, the exterior lights will automatically turn off.

NOTE:

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

Front Map/Reading Lights — If Equipped

The front map/reading lights are mounted in the overhead console.



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Front Map/Reading Lights

Each light can be turned on by pushing a switch on either side of the console. These buttons are backlit for night time visibility. To turn the lights off, push the switch a second time. The lights will also turn on when the UNLOCK button on the Remote Keyless Entry (RKE) is pushed.



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Front Map/Reading Light Switches

Courtesy Lights

The courtesy lights can be turned on by pushing the top corner of the lens. To turn the lights off, push the lens a second time.



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Courtesy Lights

Ambient Light — If Equipped

The overhead console is equipped with an ambient light feature. This light casts illumination for improved visibility of the floor and center console area.

Multifunction Lever

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



Multifunction Lever

Turn Signals

Move the multifunction lever up or down and the arrows on each side of the instrument cluster flash to show proper operation of the front and rear turn signal lights.

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. If an indicator fails to light when the lever is moved, it would suggest that the indicator bulb is defective.

Lane Change Assist

Tap the lever up or down once, without moving beyond the detent, and the turn signal (right or left) will flash three times then automatically turn off.

Flash-To-Pass

You can signal another vehicle with your headlights by partially pulling the multifunction lever toward the steering wheel. This will cause the high beam headlights to turn on until the lever is released.

High/Low Beam Switch

Push the multifunction lever toward the instrument panel to switch the headlights to high beams. Pulling the multifunction back toward

the steering wheel will turn the low beams back on, or shut the high beams off.

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. For information on the rear wiper/washer, refer to “Rear Window Features” in “Understanding The Features Of Your Vehicle”.



Multifunction Lever

Windshield Wiper Operation

Rotate the end of the lever to one of the first four detent positions for intermittent settings, the fifth detent for low wiper operation and the sixth detent for high wiper operation.



Windshield Wiper Operation

CAUTION!

Always remove any buildup of snow that prevents the windshield wiper blades from returning to the "park" position. If the windshield wiper switch is turned off, and the

(Continued)

CAUTION! (Continued)

blades cannot return to the "park" position, damage to the wiper motor may occur.

Intermittent Wiper System

Use one of the four intermittent wiper settings when weather conditions make a single wiping cycle, with a variable delay between cycles, desirable. At driving speeds above 10 mph (16 km/h), the delay can be regulated from a maximum of approximately 18 seconds between cycles (first detent), to a cycle every one second (fourth detent).



Intermittent Wiper Operation

NOTE:

If the vehicle is moving less than 10 mph (16 km/h), delay times will be doubled.

Windshield Washer Operation

To use the washer, push on the end of the lever (toward the steering wheel) and hold while spray is desired. If the lever is pushed while in the intermittent setting, the wipers will turn on and operate for several wipe cycles after the end of the lever is released, and then resume the intermittent interval previously selected.



Windshield Washer Operation

If the end of the lever is pushed while the wipers are in the off position, the wipers will operate for several wipe cycles, then turn off.

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

Use the Mist feature when weather conditions make occasional usage of the wipers necessary. Rotate the end of the lever downward to the Mist position and release for a single wiping cycle.

NOTE:

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



Mist Control

Rain Sensing Wipers — If Equipped

This feature senses moisture on the windshield and automatically activates the wipers for the driver. The feature is especially useful for road splash or overspray from the windshield wash-

ers of the vehicle ahead. Rotate the end of the multifunction lever to one of four settings 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 position four is the most sensitive. Setting three should be used for normal rain conditions. Settings one and two can be used if the driver desires less wiper sensitivity. Setting four can be used if the driver desires more sensitivity. Place the wiper switch in the 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 Rain-X or products containing wax or silicone may reduce Rain Sensing performance.**

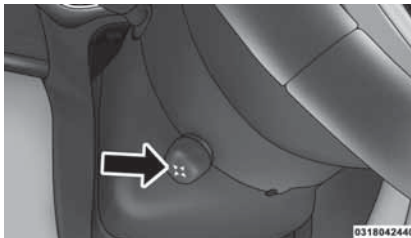
- The Rain Sensing feature can be turned on and off using the Uconnect System, refer to “Uconnect Settings” in “Understanding Your Instrument Panel” for further information.

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 turned ON, the Rain Sensing system will not operate until the wiper switch is moved, vehicle speed is greater than 0 mph (0 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.

POWER TILT/TELESCOPING STEERING COLUMN — IF EQUIPPED

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



Power Tilt/Telescoping Steering Column

To tilt the steering column, move the lever up or down as desired. To lengthen or shorten the steering column, pull the lever toward you or push the lever away from you as desired.

NOTE:

For vehicles equipped with Driver Memory Seat, you can use your Remote Keyless Entry (RKE) Key Fob or the memory switch on the driver's door trim panel to return the tilt/telescopic steering column to pre-programmed positions. Refer to “Driver Memory Seat” in this section for further information.

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 operate for up to 80 minutes before automatically shutting off. The heated steering wheel can shut off early or may not turn on when the steering wheel is already warm.

The heated steering wheel control button is located within the Uconnect system. You can gain access to the control button through the climate screen or the controls screen.

- 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.

Vehicles Equipped With Remote Start

On models that are equipped with remote start, the heated steering wheel can be programmed to come on during a remote start through the Uconnect system. Refer to “Uconnect Settings” in “Understanding Your Instrument Panel” for further information.

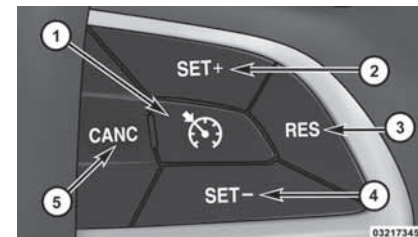
WARNING!

- Persons who are unable to feel pain to the skin because of advanced age, chronic illness, diabetes, spinal cord injury, medication, alcohol use, 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.
- Do not place anything on the steering wheel that insulates against heat, such as a blanket or steering wheel covers of any type and material. This may cause the steering wheel heater to overheat.

ELECTRONIC SPEED CONTROL — IF EQUIPPED

When engaged, the Electronic Speed Control takes over accelerator operations at speeds greater than 25 mph (40 km/h).

The Electronic Speed Control buttons are located on the right side of the steering wheel.



Electronic Speed Control Buttons

- | | |
|----------------|-----------------|
| 1 — On/Off | 4 — SET-/Decel |
| 2 — SET+/Accel | 5 — CANC/Cancel |
| 3 — RES/Resume | |

NOTE:

In order to ensure proper operation, the Electronic Speed Control System has been designed to shut down if multiple Speed Control functions are operated at the same time. If this occurs, the Electronic Speed Control System can be reactivated by pushing the Electronic Speed Control ON/OFF button and resetting the desired vehicle set speed.

To Activate

Push the ON/OFF button to activate the electronic speed control. CRUISE CONTROL READY will appear on the instrument cluster to indicate the electronic speed control is on. To turn the system off, push the ON/OFF button a second time. CRUISE CONTROL OFF will appear on the instrument cluster to indicate the electronic speed control is off. The system should be turned off when not in use.

WARNING!

Leaving the Electronic Speed 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 leave the system OFF when you are not using it.

To Set A Desired Speed

Turn the Electronic Speed 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. Once a speed has been set a message CRUISE CONTROL SET TO MPH (km/h) will appear indicating what speed was set. A CRUISE indicator lamp, along with set speed will also appear and stay on in the instrument cluster when the speed is set.

To Deactivate

A soft tap on the brake pedal, pushing the CANCEL button, or normal brake pressure while slowing the vehicle will deactivate the Electronic Speed Control without erasing the set speed from memory.

Pushing the ON/OFF button or turning the ignition switch OFF erases the set speed from memory.

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 Vary The Speed Setting
To Increase Speed**

When the Electronic Speed Control is set, you can increase speed by pushing the SET + button.

The drivers preferred units can be selected through the instrument panel settings if equipped. Refer to "Understanding Your Instrument Panel" for more information. The speed

increment shown is dependant on the chosen speed unit of U.S. (mph) or Metric (km/h):

U.S. Speed (mph)

- Pushing the SET + button once will result in a 1 mph increase in set speed. Each subsequent tap of the button results in an increase of 1 mph.
- If the button is continually pushed, the set speed will continue to increase until the button is released, then the new set speed will be established.

Metric Speed (km/h)

- Pushing the SET + button once will result in a 1 km/h increase in set speed. Each subsequent tap of the button results in an increase of 1 km/h.
- If the button is continually pushed, the set speed will continue to increase until the button is released, then the new set speed will be established.

To Decrease Speed

When the Electronic Speed Control is set, you can decrease speed by pushing the SET - button.

The drivers preferred units can be selected through the instrument panel settings if equipped. Refer to "Understanding Your Instrument Panel" for more information. The speed decrement shown is dependant on the chosen speed unit of U.S. (mph) or Metric (km/h):

U.S. Speed (mph)

- Pushing the SET - button once will result in a 1 mph decrease in set speed. Each subsequent tap of the button results in a decrease of 1 mph.
- If the button is continually pushed, the set speed will continue to decrease until the button is released, then the new set speed will be established.

Metric Speed (km/h)

- Pushing the SET - button once will result in a 1 km/h decrease in set speed. Each subsequent tap of the button results in a decrease of 1 km/h.
- If the button is continually pushed, the set speed will continue to decrease until the button is released, then the new set speed will be established.

To Accelerate For Passing

Press the accelerator as you would normally. When the pedal is released, the vehicle will return to the set speed.

Using Electronic Speed Control On Hills

The transmission may downshift on hills to maintain the vehicle set speed.

NOTE:

The Electronic Speed 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 Electronic Speed Control.

WARNING!

Electronic Speed 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 Electronic Speed Control in heavy traffic or on roads that are winding, icy, snow-covered or slippery.

ADAPTIVE CRUISE CONTROL (ACC) — IF EQUIPPED

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. **Electronic Speed Control function performs differently. Please refer to the proper section within this chapter.**

ACC will allow you to keep cruise control engaged in light to moderate traffic conditions without the constant need to reset your cruise control. ACC utilizes a radar sensor and a forward facing camera designed to detect a vehicle directly ahead of you.

NOTE:

- If the sensor does not detect a vehicle ahead of you, ACC will maintain a fixed set speed.
- 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.

The Cruise Control system has two control modes:

- Adaptive Cruise Control mode for maintaining an appropriate distance between vehicles.
- Normal (fixed speed) electronic speed control mode for cruising at a constant preset

speed. For additional information, refer to "Normal (Fixed Speed) Cruise Control Mode" in this section.

NOTE:

Normal (fixed speed) electronic speed control will not react to preceding vehicles. Always be aware of the mode selected.

You can change the mode by using the Cruise Control buttons. The two control modes function differently. Always confirm which mode is selected.

WARNING!

- Adaptive Cruise Control (ACC) is a convenience system. It is not a substitute for active driving 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.

(Continued)

WARNING! (Continued)

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 the vehicle to a complete stop while following a target vehicle and hold the vehicle for 2 seconds in the stop position. If the target vehicle does not

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WARNING! (Continued)

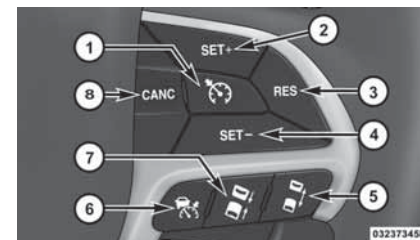
start moving within two seconds the ACC system will display a message that the system will release the brakes and that the brakes must be applied manually. An audible chime will sound when the brakes are released.

You should switch off 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.
- 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 speed control buttons (located on the right side of the steering wheel) operate the ACC system.



Adaptive Cruise Control Buttons

- | | |
|--|--|
| 1 — Normal (Fixed Speed) Cruise Control On/Off | 5 — Distance Setting Increase |
| 2 — SET+/Accel | 6 — Adaptive Cruise Control (ACC) On/Off |
| 3 — RES/Resume | 7 — Distance Setting Decrease |
| 4 — SET-/Decel | 8 — CANCEL/Cancel |

NOTE:

Any chassis/suspension or tire size modifications to the vehicle will effect the performance of the Adaptive Cruise Control and Forward Collision Warning System.

Activating Adaptive Cruise Control (ACC)

You can only engage ACC if the vehicle speed is above 0 mph (0 km/h).

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 Driver Information Display (DID) displays "ACC Ready."

When the system is OFF, the DID displays "Adaptive Cruise Control (ACC) Off."

NOTE:

You cannot engage ACC under the following conditions:

- When in Four-Wheel Drive Low.
- When you apply the brakes.

- When the parking brake is set.
- When the automatic transmission is in PARK, REVERSE or NEUTRAL.
- When the Vehicle speed is outside of the speed range.
- When the brakes are overheated.
- When the driver door is open.
- When the driver seat belt is unbuckled.
- 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 DID displays "ACC Ready."

ACC Ready

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Adaptive Cruise Control 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 DID will display "Adaptive Cruise Control (ACC) Off."

Adaptive Cruise Control (ACC) Off

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Adaptive Cruise Control 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 DID will display the set speed.

If the system is Set when the vehicle speed is below 19 mph (30 km/h), the Set Speed shall be defaulted to 19 mph (30 km/h). If the 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:

ACC cannot be set if there is a stationary vehicle in front of your vehicle in close proximity.

Remove your foot from the accelerator pedal. If you do not, the vehicle may continue to accelerate beyond the set speed. If this occurs:

- The message "DRIVER OVERRIDE" will display in the DID.
- The system will not be controlling 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 system:

- The brake pedal is applied.

- The CANCEL button is pushed.
- An Anti-Lock Brake System (ABS) event occurs.
- 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.
- Driver seatbelt is unbuckled at low speeds.
- Driver door is opened at low speeds.
- A Trailer Sway Control (TSC) event occurs.

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 Normal (Fixed Speed) Electronic Speed Control ON/OFF button is pushed.
- The ignition is turned OFF.
- You switch to Four-Wheel Drive Low.

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 DID will display the last set speed.

NOTE:

- If your vehicle stays at standstill for longer than two seconds, then the system will cancel and the brake force will be ramped-out. The driver will have to apply the brakes to keep the vehicle at a standstill.
- 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

(Continued)

WARNING! (Continued)

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 Speed

While ACC is set, you can increase the set speed by pushing the SET + button.

The drivers preferred units can be selected through the instrument panel settings if equipped. Refer to "Understanding Your Instrument Panel" for more information. The speed increment shown is dependant on the chosen speed unit of U.S. (mph) or Metric (km/h):

U.S. Speed (mph)

- Pushing the SET + button once will result in a 1 mph increase in set speed. Each subsequent tap of the button results in an increase of 1 mph.
- If the button is continually pushed, the set speed will continue to increase in 5 mph

increments until the button is released. The increase in set speed is reflected in the DID.

Metric Speed (km/h)

- Pushing the SET + button once will result in a 1 km/h increase in set speed. Each subsequent tap of the button results in an increase of 1 km/h.
- If the button is continually pushed, the set speed will continue to increase in 10 km/h increments until the button is released. The increase in set speed is reflected in the DID.

To Decrease Speed

While ACC is set, the set speed can be decreased by pushing the SET - button.

The drivers preferred units can be selected through the instrument panel settings if equipped. Refer to "Understanding Your Instrument Panel" for more information. The speed decrement shown is dependant on the chosen speed unit of U.S. (mph) or Metric (km/h):

U.S. Speed (mph)

- Pushing the SET - button once will result in a 1 mph decrease in set speed. Each subsequent tap of the button results in a decrease of 1 mph.
- If the button is continually pushed, the set speed will continue to decrease in 5 mph decrements until the button is released. The decrease in set speed is reflected in the DID.

Metric Speed (km/h)

- Pushing the SET - button once will result in a 1 km/h decrease in set speed. Each subsequent tap of the button results in a decrease of 1 km/h.
- If the button is continually pushed, the set speed will continue to decrease in 10 km/h decrements until the button is released. The decrease in set speed is reflected in the DID.

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 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 applies the brake down to a full stop when following a target vehicle. If an ACC host vehicle follows a target vehicle to a standstill, the host vehicle will release the vehicle brakes two seconds after coming to a full stop.
- The ACC system maintains set speed when driving up hill and down hill. 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 up hill and down hill, the ACC system will cancel if the braking temperature exceeds normal range (overheated).

Setting The Following Distance In ACC

The specified following distance for 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 DID.



Distance Setting 4 Bars (Longest)



Distance Setting 3 Bars (Long)



Distance Setting 1 Bar (Short)



Distance Setting 2 Bars (Medium)

To increase the distance setting, push the Distance Setting — 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 Setting — 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 DID displays the “Sensed Vehicle Indicator” icon,

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. (Refer to the information on ACC Activation).

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 DID and a chime will sound while ACC continues to apply its maximum braking capacity.



NOTE:

The “Brake!” Screen in the DID is a warning for the driver to take action and does not necessarily mean that the Forward Collision Warning system is applying the brakes autonomously.

Overtake Aid

When driving with ACC engaged and following a vehicle, the system will provide an additional acceleration up to the ACC set speed to assist in 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

If the ACC system brings your vehicle to a standstill while following a target vehicle, if the target vehicle 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 target vehicle does not start moving within two seconds of your vehicle coming to a standstill, the ACC with Stop system will cancel and the brakes will release. A cancel message will

display on the DID and produce a warning chime. Driver intervention will be required at this moment.

While ACC with Stop is holding your vehicle at a standstill, if the driver seatbelt is unbuckled or the driver door is opened, the ACC with Stop system will cancel and the brakes will release. A cancel message will display on the DID and produce a warning chime. Driver intervention will be required at this moment.

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.

Adaptive Cruise Control (ACC) Menu

The DID displays the current ACC system settings. The DID is located in the center of the instrument cluster. The information it displays depends on ACC system status.

Push the ADAPTIVE CRUISE CONTROL (ACC) ON/OFF button (located on the steering wheel) until one of the following displays in the DID:

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 DID:

ACC SET

When ACC is set, the set speed will display in the instrument cluster.

The ACC screen may display once again if any ACC activity occurs, which may include any of the following:

- System Cancel
- Driver Override

- System Off
- ACC Proximity Warning
- ACC Unavailable Warning
- The DID will return to the last display selected after five seconds of no ACC display activity

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 also a chime will indicate 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 read “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. tun-

nels with reflective tiles, or ice and snow). 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 Normal (Fixed Speed) Cruise Control is still available. For additional information refer to “Normal (Fixed Speed) Cruise Control Mode” in this section.

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 center of the vehicle behind the lower grille.

To keep the ACC System operating properly, it is important to note the following maintenance items:

- Always keep the sensor clean. Carefully wipe the sensor lens with a soft cloth. Be cautious not to damage the sensor lens.

- Do not remove any screws from the sensor. Doing so could cause an ACC system malfunction or failure and require a sensor realignment.
- If the sensor or front end of the vehicle is damaged due to a collision, see your authorized dealer for service.
- Do not attach or install any accessories near the sensor, including transparent material or aftermarket grilles. 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 obstruction, have the radar sensor realigned at your authorized dealer.
- Installing a snow plow, front-end protector, an aftermarket 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 also a chime will indicate 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 and fog on the inside of glass. In these cases, the Instrument Cluster Display will read “ACC/FCW Limited Functionality Clean Front Windshield” and the system will have degraded performance.

The “ACC/FCW Limited Functionality Clean Front Windshield” 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 rear view 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 obstruction, have the windshield and forward facing camera inspected at your authorized dealer.

Service ACC/FCW Warning

If the system turns off, and the Instrument Cluster Display reads “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 your authorized dealer.

Precautions While Driving With ACC

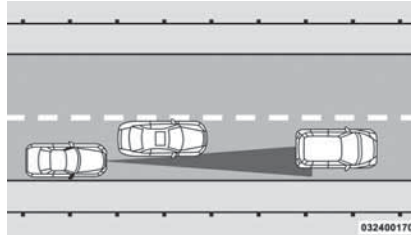
In certain driving situations, ACC may have detection issues. In these cases, ACC may brake late or unexpectedly. The driver needs to stay alert and may need to intervene.

Towing A Trailer

Towing a trailer is not advised when using ACC.

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.



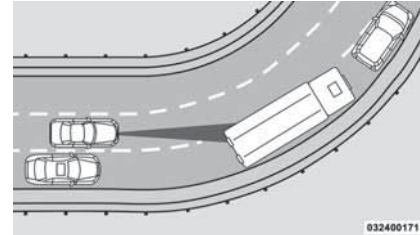
Offset Driving Condition Example

Turns And Bends

When driving on a curve with ACC engaged, the system may decrease the vehicle speed and acceleration for stability reasons, with no target vehicle 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.



Turn Or Bend Example

Using ACC On Hills

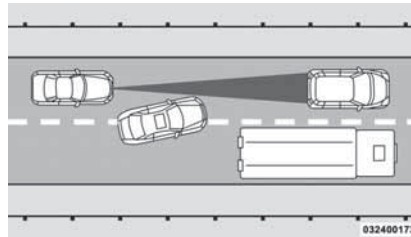
When driving on hills, ACC may not detect a vehicle in your lane. Depending on the speed, vehicle load, traffic conditions, and the steepness of the hills, ACC performance may be limited.



ACC Hill Example

Lane Changing

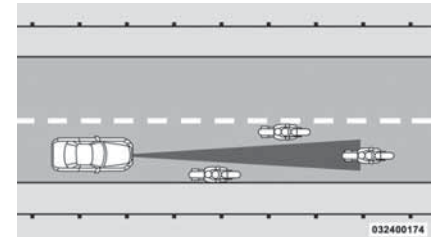
ACC may not detect a vehicle until it is completely in the lane in which you are traveling. In the illustration shown, ACC has not yet detected the vehicle changing lanes and it may not detect the vehicle until it's too late for the ACC system to take action. ACC may not detect a vehicle until it is 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

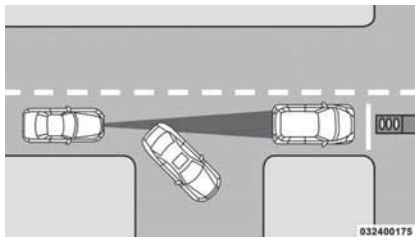
Some narrow vehicles traveling near the outer edges of the lane or edging into the lane are not detected until they have moved fully into the lane. There may not be sufficient distance to the vehicle ahead.



Narrow Vehicle Example

Stationary Objects And Vehicles

ACC does not react to stationary objects and stationary 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. Always be attentive and ready to apply the brakes if necessary.



**Stationary Object And Stationary Vehicle
Example**

Normal (Fixed Speed) Electronic Speed Control Mode

In addition to Adaptive Cruise Control mode, a Normal (Fixed Speed) Electronic Speed Control mode is available for cruising at fixed speeds. The Normal (Fixed Speed) Electronic Speed Control mode is designed to maintain a set cruising speed without requiring the driver to operate the accelerator. Electronic Speed Control can only be operated if the vehicle speed is above 19 mph (30 km/h).

To change between the different control modes, push the ADAPTIVE CRUISE CONTROL (ACC) ON/OFF button which turns the ACC and the NORMAL (Fixed Speed) ELECTRONIC SPEED CONTROL OFF. Pushing of the NORMAL (Fixed Speed) ELECTRONIC SPEED CONTROL ON/OFF button will result in turning ON (changing to) the Normal (Fixed Speed) Electronic Speed Control mode.

WARNING!

In the normal 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.

To Set A Desired Speed



Turn the Normal (Fixed Speed) Electronic Speed Control ON. When the vehicle has reached the desired speed, push the SET (+) or SET (-) button and release. Release the accelerator and the ve-

hicle will operate at the selected speed. Once a speed has been set a message (CRUISE CONTROL SET TO MPH/KM) will appear indicating what speed was set. This light will turn on when the electronic speed control is SET.

To Vary The Speed Setting To Increase Speed

When the Normal (Fixed Speed) Electronic Speed Control is set, you can increase speed by pushing the SET + button.

The drivers preferred units can be selected through the instrument panel settings if equipped. Refer to "Understanding Your Instrument Panel" for more information. The speed increment shown is dependant on the speed of U.S. (mph) or Metric (km/h) units:

U.S. Speed (mph)

- Pushing the SET + button once will result in a 1 mph increase in set speed. Each subsequent tap of the button results in an increase of 1 mph.
- If the button is continually pushed, the set speed will continue to increase in 5 mph increments until the button is released. The increase in set speed is reflected in the DID display.

Metric Speed (km/h)

- Pushing the SET + button once will result in a 1 km/h increase in set speed. Each subsequent tap of the button results in an increase of 1 km/h.
- If the button is continually pushed, the set speed will continue to increase in 10 km/h increments until the button is released. The increase in set speed is reflected in the DID display.

To Decrease Speed

When the Normal (Fixed Speed) Cruise Control is set, you can decrease speed by pushing the SET - button.

The drivers preferred units can be selected through the instrument panel settings if equipped. Refer to "Understanding Your Instrument Panel" for more information. The speed decrement shown is dependant on the speed of U.S. (mph) or Metric (km/h) units:

U.S. Speed (mph)

- Pushing the SET - button once will result in a 1 mph decrease in set speed. Each subsequent tap of the button results in a decrease of 1 mph.
- If the button is continually pushed, the set speed will continue to decrease in 5 mph decrements until the button is released. The decrease in set speed is reflected in the DID display.

Metric Speed (km/h)

- Pushing the SET - button once will result in a 1 km/h decrease in set speed. Each subsequent tap of the button results in a decrease of 1 km/h.
- If the button is continually pushed, the set speed will continue to decrease in 10 km/h decrements until the button is released. The decrease in set speed is reflected in the DID display.

To Cancel

The following conditions will cancel the Normal (Fixed Speed) Electronic Speed Control without clearing the memory:

- The brake pedal is applied.
- The CANCEL button is pushed.
- The Electronic Stability Control/Traction Control System (ESC/TCS) activates.
- The vehicle parking brake is applied.

- The braking temperature exceeds normal range (overheated).
- The gear selector is removed from the Drive position.

To Resume Speed

To resume a previously set speed, push the RES button and release. Resume can be used at any speed above 19 mph (30 km/h).

To Turn Off

The system will turn off and erase the set speed in memory if:

- The Normal (Fixed Speed) Electronic Speed Control ON/OFF button is pushed.
- The ignition is turned off.
- You engage Four-Wheel Drive Low.
- The Adaptive Cruise Control (ACC) On/Off button is pushed.

FORWARD COLLISION WARNING (FCW) WITH MITIGATION — IF EQUIPPED

Forward Collision Warning (FCW) With Mitigation Operation

The Forward Collision Warning (FCW) system with mitigation provides the driver with audible warnings, visual warnings (within the DID), 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 and may

provide a 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 Forward Collision Warning with Mitigation event begins at a speed below 26 mph (42 km/h), the system may provide the maximum or partial braking 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 a 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 1 mph (2 km/h).
- The FCW alerts may be triggered on objects other than vehicles such as guard rails 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 an ignition cycle, the Active Braking portion of FCW will be deactivated until the next ignition 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. If the vehicle enters 4WD Low Range or ESC Full-Off Mode is active, the FCW system will be automatically deactivated.

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

NOTE:

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 forward collision button is located in the Uconnect display in the controls settings.

To turn the FCW system OFF, press the forward collision button once to turn the system OFF.

To turn the FCW system back ON, press the forward collision button again to turn the system ON.

Changing the FCW status to “OFF” prevents the system from warning you of a possible collision with the vehicle in front of you.

NOTE:

The FCW system state is defaulted to ON from one ignition cycle to the next. If the system is turned OFF, it will reset to ON when the vehicle is restarted.

Changing FCW And Active Braking Status

The FCW Sensitivity And Active Braking Settings are programmable through the Uconnect System. Refer to “Uconnect Settings” in “Understanding Your Instrument Panel” for further information.

The default status of FCW is the “Medium” setting and the Active Braking is in the “On” setting. 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.

Changing the FCW status to “Far” setting allows the system to warn the driver of a possible collision with the vehicle in front using audible/visual warning when the latter is at a farther distance than “Medium” setting. This provides the most reaction time to avoid a possible collision.

Changing the FCW status to the “Near” setting, allows the system to warn the driver of a possible collision with the vehicle in front when the distance between the vehicle in the front is much closer. This setting provides less reaction

time than the “Far” and “Medium” settings, which allows for a more dynamic driving experience.

Changing the Active Braking status to “Off” prevents the system from providing autonomous braking, or additional brake support if the driver is not braking adequately in the event of a potential frontal collision.

NOTE:

- **The system will NOT retain the last setting selected by the driver after ignition shut down. The system will reset to “Medium” sensitivity with Active Braking “On” setting when the vehicle is restarted.**
- **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.**

FCW Limited Warning

If the DID 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 drivable 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 your authorized dealer.

Service FCW Warning

If the system turns off, and the DID 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.

PARKSENSE REAR PARK ASSIST — IF EQUIPPED

The ParkSense Rear Park Assist system provides visual and audible indications of the distance between the rear fascia and a detected obstacle when backing up, e.g. during a parking maneuver. If your vehicle is equipped with an Automatic Transmission, the vehicle brakes may be automatically applied and released when performing a reverse parking maneuver if the system detects a possible collision with an obstacle.

NOTE:

- The driver can override the automatic braking function by pressing the gas pedal, turning ParkSense off via ParkSense switch, or changing the gear while the automatic brakes are being applied.
- Automatic brakes will not be available if ESC is not available.
- Automatic brakes will not be available if there is a faulted condition detected with

the ParkSense Park Assist system or the Braking System Module.

- 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.

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 driver is always responsible for controlling the vehicle.
- The system is provided 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.

Refer to ParkSense System Usage Precautions for limitations of this system and recommendations.

ParkSense will retain the last system state (enabled or disabled) from the last ignition cycle when the ignition is changed to the ON/RUN position.

ParkSense can be active only when the gear selector is in REVERSE. If ParkSense is enabled at this gear selector position, the system will remain active until the vehicle speed is increased to approximately 7 mph (11 km/h) or above. When in REVERSE and above the system's operating speed, a warning will appear within the Driver Information Display (DID)

indicating the vehicle speed is too fast. The system will become active again if the vehicle speed is decreased to speeds less than approximately 6 mph (9 km/h).

ParkSense Sensors

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 sensors can detect obstacles from approximately 12 in (30 cm) up to 79 in (200 cm) from the rear fascia/bumper in the horizontal direction, depending on the location, type and orientation of the obstacle.

ParkSense Warning Display

The ParkSense Warning screen will only be displayed if Sound and Display is selected from the Customer - Programmable Features section of the Uconnect System. Refer to "Uconnect Settings" in "Understanding Your Instrument Panel" for further information.

The ParkSense Warning screen is located within the DID. It provides visual warnings to indicate the distance between the rear fascia/

bumper and the detected obstacle. Refer to "Driver Information Display (DID)" for further information.

ParkSense Display

When the vehicle is in REVERSE and an obstacle has been detected, the warning display will turn ON indicating the system status.



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Park Assist Ready

The system will indicate a detected obstacle by showing a single arc in the left and/or right rear regions based on the obstacle's distance and location relative to the vehicle.



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Single 1/2 Second Tone

If an obstacle is detected in the left and/or right rear region, the display will show a single arc in the left and/or right rear region and the system will produce a tone. 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 a single 1/2 second tone to slow, to fast, to continuous.



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Slow Tone



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Fast Tone



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Continuous Tone



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Slow Tone



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Fast Tone

The vehicle is close to the obstacle when the warning 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

Rear Distance (in/cm)	Greater than 79 in (200 cm)	79-59 in (150-100 cm)	59-47 in (150-120 cm)	47-39 in (120-100 cm)	39-25 in (100-65 cm)	25-12 in (65-30 cm)	Less than 12 in (30 cm)
Audible Alert Chime	None	Single 1/2 Second Tone	Slow	Slow	Fast	Fast	Continuous
Arcs-Left	None	None	None	None	None	2nd Flashing	1st Flashing
Arcs-Center	None	6th Solid	5th Solid	4th Solid	3rd Flashing	2nd Flashing	1st Flashing
Arcs-Right	None	None	None	None	None	2nd Flashing	1st Flashing
Radio Volume Reduced	No	Yes	Yes	Yes	Yes	Yes	Yes

NOTE:

ParkSense will reduce the volume of the radio, if on, when the system is sounding an audio tone.

Adjustable Chime Volume Settings

Rear chime volume settings can be selected from the Customer-Programmable Features section of the Uconnect System, refer to

“Uconnect Settings” in “Understanding Your Instrument Panel” for further information.

The chime volume settings include LOW, MEDIUM, and HIGH. The factory default volume setting is MEDIUM.

ParkSense will retain its last known configuration state through ignition cycles.

Enabling And Disabling ParkSense

ParkSense can be enabled and disabled with the ParkSense switch.



When the ParkSense switch is pushed to disable the system, the instrument cluster will display the “PARKSENSE OFF” message for approximately five seconds. Refer to “Driver Information Display (DID)” in “Under-

standing Your Instrument Panel" for further information. When the gear selector is moved to REVERSE and the system is disabled, the DID will display the "PARKSENSE OFF" message for as long as the vehicle is in REVERSE.

The ParkSense switch LED will be ON when ParkSense is disabled or requires service. The ParkSense switch LED will be OFF when the system is enabled. If the ParkSense switch is pushed, and the system requires service, the ParkSense switch LED will blink momentarily, and then the LED will be ON.

Service The ParkSense Rear Park Assist System

During vehicle start up, when the ParkSense Rear Park Assist System has detected a faulted condition, the Instrument Cluster Display will actuate a single chime, once per ignition cycle, and it will display the "PARKSENSE UNAVAILABLE WIPE REAR SENSORS" or the "PARKSENSE UNAVAILABLE SERVICE REQUIRED" message. Refer to "Instrument Cluster Display". When the gear selector is moved to REVERSE and the system has detected a faulted condition, the Instrument Cluster Dis-

play will display the "PARKSENSE UNAVAILABLE WIPE REAR SENSORS" or "PARKSENSE UNAVAILABLE SERVICE REQUIRED" message for as long as the vehicle is in REVERSE. Under this condition, ParkSense will not operate.

If "PARKSENSE UNAVAILABLE WIPE REAR SENSORS" appears in the Instrument Cluster Display make sure the outer surface and the underside of the rear fascia/bumper is clean and clear of snow, ice, mud, dirt or other obstruction and then cycle the ignition. If the message continues to appear, see an authorized dealer.

If "PARKSENSE UNAVAILABLE SERVICE REQUIRED" appears in the Instrument Cluster Display, see an 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. Otherwise, you could damage the sensors.

ParkSense System Usage Precautions

NOTE:

- Ensure that the rear bumper is 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 ParkSense OFF, the instrument cluster will display "PARKSENSE OFF" Furthermore, once you turn 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 ParkSense is turned OFF, the DID will display "PARKSENSE OFF" message 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 the fascia/bumper, or it could provide a false indication that an obstacle is behind the fascia/bumper.
- Use the ParkSense switch to turn the ParkSense system OFF if objects such as bicycle carriers, trailer hitches, etc. are placed within 12 in (30 cm) from the rear fascia/bumper. Failure to do so can result in the system misinterpreting a close object as a sensor problem, causing the “PARKSENSE UNAVAILABLE SERVICE REQUIRED” message to be displayed in the DID.
- ParkSense should be disabled when the liftgate is in the open position and the vehicle is in REVERSE. An open liftgate could provide a false indication that an obstacle is behind 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 is 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 when the loudspeaker sounds the continuous tone. Also, the sensors could detect the ball mount and hitch ball assembly, depending

(Continued)

WARNING! (Continued)

on its size and shape, giving a false indication that an obstacle is behind the vehicle.

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.
- 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 FRONT AND REAR PARK ASSIST — IF EQUIPPED

The ParkSense Park Assist system provides visual and audible indications of the distance between the rear and/or front fascia and a detected obstacle when backing up or moving forward, e.g. during a parking maneuver. If your vehicle is equipped with an Automatic Transmission, the vehicle brakes may be automatically applied and released when performing a reverse parking maneuver if the system detects a possible collision with an obstacle.

NOTE:

- **The driver can override the automatic braking function by pressing the gas pedal, turning ParkSense off via ParkSense switch, or changing the gear while the automatic brakes are being applied.**
- **Automatic brakes will not be available if ESC is not available.**

- **Automatic brakes will not be available if there is a faulted condition detected with the ParkSense Park Assist system or the Braking System Module.**
- **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 will not be available if vehicle is in 4LO transfer case mode.**
- **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.**

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 driver is always responsible for controlling the vehicle.**
- **The system is provided 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.**

Refer to ParkSense System Usage Precautions for limitations of this system and recommendations.

ParkSense will retain the last system state (enabled or disabled) from the last Ignition cycle when the ignition is changed to the ON/RUN position.

ParkSense can be active only when the gear selector is in REVERSE or DRIVE. If ParkSense is enabled at one of these gear selector positions, the system will remain active until the vehicle speed is increased to approximately 7 mph (11 km/h) or above. A display warning will appear in the Driver Information Display (DID) indicating the vehicle is above ParkSense operating speed. The system will become active again if the vehicle speed is decreased to speeds less than approximately 6 mph (9 km/h).

ParkSense Sensors

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 sensors can detect obstacles from approximately 12 in (30 cm) up to 79 in (200 cm) from the rear fascia/bumper in the horizontal direction, depending on the location, type and orientation of the obstacle.

The six ParkSense sensors, located in the front fascia/bumper, monitor the area in front of the vehicle that is within the sensors' field of view. The sensors can detect obstacles from approximately 12 in (30 cm) up to 47 in (120 cm) from the front fascia/bumper in the horizontal direction, depending on the location, type and orientation of the obstacle.

ParkSense Warning Display

The ParkSense Warning screen will only be displayed if Sound and Display is selected from the Customer - Programmable Features section of the Uconnect System. Refer to "Uconnect Settings" in "Understanding Your Instrument Panel" for further information.

The ParkSense Warning screen is located within the Driver Information Display (DID). It provides visual warnings to indicate the distance between the rear fascia/bumper and/or front fascia/bumper and the detected obstacle. Refer to "Driver Information Display (DID)" for further information.

ParkSense Display

When the vehicle is in REVERSE and an obstacle has been detected, the warning display will turn ON indicating the system status.



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Park Assist Ready

The system will indicate a detected obstacle by showing a single arc in the left and/or right rear regions based on the object's distance and location relative to the vehicle.

If an object is detected in the left and/or right rear region, the display will show a single arc in the left and/or right rear region and the system will produce a tone. As the vehicle moves closer to the object, the display will show the single arc moving closer to the vehicle and the tone will change from a single 1/2 second tone to slow, to fast, to continuous.



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Single 1/2 Second Tone



0327084046

Slow Tone



0327084048

Slow Tone For Rear Only



0327084050

Fast Tone For Rear Only



0327084054

Continuous Tone



0327084052

Fast Tone

The vehicle is close to the obstacle when the DID 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 (in/cm)	Greater than 79 in (200 cm)	79-59 in (150-100 cm)	59-47 in (150-120 cm)	47-39 in (120-100 cm)	39-25 in (100-65 cm)	25-12 in (65-30 cm)	Less than 12 in (30 cm)
Audible Alert Chime	None	Single 1/2 Second Tone	Slow	Slow	Fast	Fast	Continuous
Arcs-Left	None	None	None	None	None	2nd Flashing	1st Flashing
Arcs-Center	None	6th Solid	5th Solid	4th Solid	3rd Flashing	2nd Flashing	1st Flashing
Arcs-Right	None	None	None	None	None	2nd Flashing	1st Flashing
Radio Volume Reduced	No	Yes	Yes	Yes	Yes	Yes	Yes

WARNING ALERTS FOR FRONT					
Front Distance (in/cm)	Greater than 47 in (120 cm)	47-39 in (120-100 cm)	39-25 in (100-65 cm)	25-12 in (65-30 cm)	Less than 12 in (30 cm)
Audible Alert Chime	None	None	None	Fast	Continuous
Arcs-Left	None	None	None	2nd Flashing	1st Flashing
Arcs-Center	None	4th Solid	3rd Flashing	2nd Flashing	1st Flashing
Arcs-Right	None	None	None	2nd Flashing	1st Flashing
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.

Front Park Assist Audible Alerts

ParkSense will turn off the Front Park Assist audible alert (chime) after approximately 3 seconds when an obstacle has been detected, the vehicle is stationary, and brake pedal is applied.

Adjustable Chime Volume Settings

Front and Rear chime volume settings can be selected from the Uconnect System. Refer to "Uconnect Settings" in "Understanding Your Instrument Panel" for further information.

The chime volume settings include LOW, MEDIUM, and HIGH. The factory default volume setting is MEDIUM.

ParkSense will retain its last known configuration state through ignition cycles.

Enabling And Disabling ParkSense

ParkSense can be enabled and disabled with the ParkSense switch.



When the ParkSense switch is pushed to disable the system, the instrument cluster will display the "PARKSENSE OFF" message for approximately five seconds. Refer to "Driver Information Display (DID)" in "Understanding Your Instrument Panel" for further information. When the gear selector is moved to REVERSE and the system is disabled, the DID

will display the "PARKSENSE OFF" message for as long as the vehicle is in REVERSE.

The ParkSense switch LED will be ON when ParkSense is disabled or requires service. The ParkSense switch LED will be OFF when the system is enabled. If the ParkSense switch is pushed, and the system requires service, the 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 Driver Information Display (DID) will display a "PARKSENSE UNAVAILABLE WIPE REAR SENSORS", "PARKSENSE UNAVAILABLE

WIPE FRONT SENSORS" or "PARKSENSE UNAVAILABLE SERVICE REQUIRED" pop up message for five seconds. After five seconds, a vehicle graphic will be displayed with "UNAVAILABLE" at either the front or rear sensor location depending on where the fault is detected. The system will continue to provide arc alerts for the side that is functioning properly. These arc alerts will interrupt the "PARKSENSE UNAVAILABLE WIPE REAR SENSORS", "PARKSENSE UNAVAILABLE WIPE FRONT SENSORS", or "PARKSENSE UNAVAILABLE SERVICE REQUIRED" messages if an object is detected within the five second pop-up duration. The vehicle graphic will remain displayed for as long as the vehicle is in REVERSE. Refer to "Driver Information Display (DID)" for further information.

If "PARKSENSE UNAVAILABLE WIPE REAR SENSORS" or "PARKSENSE UNAVAILABLE WIPE FRONT SENSORS" appears in the Driver Information Display (DID) 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

obstruction and then cycle the ignition. If the message continues to appear see an authorized dealer.

If the "PARKSENSE UNAVAILABLE SERVICE REQUIRED" message appears in the DID, see an 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. Otherwise, you could damage the sensors.

ParkSense System Usage Precautions

NOTE:

- **Ensure that the front and rear bumper 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 ParkSense off, the instrument cluster will display “PARKSENSE OFF.” Furthermore, once you turn 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 ParkSense is turned off, the instrument cluster will display “PARKSENSE OFF” 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 objects such as bicycle carriers, trailer hitches, etc. are placed within 12 in (30 cm) from the rear fascia/bumper. Failure to do so can result in the system misinterpreting a close object as a sensor problem, causing the “PARKSENSE UNAVAILABLE SERVICE REQUIRED” message to be displayed in the instrument cluster.
- ParkSense should be disabled when the liftgate is in the open position. An opened liftgate could provide a false indication that an obstacle is behind 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

WARNING! (Continued)

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 is 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 when the loudspeaker sounds the continuous tone. Also, the sensors could detect the ball mount and hitch ball assembly, depending on its size and shape, giving a false indication that an obstacle is behind the vehicle.

(Continued)

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.
- 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.

PARKVIEW REAR BACK UP CAMERA — IF EQUIPPED

Your vehicle may be equipped with the ParkView Rear Back Up Camera that 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 on the rear of the vehicle above the rear License plate.

When the vehicle is shifted out of REVERSE (with camera delay turned OFF), the rear camera mode is exited and the navigation or audio screen appears again.

When the vehicle is shifted out of REVERSE (with camera delay turned ON), the rear view image with dynamic grid lines will be displayed for up to 10 seconds after shifting out of "REVERSE" unless the forward vehicle speed ex-

ceeds 8 mph (13 km/h), the transmission is shifted into "PARK" or the ignition is switched to the OFF position.

NOTE:

The ParkView Rear Back Up Camera has programmable modes of operation that may be selected through the Uconnect System. Refer to “Uconnect Settings” in “Understanding Your Instrument Panel” for further information.

When enabled, active guide lines are overlaid on the image to illustrate the width of the vehicle and its projected backup path based on the steering wheel position. A dashed center line 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:

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)

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.
- 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.

OVERHEAD CONSOLE

The overhead console contains courtesy/reading lights and storage for sunglasses. Power liftgate and power sunroof switches may also be included, if equipped.



Overhead Console

Front Map/Reading Lights — If Equipped

Lights are mounted in the overhead console. Each light can be turned on by pushing the switch on either side of the console. These buttons are backlit for night time visibility.



Front Map/Reading Lights

To turn the lights off, push the switch a second time. The lights also turn on when a door is opened. The lights will also turn on when the UNLOCK button on the RKE is pushed.



Front Map/Reading Light Switches

Courtesy Lights

The courtesy lights can be turned on by pushing the top corner of the lens. To turn the lights off, push the lens a second time.



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Courtesy Lights

Sunglasses Bin Door

At the front of the console a compartment is provided for the storage of a pair of sunglasses. The storage compartment access is a "push/push" design. Push the chrome pad on the door to open. Push the chrome pad on the door to close.



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Sunglasses Bin Door

COMMANDVIEW SUNROOF WITH POWER SHADE — IF EQUIPPED

The CommandView sunroof switch is located to the left between the sun visors on the overhead console.

The power shade switch is located to the right between the sun visors on the overhead console.



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CommandView Sunroof And Power Shade Switches

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 ignition of a vehicle equipped with Keyless Enter-N-Go in the ACC or ON/RUN mode. 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.

(Continued)

WARNING! (Continued)

- 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 Sunroof — Express

Push the switch rearward and release it within one-half second. The sunroof and sunshade will open automatically from any position. The sunroof and sunshade will open fully and stop automatically. This is called “Express Open.” During Express Open operation, any other actuation of the sunroof switch will stop the sunroof.

Opening Sunroof — Manual Mode

To open the sunroof, push and hold the switch rearward to full open. Any release of the switch will stop the movement. The sunroof and sunshade will remain in a partially opened condition until the sunroof switch is pushed again.

Closing Sunroof — Express

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. This is called “Express Close.” During Express Close operation, any other actuation of the switch will stop the sunroof.

Closing Sunroof — Manual Mode

To close the sunroof, push and hold the switch in the forward position. Any release of the switch will stop the movement and the sunroof will remain in a partially closed condition until the sunroof switch is pushed again.

Opening Power Shade — Express

Push the shade switch rearward and release it within one-half second and the shade will open automatically from any position. The shade will open and stop automatically at the half-open position. Push the shade switch rearward again and release it within one-half second and the shade will open automatically to the full-open position. This is called “Express Open”. During Express Open operation, any movement of the shade switch will stop the shade.

Opening Power Shade — Manual Mode

To open the shade, push and hold the switch rearward. The shade will open and stop automatically at the half-open position. Push and hold the shade switch rearward again and the shade will open automatically to the full-open position. Any release of the switch will stop the movement and the shade will remain in a partially opened condition until the switch is pushed again.

Closing Power Shade — Express

Push the switch forward and release it within one-half second and the shade will close automatically from any position. If the sunroof is completely closed the shade will close fully and stop automatically. This is called “Express Close”. During Express Close operation, any movement of the switch will stop the shade.

NOTE:

If the sunroof is open, the shade will close to the half-open position. Pushing the shade close button again will automatically close both the sunroof and shade completely.

Closing Power Shade — Manual Mode

To close the shade, push and hold the switch in the forward position. Any release of the switch will stop the movement and the shade will remain in a partially closed condition until the switch is pushed again.

Venting Sunroof — Express

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 is in the closed position when the vent switch is pushed, the sunshade will automatically cycle to the halfway open position prior to the sunroof opening to the Vent 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.

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.

Sunroof Maintenance

Use only a non-abrasive cleaner and a soft cloth to clean the glass panel.

Ignition Off Operation

NOTE:

- The power sunroof switch can remain active in Accessory Delay for up to approximately ten minutes after the vehicles ignition is placed to the Off position. Opening either front door will cancel this feature.
- This feature is programmable using the Uconnect System. Refer to “Uconnect Settings” in “Understanding Your Instrument Panel” for further information.

ELECTRICAL POWER OUTLETS

Your vehicle is equipped with 12 Volt (13 Amp) power outlets that can be used to power cellular phones, small electronics and other low powered electrical accessories. The power outlets are labeled with either a “key” or a “battery” symbol to indicate how the outlet is powered. Power outlets labeled with a “key” are powered when the ignition is in the ON or ACC position,

while the outlets labeled with a “battery” are connected directly to the battery and powered at all times.

NOTE:

- All accessories connected to the “battery” powered outlets should be removed or turned off when the vehicle is not in use to protect the battery against discharge.
- To ensure proper cigar lighter operation, a MOPAR knob and element must be used.

CAUTION!

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.

The front power outlet is located inside the storage area on the center stack of the instrument panel. Push inward on the storage lid to open the compartment and gain access to this power outlet.



Front Power Outlet

In addition to the front power outlet, there is also a power outlet located in the storage area of the center console.



Center Console Outlet

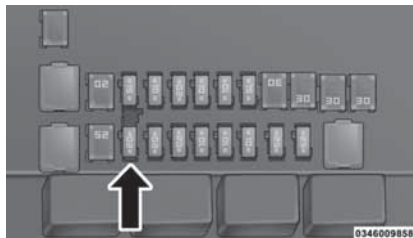
The rear power outlet is located in the right rear cargo area.



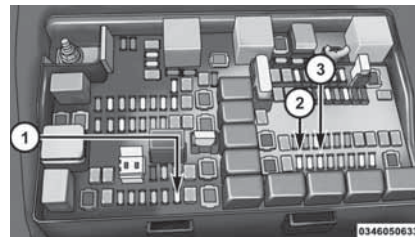
Rear Power Outlet

NOTE:

The rear power outlet can be switched from switched “ignition” only to constant “battery” powered all the time. See your local authorized dealer for details.



Power Outlet Right Rear Quarter Panel Fuse



Power Outlet Fuse Locations

- 1 — F104 Fuse 20 Amp Yellow Power Outlet Console Bin
- 2 — F90–F91 Fuse 20 Amp Yellow Power Outlet Right Rear Quarter Panel
- 3 — F93 Fuse 20 Amp Yellow Cigar Lighter Instrument Panel

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.
- 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.

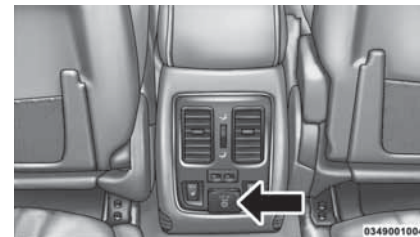
(Continued)

CAUTION! (Continued)

- Accessories that draw higher power (i.e., coolers, vacuum cleaners, lights, etc.) will degrade 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

There is a 115 Volt, 150 Watt inverter outlet located on the back of the center console to convert DC current to AC current. This outlet can power cellular phones, electronics and other low power devices requiring power up to 150 Watts. Certain high-end video games consoles will exceed this power limit, as will most new computers and power tools.



Power Inverter

The power inverter is designed with built-in overload protection. If the power rating of 150 Watts is exceeded, the power inverter will automatically shut down. Once the electrical device has been removed from the outlet the inverter should automatically reset. To avoid overloading the circuit, check the power ratings on electrical devices prior to using the inverter.

WARNING!

To avoid serious injury or death:

- Do not insert any objects into the receptacles.

(Continued)

WARNING! (Continued)

- 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.

CUPHOLDERS

There are two cupholders for the front seat passengers located in the center console.



Front Cupholders

There are two cupholders for the rear seat passengers located in the fold-down center armrest.



Rear Cupholders

STORAGE

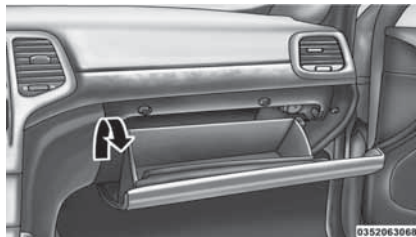
Glove Compartment

The glove compartment is located on the right side of the instrument panel.



Glove Compartment

To open the glove compartment, pull outward on the latch and lower the glove compartment door.



Opened Glove Compartment

Door Storage

Large storage areas are built into the door panels for easy access.



Door Panel Storage

Console Features

The center console contains both an upper and a lower storage area.



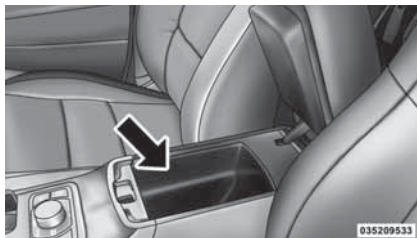
Storage Compartment

To open the upper storage compartment, pull upward on the small latch located on the lid.



Storage Compartment Latches

Lift upward on the larger of the latches to access the lower storage compartment.



Lower Storage Compartment

Your vehicle may have an optional CD or DVD player located in the center console.



Lower Storage Compartment CD/DVD Player — If Equipped

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.

CARGO AREA FEATURES

Rechargeable Flashlight

The rechargeable flashlight is mounted on the left side of the cargo area. The flashlight snaps out of the bezel when needed. The flashlight features two bright LED light bulbs and is powered by rechargeable lithium batteries that recharge when snapped back into place.

Push in on the flashlight to release it.



Push And Release

To operate the flashlight, push the switch once for high, twice for low, and a third time to return to off.



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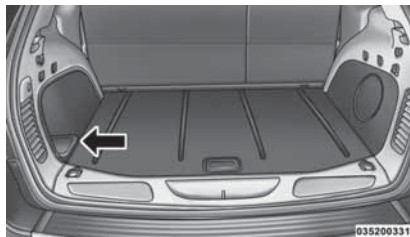
Three-Push Switch

Cargo Storage Bins

There are up to four removable storage bins located in the rear cargo area. There are two storage bins located on either side of the cargo area.

NOTE:

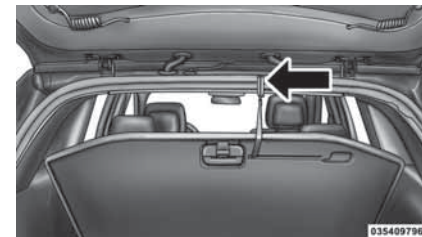
If your vehicle is equipped with a rear sub-woofer, the passenger side cargo area will not be available.



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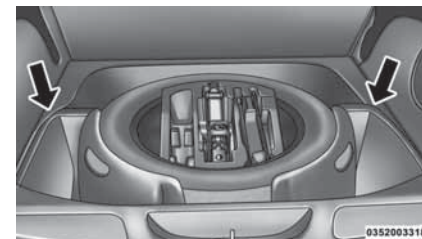
Rear Storage Bin

Two additional storage bins are located under the load floor. To access the lower storage bins, raise the load floor and attach the tether hook (attached to the bottom of the load floor) to the liftgate opening.



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Tether Strap



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Lower Storage Bins

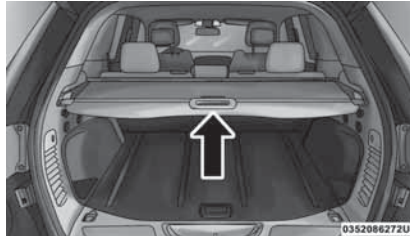
Retractable Cargo Area Cover — If Equipped

NOTE:

The purpose of this cover is for privacy, not to secure loads. It will not prevent cargo from shifting or protect passengers from loose cargo.

To cover the cargo area:

1. Grasp the cover at the center handle. Pull it over the cargo area.
2. Insert the pins on the ends of the cover into the slots in the pillar trim cover.
3. The liftgate may be opened with the cargo cover in place.



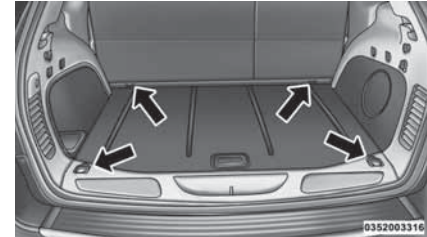
Rear Cargo Cover

WARNING!

In a collision, a loose cargo cover in the vehicle could cause injury. It could fly around in a sudden stop and strike someone in the vehicle. Do not store the cargo cover on the cargo floor or in the passenger compartment. Remove the cover from the vehicle when taken from its mounting. Do not store it in the vehicle.

Rear Cargo Tie-Downs

The rear cargo tie-downs, located on the cargo area floor, should be used to safely secure loads when the vehicle is moving.



Rear Cargo Tie-Downs

WARNING!

- To help protect against personal injury, passengers should not be seated in the rear cargo area. The rear cargo space is intended for load carrying purposes only, not for passengers, who should sit in seats and use seat belts.
- Cargo tie-down hooks are not safe anchors for a child seat tether strap. In a sudden stop or accident, a hook could pull loose and allow the child seat to come loose. A child could be badly injured. Use only the anchors provided for child seat tethers.

The weight and position of cargo and passengers can change the vehicle center of gravity and vehicle handling. To avoid loss of control resulting in personal injury, follow these guidelines for loading your vehicle:

- Do not carry loads which exceed the load limits described on the label attached to the left door or left door center pillar.

(Continued)

WARNING! (Continued)

- Always place cargo evenly on the cargo floor. Put heavier objects as low and as far forward as possible.
- Place as much cargo as possible in front of the rear axle. Too much weight or improperly placed weight over or behind the rear axle can cause the rear of the vehicle to sway.
- Do not pile luggage or cargo higher than the top of the seatback. This could impair visibility or become a dangerous projectile in a sudden stop or accident.

REAR WINDOW FEATURES

Rear Window Wiper/Washer

The rear wiper/washer controls are located on the multifunction lever on the left side of the steering column. The rear wiper/washer is operated by rotating a switch, located at the middle of the lever.



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Rear Wiper/Washer Control



Rotate the center portion of the lever upward to the first detent for intermittent operation and to the second detent for continuous rear wiper operation.



Rotating the center portion upward once more will activate the washer pump which will continue to operate as long as the switch is held. Upon release of the switch, the wipers will resume the continuous rear wiper operation. When this rotary control is in the OFF position, rotating it downward will activate the rear washer pump which will continue to operate as long as the switch is held. Once the switch is released it will return to the

OFF position and the wipers will cycle several times before returning to the parked position.

NOTE:

As a protective measure, the pump will stop if the switch is held for more than 20 seconds. Once the switch is released the pump will resume normal operation.

If the rear wiper is operating when the ignition is turned OFF, the wiper will automatically return to the “park” position.

Rear Window Defroster



The rear window defroster button is located on the climate control panel. Push this button to turn on the rear window defroster and the heated outside mirrors (if equipped). An indicator in the button will illuminate when the rear window defroster is on. The rear window defroster automatically turns off after approximately 10 minutes. For an additional five minutes of operation, push the button a second time.

NOTE:

To prevent excessive battery drain, use the rear window defroster only when the engine is operating.

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.

ROOF LUGGAGE RACK — IF EQUIPPED

The crossbars and siderails are designed to carry the weight on vehicles equipped with a luggage rack. The load must not exceed 150 lbs (68 kg), and should be uniformly distributed over the luggage rack crossbars.

NOTE:

If not equipped with crossbars, your authorized dealer can order and install MOPAR crossbars built specifically for this roof rack system.

Distribute cargo weight evenly on the roof rack crossbars. The roof rack does not increase the total load carrying capacity of the vehicle. Be sure the total load of cargo inside the vehicle plus that on the external rack does not exceed the maximum vehicle load capacity.

To move the crossbars, loosen the attachments, located at the upper edge of each crossbar, approximately eight turns using the anti-theft wrench provided with the MOPAR crossbars. Then, move the crossbar to the desired position, keeping the crossbars parallel to the rack

frame. Once the crossbar is in the desired position, retighten the with the wrench to lock the crossbar into position.

NOTE:

- To help control wind noise when the crossbars are not in use, place the front and rear crossbars approximately 24 in (61 cm) apart. Optimal noise reduction can then be achieved by adjusting the front crossbar forward or aft using increments of 1 in (2.5 cm).
- If (or any metallic object) is placed over the satellite radio antenna (if equipped), you may experience interruption of satellite radio reception. For improved satellite radio reception, avoid placing the rear crossbar over the satellite radio antenna.

WARNING!

Cargo must be securely tied before driving your vehicle. Improperly secured loads can fly off the vehicle, particularly at high speeds, resulting in personal injury or property damage. Follow the roof rack cautions when carrying cargo on your roof rack.

CAUTION!

- To prevent damage to the roof of your vehicle, do not carry any loads on the roof rack without the crossbars installed. The load should be secured and placed on top of the crossbars, not directly on the roof. If it is necessary to place the load on the roof, place a blanket or some other protection between the load and the roof surface.

(Continued)

CAUTION! (Continued)

- To avoid damage to the roof rack and vehicle, do not exceed the maximum roof rack load capacity of 150 lb (68 kg). Always distribute heavy loads as evenly as possible and secure the load appropriately.
- Long loads which extend over the windshield, such as wood panels or surfboards, or loads with large frontal area should be secured to both the front and rear of the vehicle.
- Travel at reduced speeds and turn corners carefully when carrying large or heavy loads on the roof rack. Wind forces, due to natural causes or nearby truck traffic, can add sudden upward lift to a load. This is especially true on large flat loads and may result in damage to the cargo or your vehicle.

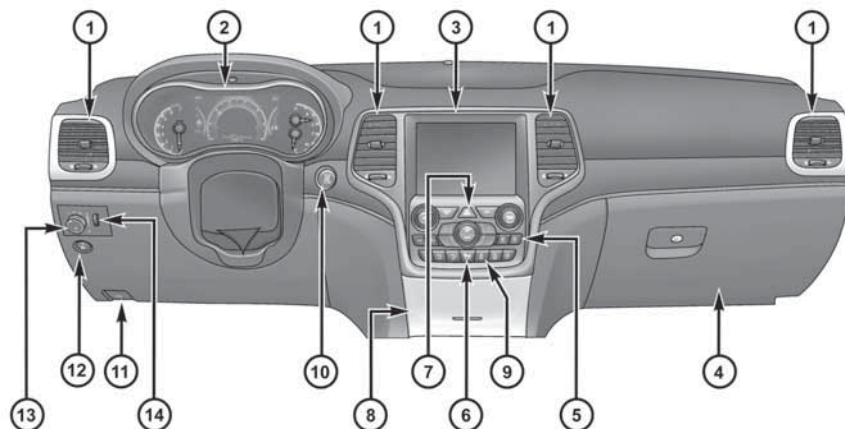
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INSTRUMENT PANEL FEATURES



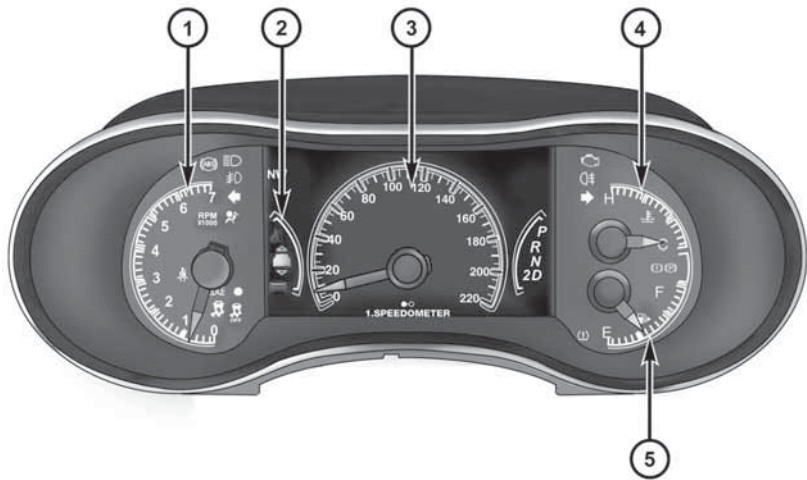
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- 1 — Air Outlet
- 2 — Instrument Cluster
- 3 — Radio
- 4 — Glove/Storage Compartment
- 5 — Climate Controls

- 6 — Lower Switch Bank
- 7 — Hazard Switch
- 8 — Storage Bin (SD Card, AUX, USB Media Hub)
- 9 — ESC Button
- 10 — Keyless Push Button Ignition

- 11 — Hood Release
- 12 — Fuel Door Release
- 13 — Headlight Switch
- 14 — Dimmer Control

INSTRUMENT CLUSTER



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Instrument Cluster

1. Tachometer

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

2. Driver Information Display (DID)

- The Driver Information Display (DID) features a driver-interactive display. Refer to "Driver Information Display (DID)" in "Understanding Your Instrument Panel" for further information.

3. Speedometer

- Indicates vehicle speed

4. Temperature Gauge

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

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.

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. If you decide to look under the hood yourself, see "Maintaining Your Vehicle". Follow the warnings under the Cooling System Pressure Cap paragraph.

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.

WARNING AND INDICATOR LIGHTS

IMPORTANT: The warning / indicator lights switch on 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 Telltale Indicator Lights

Seat Belt Reminder Warning Light

Red Telltale Light	What It Means
	Seat Belt Reminder Warning Light When the ignition is first placed in the ON/RUN, this light will turn on for four to eight seconds as a bulb check. During the bulb check, if the driver's seat belt is unbuckled, a chime will sound. After the bulb check or when driving, if the driver's seat belt remains unbuckled, the Seat Belt Reminder Light will flash or remain on continuously and a chime will sound. Refer to "Occupant Restraints" in "Things To Know Before Starting Your Vehicle" for further information.

Air Bag Warning Light

Red Telltale Light	What It Means
	Air Bag Warning Light This light will turn on for four to eight seconds as a bulb check when the ignition is placed in the ON/RUN position. 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. This light will illuminate with a single chime when a fault with the Air Bag Warning Light has been detected, it will stay on until the fault is cleared. If the light comes on intermittently or remains on while driving, have an authorized dealer service the vehicle immediately.

Brake Warning Light

Red Telltale Light	What It Means
	Brake Warning Light This 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 reservoir. 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 two 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.

Vehicle Security Warning Light — If Equipped

Red Telltale Light	What It Means
	Vehicle Security Warning Light — If Equipped This light will flash at a fast rate for approximately 15 seconds when the vehicle security alarm is arming, and then will flash slowly until the vehicle is disarmed.

Oil Pressure Warning Light

Red Telltale Light	What It Means
	Oil Pressure Warning Light This light indicates low engine oil pressure. If the light turns on while driving, stop the vehicle and shut off the engine as soon as possible. A chime will sound when this light turns on. 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.

Engine Temperature Warning Light

Red Warning Light	What It Means
	Engine Temperature Warning Light This light warns of an overheated engine condition. As engine coolant temperatures rise and the gauge approaches H , this indicator will illuminate and a single chime will sound after reaching a set threshold. Further overheating will cause a continuous chime sound for 4 minutes, or until the engine is allowed to cool, whichever comes first. If the light turns on while driving, safely pull over and stop the vehicle. If the A/C system is on, turn it off. Also, shift the transmission into NEUTRAL and idle the vehicle. If the temperature reading does not return to normal, turn the engine off immediately and call for service. Refer to "If Your Engine Overheats" in "What To Do In Emergencies" for further information.

Oil Temperature Warning Light

Red Telltale Light	What It Means
	Oil Temperature Warning Light This telltale indicates engine oil temperature is high. If the light turns on while driving, stop the vehicle and shut off the engine as soon as possible.

Battery Charge Warning Light

Red Telltale Light	What It Means
	Battery Charge Warning Light This light illuminates 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 your authorized dealer as soon as possible. This indicates a possible problem with the electrical system or a related component. If jump starting is required, refer to “Jump Starting Procedures” in “What To Do In Emergencies.”

Electronic Throttle Control (ETC) Warning Light

Red Telltale Light	What It Means
	Electronic Throttle Control (ETC) Warning Light This light informs you of a problem with the Electronic Throttle Control (ETC) system. If a problem is detected while the engine is running, the light will either stay on or flash depending on the nature of the problem. Cycle the ignition key 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 engine running, your vehicle will usually be drivable; however, see an authorized dealer for service as soon as possible. If the light continues to flash when the engine 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 first turned to ON/RUN 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.

Electric Power Steering Fail Warning — If Equipped

Red Telltale Light	What It Means
	Electric Power Steering Fail Warning — If Equipped This light is used to manage the electrical warning of the EPS (Power Steering System). Refer to “Power Steering” in “Starting And Operating” for further information.

Door Open Warning Light

Red Telltale Light	What It Means
	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.

Liftgate Open Warning Light

Red Telltale Light	What It Means
	Liftgate Open Warning Light This indicator will turn on when the liftgate is open. NOTE: If the vehicle is moving, there will also be a single chime.

Speed Limit Warning Light — If Equipped

Red Warning Light	What It Means
	Speed Limit Warning Light If the vehicle speed is greater than or equal to 120 km/h, the Speed Warning telltale will display in the DID, and a chime will sound with a pop up warning message.

Transmission Temperature Warning Light

Red Telltale Light	What It Means
	Transmission Temperature Warning Light This light indicates that the transmission fluid temperature is running hot. This may occur with severe usage. If this light turns on, safely pull over and stop the vehicle. Then, place the transmission into NEUTRAL and run the engine at idle speed or apply light foot pressure to increase the engine speed RPM until the Transmission Temperature light turns off.

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.

Hood Open Warning Light

Red Telltale Light	What It Means
	Hood Open Warning Light This indicator will illuminate when the hood is ajar/open and not fully closed. NOTE: If the vehicle is moving, a single chime will sound.

Yellow Telltale Indicator Lights

Rear Fog Light Indicator — If Equipped

Yellow Telltale Light	What It Means
	Rear Fog Light Indicator This indicator will illuminate when the rear fog lights are on.

Engine Check/Malfunction Indicator Light (MIL)

Yellow Telltale Light	What It Means
	Engine Check/Malfunction Indicator Light (MIL) The Engine Check/Malfunction Indicator Light (MIL) is a part of an Onboard Diagnostic System called OBD II that monitors engine and automatic transmission control systems. The light will illuminate when the ignition is in the ON position before engine start. If the bulb does not come on when turning the key 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 as soon as possible if this occurs.

WARNING!

A malfunctioning catalytic converter, as referenced above, 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 engine 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.

Electronic Stability Control (ESC) Indicator Light — If Equipped

Yellow Telltale Light	What It Means
	Electronic Stability Control (ESC) Indicator Light — If Equipped The “ESC Indicator Light” in the instrument cluster will come on when the ignition is placed in the 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 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 your 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 position. • Each time the ignition is turned to ON/RUN, 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. • This light will come on when the vehicle is in an ESC event.

Electronic Stability Control (ESC) OFF Indicator Light — If Equipped

Yellow Telltale Light	What It Means
	Electronic Stability Control (ESC) OFF Indicator Light — If Equipped This light indicates the Electronic Stability Control (ESC) is off.

Tire Pressure Monitoring Indicator Light

Yellow Telltale Light	What It Means
	Tire Pressure Monitoring Indicator 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 mentioned above, the display will show the indications corresponding to each tire in sequence.

IMPORTANT: Do not continue driving with one or more flat tires as handling may be compromised. Stop the vehicle, avoiding sharp braking and steering. Repair immediately using the dedicated tire repair kit and contact your authorized dealership 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 Tire Pressure Monitoring System (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated. 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 under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation 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 under-inflation 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,

(Continued)

CAUTION! (Continued)

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.

Anti-Lock Brake (ABS) Indicator Light

Yellow Telltale Light	What It Means
	Anti-Lock Brake (ABS) Indicator Light This light monitors the Anti-Lock Brake System (ABS). The light will turn on when the ignition is placed in the 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. However, the conventional brake system will continue to operate normally if the brake warning light is not on. If the ABS light is on, the brake system should be serviced as soon as possible to restore the benefits of Anti-Lock Brakes. If the ABS light does not turn on when the ignition is placed in the ON/RUN position, have the light inspected by an authorized dealer.

Low Fuel Indicator Light

Yellow Telltale Light	What It Means
	Low Fuel Indicator Light When the fuel level reaches approximately 1.5 gal (5.8 L) this light will turn on, and remain on until fuel is added.

Service Stop/Start System Indicator Light — If Equipped

Yellow Telltale Light	What It Means
	Service Stop/Start System Indicator Light — If Equipped This telltale will turn on to indicate the Stop/Start system is not functioning properly and service is required.

Service Forward Collision Warning Fault Indicator Light — If Equipped

Yellow Telltale Light	What It Means
	Service Forward Collision Warning Fault Indicator Light — If Equipped This telltale will turn on to indicate a fault in the Forward Collision Warning System. Contact your local authorized dealer for service.

Forward Collision Warning Off Indicator Light — If Equipped

Yellow Telltale Light	What It Means
	Forward Collision Warning Off Indicator Light — If Equipped This light indicates the Forward Collision Warning is off.

Low Washer Fluid Indicator Light — If Equipped

Yellow Telltale Light	What It Means
	Low Washer Fluid Indicator Light — If Equipped This indicator will illuminate when the windshield washer fluid is low.

Adaptive Cruise Control Fault Indicator Light — If Equipped

Yellow Telltale Light	What It Means
	Adaptive Cruise Control Fault Indicator Light This light will turn on when the ACC is not operating and needs service. For further information, refer to “Adaptive Cruise Control (ACC)” in “Understanding The Features Of Your Vehicle.”

Service 4WD Indicator Light — If Equipped

Yellow Telltale Light	What It Means
	Service 4WD Indicator Light 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 service center and have the vehicle serviced immediately.

4WD Low Indicator Light — If Equipped

Yellow Telltale Light	What It Means
	4WD Low Indicator Light This light alerts the driver that the vehicle is in the four-wheel drive 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. Refer to “Four-Wheel Drive Operation — If Equipped” in “Starting And Operating” for further information on four-wheel drive operation and proper use.

Air Suspension Light — If Equipped

Yellow Telltale Light	What It Means
	Air Suspension Light This light will illuminate when the air suspension system is actively adjusting the ride height.

Green Telltale Indicator Lights

Park/Headlight ON Indicator Light

Green Telltale Light	What It Means
	Park/Headlight ON Indicator Light This indicator will illuminate when the park lights or headlights are turned on.

Front Fog Indicator Light — If Equipped

Green Telltale Light	What It Means
	Front Fog Indicator Light — If Equipped This indicator will illuminate when the front fog lights are on.

Turn Signal Indicator Lights

Green Telltale Light	What It Means
	Turn Signal Indicator Lights The instrument cluster directional arrow will flash independently for the LEFT or RIGHT turn signal as selected, as well as the exterior turn signal lamp(s) (front and rear) as selected 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.

Stop/Start Active Indicator Light — If Equipped

Green Telltale Light	What It Means
	Stop/Start Active Indicator Light — If Equipped This telltale will illuminate when the Stop/Start function is in “Autostop” mode.

Cruise Control Engaged Indicator Light — If Equipped

Green Telltale Light	What It Means
	Cruise Control Engaged Indicator Light This light will turn on when the cruise control has been set to a certain speed.

Adaptive Cruise Control (ACC) Set Without Target Light — If Equipped

Green Telltale Light	What It Means
	Adaptive Cruise Control (ACC) Set Without Target Light This will display the distance setting for the ACC system when the system is engaged. Refer to “Adaptive Cruise Control (ACC)” in “Understanding The Features Of Your Vehicle” for further information.

Adaptive Cruise Control (ACC) Set With Target Light — If Equipped

Green Telltale Light	What It Means
	Adaptive Cruise Control (ACC) Set With Target Light This will display when the ACC is set and a target vehicle is detected. Refer to “Adaptive Cruise Control (ACC)” in “Understanding The Features Of Your Vehicle” for further information.

Sport Mode Indicator Light

Green Telltale Light	What It Means
	Sport Mode Indicator Light This light will turn on when Sport Mode is active.

Blue Telltale Indicator Lights

High Beam Indicator Light

Blue Telltale Light	What It Means
	High Beam Indicator Light This indicator shows that the high beam headlights are on. Push the multifunction control lever away from you to switch the headlights to high beam. Pull the lever toward you to switch the headlights back to low beam. Pull the lever toward you for a temporary high beam on, "flash to pass" scenario.

White Telltale Indicator Lights

Cruise Control ON Indicator Light

White Telltale Light	What It Means
	Cruise Control ON Indicator Light This light will turn on when the electronic speed control is ON, but not set.

Adaptive Cruise Control (ACC) On Light — If Equipped

White Telltale Light	What It Means
	Adaptive Cruise Control (ACC) On Light — If Equipped This light will turn on when the Adaptive Cruise Control is ON, but not set. Refer to “Adaptive Cruise Control (ACC)” in “Understanding The Features Of Your Vehicle” for further information.

Hill Decent Control (HDC) Indicator Light — If Equipped

White Telltale Light	What It Means
	Hill Decent Control (HDC) Indicator Light This indicator shows when the Hill Decent Control (HDC) feature is turned on. The lamp will be on solid when HDC is armed. HDC can only be armed when the transfer case is in the “4WD LOW” position and the vehicle speed is less than 30 mph (48 km/h). If these conditions are not met while attempting to use the HDC feature, the HDC indicator light will flash on/off.

Selec Speed Control Indicator Light — If Equipped

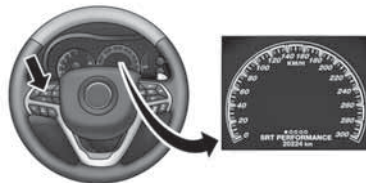
White Telltale Light	What It Means
	Selec Speed Control Indicator Light This light will turn on when “Selec Speed Control” is activated. To activate “Selec Speed Control”, assure the vehicle is Four Wheel Drive Low (4WD) and push the button on the Instrument Panel. NOTE: If the vehicle is not in 4WD Low, “To Enter Selec-Speed Shift to 4WD Low” will appear in the EVIC or DID.

Speed Warning Light — If Equipped

White Telltale Light	What It Means
	Speed Warning Light Each time the set speed is exceeded, an audible chime will sound for up to 10 seconds or until the speed is no longer exceeded, the telltale will change from white to yellow (on color displays), the telltale will flash in sync with the chime, and a pop up message of "Speed Warning Exceeded" occurs in the DID screen. NOTE: The vehicle user can select the desired speed at which to be notified. NOTE: The number "120" is only an example of a speed that can be set.

DRIVER INFORMATION DISPLAY (DID)

The Driver Information Display (DID) features a driver-interactive display that is located in the instrument cluster.



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Driver Information Display (DID) Location

The DID Menu items consists of the following:

- Speedometer Main Gauge
- Vehicle Info
- Terrain — If Equipped
- Driver Assist — If Equipped
- Fuel Economy
- Trip
- Stop/Start — If Equipped
- Audio

- Stored Messages
- Screen Setup
- Speed Warning — If Equipped

The system allows the driver to select information by pushing the following buttons mounted on the steering wheel:



DID Buttons

- **UP Arrow Button**



Push and release the **UP** arrow button to scroll upward through the main menu and submenus.

- **DOWN Arrow Button**



Push and release the **DOWN** arrow button to scroll downward through the main menu and submenus.

- **RIGHT Arrow Button**



Push and release the **RIGHT** arrow button to access the information screens or submenu screens of a main menu item.

- **LEFT Arrow Button**



Push and release the **LEFT** arrow button to access the information screens or submenu screens of a main menu item.

- **OK Button**

The **OK** button may be used for the following:
Selection
Reset (hold)
Clearing (push)

DID Displays

The DID displays are located in the center portion of the cluster and consist of multiple sections:

- **Main Screen** — The inner ring of the display will illuminate in grey under normal conditions, yellow for non critical warnings, red for critical warnings, and white for on demand information.
- **Sub-menu Dots**— Whenever there are submenus available, the position within the submenus is shown here.
- **Reconfigurable Telltales/Information**
- **Gear Selector Status (PRNDL)**
- **Selectable Information** (Compass, Temp, Range to Empty, Trip A, Trip B, Average Fuel Economy, Current Fuel Economy)
- **Air Suspension Status** — If Equipped
- **4WD Status** — If Equipped

The main display area will normally display the main menu or the screens of a selected feature of the main menu. The main display area also displays “pop up” messages that consist of

approximately 60 possible warning or information messages. These pop up messages fall into several categories:

- **Five Second Stored Messages**

When the appropriate conditions occur, this type of message takes control of the main display area for five seconds and then returns to the previous screen. Most of the messages of this type are then stored (as long as the condition that activated it remains active) and can be reviewed from the “Messages” main menu item. Examples of this message type are “Right Front Turn Signal Lamp Out” and “Low Tire Pressure.”

- **Unstored Messages**

This message type is displayed indefinitely or until the condition that activated the message is cleared. Examples of this message type are “Turn Signal On” (if a turn signal is left on) and “Lights On” (if driver leaves the vehicle).

- **Unstored Messages Until RUN**

These messages deal primarily with the Remote Start feature. This message type is displayed until the ignition is in the RUN state.

- **Five Second Unstored Messages**

When the appropriate conditions occur, this type of message takes control of the main display area for five seconds and then returns to the previous screen. An example of this message type is “Automatic High Beams On.”

Gear Shift Indicator (GSI) — If Equipped

The Gear Shift Indicator (GSI) system is enabled on vehicles with Paddle Shift Mode or Shifter Manual Gate Mode. The GSI provides the driver with a visual indication within the DID when the recommended gear shift point has been reached. This indication notifies the driver that changing gears will allow a reduction in fuel consumption. When the shift up indicator is shown on the display, the GSI is advising the driver to engage a higher gear. When the shift down indicator is shown on the display, the GSI is advising the driver to engage a lower gear.

The GSI indicator in the DID remains illuminated until the driver changes gear, or the driving conditions return to a situation where changing gear is not required to improve fuel consumption.



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GSI Down Shift



0409091062US

GSI Up Shift

Engine Oil Life Reset Oil Change Required

Your vehicle is equipped with an engine oil change indicator system. The "Oil Change Required" message will display in the DID 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 cycle the ignition to the ON/RUN position. To turn off the message temporarily, push and release the **OK** button. To reset the oil change indicator system (after performing the scheduled maintenance), refer to the following procedure.

Oil Change Reset Procedure

1. Without pushing the brake pedal, push and release the ENGINE START/STOP button and place the ignition to the ON/RUN position (do not start the engine).

2. Fully push the accelerator pedal, slowly, three times within 10 seconds.
3. Without pushing the brake pedal, push and release the ENGINE START/STOP button once to return the ignition to the OFF/LOCK position.

NOTE:

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

Secondary Method For Oil Change Reset

1. Without pushing the brake pedal, push and release the ENGINE START/STOP button and place the ignition to the ON/RUN position (do not start the engine).
2. Navigate to "Oil Life" submenu in "Vehicle Info" in the DID.
3. Push and Hold the **OK** button until the gauge resets to 100%.

DID Messages

Includes the following, but not limited to:

- Front Seatbelts Unbuckled
- Driver Seat Belt Unbuckled
- Passenger Seat Belt Unbuckled
- Traction Control Off
- Washer Fluid Low
- Oil Pressure Low
- Oil Change Due
- Fuel Low
- Service Anti-lock Brake System
- Service Electronic Throttle Control
- Service Power Steering
- Cruise Off
- Cruise Ready
- ACC Override
- Cruise Set To XXX MPH
- Tire Pressure Screen With Low Tire(s) "Inflate Tire to XX"

- Service Tire Pressure System
- Speed Warning Set to XXX MPH
- Speed Warning Exceeded
- Parking Brake Engaged
- Brake Fluid Low
- Service Electronic Braking System
- Engine Temperature Hot
- Lights On
- Right Front Turn Signal Light Out
- Right Rear Turn Signal Light Out
- Left Front Turn Signal Light Out
- Left Rear Turn Signal Light Out
- Ignition or Accessory On
- Vehicle Not In Park
- Remote Start Active Push Start Button
- Remote Start Canceled Fuel Low
- Remote Start Canceled Too Cold
- Remote Start Canceled Door Open

- Remote Start Canceled Hood Open
- Remote Start Canceled Liftgate Open
- Remote Start Canceled Time Expired
- Remote Start Disabled Start To Reset
- Service Air Bag System
- Service Air Bag Warning Light
- Door Open
- Doors Open
- Liftgate Open
- Hood Open
- Shift Not Allowed
- Vehicle Speed Too High To Shift to D
- Vehicle Speed is Too High to Shift to R
- Vehicle Speed is Too High to Shift to P
- Service Transmission
- Service Shifter
- Service Air Suspension System

- Normal Ride Height Achieved
- Aerodynamic Ride Height Achieved
- Off Road 1 Ride Height Achieved
- Off Road 2 Ride Height Achieved
- Entry/Exit Ride Height Achieved
- Selected Ride Height Not Permitted
- Service Air Suspension System Immediately
- Reduce Speed To Maintain Selected Ride Height
- Air Suspension System Cooling Down Please Wait
- Vehicle Cannot Be Lowered Door Open
- Air Suspension Temporarily Disabled
- Battery Low Start Engine To Change Ride Height

The Reconfigurable Telltales section is divided into the white or green telltales area on the right, and the amber or red telltales area on the left.

DID Selectable Menu Items

Push and release the **UP**  or **DOWN**  arrow buttons until the desired Selectable Menu icon/title is highlighted in the DID.

Speedometer



Analog



Digital

Push and release the **UP**  or **DOWN**  arrow button until the Speedometer icon is highlighted in the DID. Push and release the **LEFT**  or **RIGHT**  arrow button to select the analog or digital type of speedometer display. Push and release the **OK** button to toggle units (mph or km/h) of the speedometer.

Vehicle Info (Customer Information Features)



Push and release the **UP**  or **DOWN**  arrow button until the Vehicle Info icon/title is highlighted in the DID. Push and release the **LEFT**  or **RIGHT**  arrow button to scroll through the information submenus and push and release the **OK** button to select or reset the resettable submenus:

Tire Pressure

Transmission Temperature

Oil Temperature

Oil Pressure

Oil Life

Battery Voltage

Selec-Terrain — If Equipped



Push and release the **UP**  or **DOWN**  arrow button until the Terrain display icon/title is highlighted in the DID. Push and release the **RIGHT**  or **LEFT**  arrow button to display the Selec-Terrain, Air Suspension, Drive-

train, and Wheel Articulation.

Driver Assist — If Equipped



Push and release the **UP**  or **DOWN**  arrow button until the Driver Assist display icon/title is highlighted in the DID. For further information, refer to "Adaptive Cruise Control (ACC) — If Equipped" in "Understanding The Features Of Your Vehicle."

Fuel Economy



Push and release the **UP** Δ or **DOWN** ∇ arrow button until the Fuel Economy Menu icon/title is highlighted. Push and hold the **OK** button to reset feature. Push the **LEFT** $\triangleleft$ or **RIGHT** $\triangleright$ arrow button to select the different Fuel Economy sections. The Fuel Economy screen may be on the same screen as the Current Fuel Economy.

- Current MPG, L/100 km, or km/L
- Average MPG, L/100 km, or km/L
- Range To Empty

Trip



Push and release the **UP** Δ or **DOWN** ∇ arrow button until the Trip icon/title is highlighted in the DID, then push and release the **LEFT** $\triangleleft$ or **RIGHT** $\triangleright$ arrow button to select Trip A or Trip B.

The Trip A and Trip B information will display the following:

- Distance
- Average Fuel Economy
- Elapsed Time

Hold the **OK** button to reset all the information.

Stop/Start — If Equipped



Push and release the **UP** Δ or **DOWN** ∇ arrow button until the Stop/Start icon/title is highlighted in the DID. The screen will display the Stop/Start status.

Audio



Push and release the **UP** Δ or **DOWN** ∇ arrow button until the Audio Menu icon/title is highlighted in the DID.

Stored Messages

Push and release the **UP** Δ or **DOWN** ∇ arrow button until the Messages Menu icon/title is highlighted in the DID. This feature shows the number of stored warning messages. Pushing the **RIGHT** $\triangleright$ arrow button will allow you to see what the stored messages are.



Screen Setup



Push and release the **UP** Δ or **DOWN** ∇ arrow button until the Screen Setup Menu icon/title is highlighted in the DID. Push and release the **OK** button to enter the submenus and follow the prompts on the screen as needed. The Screen Setup feature allows you to change what information is displayed in the instrument cluster as well as the location that information is displayed.

Speed Warning — If Equipped



Push and release the **UP** Δ or **DOWN** ∇ arrow button until the Speed Warning Menu icon/title is highlighted in the DID. Push and release the **OK** button to enter speed warning. Use the **UP** Δ or

DOWN ∇ arrow button to select a desired speed, then push and release the **OK** button to set the speed. The Speed Warning telltale will display in the DID, and a chime will sound with a pop up warning message when the set speed is exceeded.

Screen Setup Driver Selectable Items

Gear Display

- Full (default setting)
- Single

Upper Left

- None
- Compass (default setting)
- Outside Temp

- Time
- Range
- Fuel Economy Average
- Fuel Economy Current
- Trip A
- Trip B

Upper Right

- None
- Compass
- Outside Temp (default setting)
- Time
- Range
- Fuel Economy Average
- Fuel Economy Current
- Trip A
- Trip B

Defaults (Restores All Settings To Default Settings)

- Cancel

- Restore

Current Gear

- On
- Off (default setting)

Favorite Menus — Equipped

- Speedometer
- Vehicle Info
- Terrain (show/hide)
- Driver Assist (show/hide)
- Fuel Economy (show/hide)
- Trip Info (show/hide)
- Stop/Start
- Audio (show/hide)
- Messages
- Screen Setup
- Speed Warning (show/hide)

The menu with (show/hide) means user can press **OK** button to choose show or hide this menu on the DID display.

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" or "Battery Saver Mode" will appear in the Electronic Vehicle Information Center (EVIC) or Driver Information Display (DID).

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. Refer to "Battery Charge Warning Light" in "Understanding Your Instrument Panel" for further information.**

The electrical loads that may be switched off (if equipped), and vehicle functions which can be effected by load reduction:

- Heated Seat/Vented Seats/Heated Wheel
- Heated/Cooled Cup Holders — If Equipped
- Rear Defroster And Heated Mirrors
- HVAC System
- 115V 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 +12V, 115V 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, +12V portable appliances like vacuum cleaner's, 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 +12V, 115V 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.

CYBERSECURITY

Your vehicle may be a connected vehicle and may be equipped with both wired and wireless networks. These networks allow your vehicle to send and receive information. 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 wire-

less communications. Vehicle software technology continues to evolve over time and FCA US LLC, working with its suppliers, evaluates and takes appropriate steps as needed. Similar to a computer or other devices, your vehicle may require software updates to improve the usability and performance of your systems or to reduce the potential risk of unauthorized and unlawful access to your vehicle systems.

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!

- 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.

(Continued)

WARNING! (Continued)

- ONLY insert media (e.g., USB, SD card, or CD) into your vehicle if it came from a trusted source. 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 your nearest authorized dealer immediately.

NOTE:

- FCA or your dealer may contact you directly regarding software updates.
- To help further improve vehicle security and minimize the potential risk of a security breach, vehicle owners should:
 - Routinely check www.driveuconnect.com/software-update to learn about available Uconnect software updates.

- Only connect and use trusted media devices (e.g. personal mobile phones, USBs, CDs).

Privacy of any wireless and wired communications cannot be assured. Third parties may unlawfully intercept information and private communications without your consent. For further information, refer to “Privacy Practices – If Equipped with Uconnect 8.4 radio” in “All About Uconnect Access” in your Uconnect Owner’s Manual Supplement and “Onboard Diagnostic System (OBD II) Cybersecurity” in “Maintaining Your Vehicle”.

SOUND SYSTEMS

Refer to your Uconnect Owner’s Manual Supplement.

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 that allow you to access and change the customer programmable features. Many features can vary by vehicle.



Uconnect 5.0 Buttons On Touchscreen And Buttons On Faceplate

- 1 — Uconnect Buttons On The Touchscreen
2 — Uconnect Buttons On The Faceplate



**Uconnect 8.4A/8.4AN Buttons On Faceplate
And Buttons On Touchscreen**

- 1 — Uconnect Buttons On The Touchscreen
2 — Uconnect Buttons On The Faceplate

Buttons On The Faceplate

Buttons on the faceplate are located below the Uconnect system in the center of the instrument panel. In addition, there is a Scroll/Enter control knob located on the right side of the Climate Controls in the center of the instrument panel. Turn the control knob to scroll through menus and change settings (i.e., 30, 60, 90), push the center of the control knob one or more times to select or change a setting (i.e., ON, OFF).

Your Uconnect system may also have Screen Off and Back buttons located below the Uconnect system.

Push the Screen Off button to turn off the Uconnect touchscreen. Push the Screen Off button a second time to turn the touchscreen on.

Push the Back button to exit out of a Menu or certain option on the Uconnect system.

Buttons On The Touchscreen

Buttons on the touchscreen are accessible on the Uconnect display.

Customer Programmable Features

— Uconnect 5.0 Personal Settings

Push the MORE button on the faceplate to display the menu setting screen. In this mode the Uconnect system allows you to access programmable features that may be equipped such as Display, Voice, Clock & Date, Safety & Assistance, Lights, Doors & Locks, Auto-On Comfort, Engine Off Options, Compass Settings, Audio, Phone/Bluetooth, Sirius Setup, Restore Settings, Clear Personal Data, and System Information.

NOTE:

Only one touchscreen area may be selected at a time.

When making a selection, press the button on the touchscreen to enter the desired mode. Once in the desired mode, press and release the preferred setting and make your selection. Once the setting is complete, either press the Back Arrow/Done button on the touchscreen or the Back button on the faceplate to return to the previous menu or press the “X” button on the touchscreen to close out of the settings screen. Pressing the “Up” or “Down” Arrow buttons on the right side of the screen will allow you to toggle up or down through the available settings.

NOTE:

All settings should be changed with the ignition in the RUN position.

Display

After pressing the “Display” button on the touchscreen the following settings will be available.

- **Display Mode**

When in this display you may select the "Auto" or "Manual" display settings. To change mode status, press and release the "Auto" or "Manual" button on the touchscreen. Then press the arrow back button on the touchscreen.

NOTE:

When "Day" or "Night" is selected for the Display Mode, the usage of the Parade Mode feature will cause the radio to activate the Display Brightness Day control even though the headlights are on.

- **Display Brightness With Headlights ON**

When in this display, you may select the overall screen brightness with the headlights on. Adjust the brightness with the "+" and "-" setting buttons on the touchscreen or by selecting any point on the scale between the "+" and "-" buttons on the touchscreen.

NOTE:

To make changes to the "Display Brightness with Headlights ON" setting, the headlights must be on and the interior dimmer switch must not be in the "party" or "parade" positions.

- **Display Brightness With Headlights OFF**

When in this display, you may select the overall screen brightness with the headlights off. Adjust the brightness with the "+" and "-" setting buttons on the touchscreen or by selecting any point on the scale between the "+" and "-" buttons on the touchscreen.

NOTE:

To make changes to the "Display Brightness with Headlights OFF" setting, the headlights must be off and the interior dimmer switch must not be in the "party" or "parade" positions.

- **Set Language**

When in this display, you may select one of multiple languages (Brasileiro/Deutsch/English/Español/Français/Italiano/Nederlands/Polski/

Português/Türk/Русский) for all display nomenclature, including the trip functions and the navigation system (if equipped). Press the "Set Language" button on the touchscreen, then press the desired language button on the touchscreen.

- **Touchscreen Beep**

When in this display, you may turn on or shut off the sound heard when a button on the touchscreen is pressed. Press the "Touchscreen Beep" button on the touchscreen then select from "On" or "Off."

Units

After pressing the "Units" button on the touchscreen you may select each unit of measure independently displayed in the Driver Information Display (DID), and navigation system (if equipped). The following selectable units of measure are listed below:

- **Speed**

Select from: "MPH" or "km/h."

- **Distance**

Select from: "mi" or "km."

- **Fuel Consumption**

Select from: "MPG" (US), "MPG" (UK), "L/100 km" or "km/L."

- **Pressure**

Select from: "psi," "kPa," or "bar."

- **Temperature**

Select from: "°C," or "°F."

Voice

After pressing the "Voice" button on the touchscreen the following settings will be available:

- **Voice Response Length**

When in this display, you may change the Voice Response Length settings. To change the Voice Response Length, press the "Voice Response Length" button on the touchscreen and select from "Brief" or "Long."

- **Show Command List**

When in this display, you may change the Show Command List settings. To change the Show Command List settings, press the "Show Com-

mand List" button on the touchscreen and select from "Always," "With Help" or "Never."

Clock & Date

After pressing the "Clock & Date" button on the touchscreen the following settings will be available:

- **Set Time & Format**

When in this display, you may set the time and format manually. Press the "Set Time" button then choose from a "12 hour" or "24 hour format." Press the corresponding arrow above and below the current time to adjust, then select "AM" or "PM."

- **Set Date**

When in this display, you may set the date manually. Press the "Set Date" button then press the corresponding arrows above and below the current date to adjust.

Safety/Assistance

After pressing the "Safety/Assistance" button on the touchscreen the following settings will be available:

- **ParkSense**

The ParkSense system will scan for objects behind the vehicle when the transmission gear selector is in REVERSE and the vehicle speed is less than 11 mph (18 km/h). It will provide an alert (audible and/or visual) to indicate the proximity to other objects. The system can be enabled with Sound Only, or Sound and Display. To change the ParkSense status, press and release the "Sound Only" or "Sounds and Display" button. Refer to "ParkSense" in "Understanding The Features Of Your Vehicle" for system function and operating information.

- **Tilt Mirrors In Reverse**

When this feature is selected, the exterior sideview mirrors will tilt downward when the ignition is in the 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. To make your selection, press the "Tilt Mirrors In Reverse" button on the touchscreen and make your selection.

- **ParkView Backup Camera Active Guidelines**

Your vehicle may be equipped with the ParkView Rear Back Up Camera Active Guidelines that allows you to see active guidelines over the ParkView Back up camera display whenever the gear selector is put into REVERSE. The image will be displayed on the radio touchscreen display along with a caution note to “check entire surroundings” across the top of the screen. After five seconds, this note will disappear. To make your selection, press the “ParkView Backup Camera Active Guidelines” button on the touchscreen and make your selection.

- **ParkView Backup Camera Delay**

When the vehicle is shifted out of REVERSE (with camera delay turned OFF), the rear camera mode is exited and the navigation or audio screen appears again. When the vehicle is shifted out of REVERSE (with camera delay turned ON), the rear view image with dynamic grid lines will be displayed for up to 10 seconds after shifting out of “REVERSE” unless the forward vehicle speed exceeds 8 mph

(12 km/h), the transmission is shifted into PARK or the ignition is switched to the OFF position. To set the ParkView Backup Camera Delay push the MORE button on the faceplate, the “settings” button on the touchscreen, then the “Safety & Driving Assistance” button on the touchscreen. Press the “Parkview Backup camera Delay” button on the touchscreen to turn the ParkView Delay ON or OFF.

- **Rain Sensing Auto Wipers**

When this feature is selected, the system will automatically activate the windshield wipers if it senses moisture on the windshield. To make your selection, press the “Rain Sensing” button on the touchscreen and make your selection.

- **Hill Start Assist — If Equipped**

When this feature is selected, the Hill Start Assist (HSA) system is active. Refer to “Electronic Brake Control System” in “Starting And Operating” for system function and operating information. To make your selection, press the “Hill Start Assist” button on the touchscreen and make your selection.

- **Paddle Shifters — If Equipped**

When this feature is selected, the paddle shifters can be enabled or disabled. Select the “Enable” or “Disable” button on the touchscreen.

- **Steering Feel Options — If Equipped**

The Steering Feel Options feature will allow you to adjust the steering effort and feel. Press the “Sport” button on the touchscreen to provide the greatest amount of steering feel, requiring the highest amount of steering effort. Press the “Normal” button on the touchscreen to provide greater steering feel, requiring greater steering effort. Press the “Comfort” button on the touchscreen to provide a balance of steering feel and steering effort.

- **Forward Collision On/Off Setting — If Equipped**

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 forward collision button is located in the Uconnect display in the controls settings. To turn the FCW system OFF, push the forward collision button

once to turn the system OFF. To turn the FCW system back ON, push the forward collision button again to turn the system ON. Changing the FCW status to “OFF” prevents the system from warning you of a possible collision with the vehicle in front of you.

The FCW system state is defaulted to ON from one ignition cycle to the next. If the system is turned OFF, it will reset to ON when the vehicle is restarted.

• **Forward Collision Warning Sensitivity — If Equipped**

The Front Collision Warning (FCW) feature provides an audible and/or visual warning to potential forward collisions. The feature can be set to Far, Medium or Near. The default status of FCW is the Far setting. This means the system will warn you of a possible collision with the vehicle in front of you when you are farther away. This gives you the most reaction time. To change the setting for more dynamic driving, select the Near setting. This warns you of a possible collision when you are much closer to

the vehicle in front of you. To change the FCW status, press and release the “Near”, “Medium” or “Far” button.

For further information, refer to “Forward Collision Warning (FCW) With Mitigation” in “Understanding The Features Of Your Vehicle”.

• **Forward Collision Warning (FCW) Active Braking — If Equipped**

The FCW system includes Advanced Brake Assist (ABA). When this feature is selected, the ABA applies additional brake pressure when the driver requests insufficient brake pressure to avoid a potential frontal collision. The ABA system becomes active at 5 mph (8 km/h). To make your selection, press the “Forward Collision Warning (FCW) with Mitigation - Active Braking” button on the touchscreen, indicating that the setting had been selected. For further information, refer to “Forward Collision Warning (FCW) With Mitigation” in “Understanding The Features Of Your Vehicle.”

• **Lane Departure Warning (LDW) — If Equipped**

The Lane Departure Warning (LDW) sets the distance at which the steering wheel will provide feedback for potential lane departures. The LDW sensitivity can be set to provide either an early, medium or late warning zone start point. To make your selection, touch the “Lane Departure Warning” soft-key, until a check-mark appears next to setting, indicating that the setting had been selected. Touch the back arrow soft-key to return to the previous menu.

• **Lane Departure Warning (LDW) Strength — If Equipped**

When this feature is selected, it sets the strength of the steering wheel feedback for potential lane departures. The amount of directional torque the steering system can apply to the steering wheel to correct for vehicle lane departure can be set at Low, Medium or High. To make your selection, touch the “Lane Departure Warning” soft-key until a check-mark appears next to setting, indicating that the setting had been selected. Touch the back arrow soft-key to return to the previous menu.

- **Rear ParkSense Chime Volume**

The Rear ParkSense Chime Volume settings can be selected from the DID or Uconnect System — if equipped. The chime volume settings include LOW, MEDIUM, and HIGH. The factory default volume setting is MEDIUM. To make your selection, press the “ParkSense Rear Chime Volume” button on the touchscreen, indicating that the setting had been selected. ParkSense will retain its last known configuration state through ignition cycles.

- **Rear ParkSense Braking Assist**

To make your selection, press the “Rear ParkSense Braking Assist” button on the touchscreen, indicating that the setting had been selected.

NOTE:

When this feature is selected, the ParkSense system will detect objects located behind the vehicle and utilize autonomous braking to help stop the vehicle (only enabled when ParkSense is also on). Refer to “ParkSense Rear Braking Assist” in “Understanding The

Features Of Your Vehicle” for system function and operating information.

- **Blind Spot Alert**

When this feature is selected, the Blind Spot Alert feature Provides alerts, visual and/or audible, to indicate objects in your blind spot. The Blind Spot Alert feature can be activated in “Lights” mode. When this mode is selected, the Blind Spot Monitor (BSM) system is activated and will only show a visual alert in the exterior mirrors. When “Lights & Chime” mode is activated, the Blind Spot Monitor (BSM) will show a visual alert in the exterior mirrors as well as an audible alert when the turn signal is on. When “Off” is selected, the Blind Spot Monitor (BSM) system is deactivated. To change the Blind Spot Alert status, press the “Off,” “Lights” or “Lights & Chime” button on the touchscreen.

NOTE:

If your vehicle has experienced any damage in the area where the sensor is located, even if the fascia is not damaged, the sensor may have become misaligned. Take your vehicle to an authorized dealer to verify sensor

alignment. Having a sensor that is misaligned will result in the BSM not operating to specification.

Lights

After pressing the “Lights” button on the touchscreen the following settings will be available.

- **Headlights Off Delay**

When this feature is selected, it allows the adjustment of the amount of time the headlights remain on after the engine is shut off. To change the Headlights Off Delay setting, press the “Headlight Off Delay” button on the touchscreen, and choose either 0 sec, 30 sec, 60 sec or 90 seconds.

- **Headlight Illumination On Approach**

When this feature is selected, it allows the adjustment of the amount of time the headlights remain on after the doors are unlocked with the Remote Keyless Entry (RKE) Key Fob. To change the Illuminated Approach status, press the “Illuminated Approach” button and choose either 0 sec, 30 sec, 60 sec or 90 seconds.

- **Headlights With Wipers — If Equipped**

When this feature is selected, and the headlight switch is in the AUTO position, the headlights will turn on approximately 10 seconds after the wipers are turned on. The headlights will also turn off when the wipers are turned off if they were turned on by this feature. To make your selection, press the “Lights w/Wipers” button on the touchscreen and make your selection.

- **Auto High Beams — If Equipped**

When this feature is selected, the high beam headlights will activate/deactivate automatically under certain conditions. To make your selection, press the “Auto High Beams” button on the touchscreen and make your selection. Refer to “Automatic High Beam Headlamp Control — If Equipped” in “Understanding The Features Of Your Vehicle” for further information.

- **Daytime Running Lights — If Equipped**

When this feature is selected, the headlights will turn on whenever the engine is running. To make your selection, press the “Daytime Running Lights” button on the touchscreen and make your selection.

- **Flash Lights w/Lock**

When this feature is selected, the exterior lights will flash when the doors are locked or unlocked with the RKE Key Fob or the Passive Entry Feature. To make your selection, press the “Flash Lights w/Lock” button on the touchscreen and select from “On” or “Off.”

Doors & Locks

After pressing the “Doors & Locks” button on the touchscreen the following settings will be available.

- **Auto Door Locks**

When this feature is selected, all doors will lock automatically when the vehicle reaches a speed of 15 mph (24 km/h). To make your selection, press the “Auto Door Locks” button on the touchscreen and select from “On” or “Off.”

- **Auto Unlock On Exit**

When this feature is selected, all doors will unlock when the vehicle is stopped and the transmission is in the PARK or NEUTRAL position and the driver’s door is opened. To make

your selection, press the “Auto Unlock On Exit” button on the touchscreen and select from “On” or “Off.”

- **Flash Lights w/Lock**

When this feature is selected, the exterior lights will flash when the doors are locked or unlocked with the Remote Keyless Entry (RKE) Key Fob or the Passive Entry Feature. To make your selection, press the “Flash Lights w/Lock” button on the touchscreen and select from “On” or “Off.”

- **Remote Door Unlock**

When “Remote Door Unlock” is selected, you may choose from “Driver” or “All.” Select “All” to have all doors unlock with the first push of the Key Fob. Select “Driver” to have the only the driver door open with the first push of the key fob.

NOTE:

Passive Entry — If Equipped. If “All” is selected, all doors will unlock no matter which Passive Entry door handle is grasped. If “Driver” is selected, only the driver’s door will unlock when the driver’s door is grasped.

- **Passive Entry**

This feature allows you to lock and unlock the vehicle's door(s) without having to press the Remote Keyless Entry (RKE) Key Fob lock or unlock buttons. To make your selection, press the "Passive Entry" button on the touchscreen and select from "On" or "Off." Refer to "Keyless Enter-N-Go" in "Things To Know Before Starting Your Vehicle" for further information.

- **Memory Linked to Fob — If Equipped**

This feature provides automatic driver seat positioning to enhance driver mobility when entering and exiting the vehicle. To make your selection, press the "Memory Linked to Fob" button on the touchscreen and select from "On" or "Off."

NOTE:

The seat will return to the memorized seat location if "Memory Linked to Fob" is set to (ON) when the Remote Keyless Entry (RKE) Key Fob is used to unlock the door. Refer to "Driver Memory Seat" in "Understanding The Features Of Your Vehicle" for further information.

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- **Power Lift Gate Alert — If Equipped**

This feature plays an alert when the power lift gate is raising or lowering. To make your selection, press the "Power Lift Gate Alert" button on the touchscreen and select from "On" or "Off."

- **Auto Comfort Systems — If Equipped**

After pressing the "Auto-On Comfort & Remote Start" button on the touchscreen the following settings will be available:

- **Auto-On Driver Heated/Ventilated Seat & Steering Wheel With Vehicle Start — If Equipped**

When this feature is selected the driver's heated seat and heated steering wheel will automatically turn ON when temperatures are below 40° F (4.4° C). When temperatures are above 80° F (26.7° C) the driver vented seat will turn ON. To make your selection, press the "Auto Heated Seats" button on the touchscreen, then select either "Off," "Remote Start" or "All Starts."

- **Engine Off Options**

After pressing the "Engine Off Options" button on the touchscreen the following settings will be available.

- **Easy Exit Seats — If Equipped**

When this feature is selected, the Driver's seat will automatically move rearward once the engine is shut off. To make your selection, press the "Easy Exit Seats" button on the touchscreen and make your selection.

- **Headlight Off Delay**

When this feature is selected, the driver can choose to have the headlights remain on for 0, 30, 60, or 90 seconds when exiting the vehicle. Press the "Headlight Off Delay" button on the touchscreen and choose from "0," "30," "60," or "90" seconds to select your desired time interval.

- **Engine Off Power Delay**

When this feature is selected, the power window switches, radio, Uconnect phone system (if equipped), DVD video system (if equipped), power sunroof (if equipped), and power outlets

will remain active for up to 10 minutes after the ignition is cycled to OFF. Opening either front door will cancel this feature. Press the "Engine Off Power Delay" button on the touchscreen and choose from "0 sec," "45 sec," "5 min" or "10 min" to select your desired time interval.

- **Auto Entry/Exit — If Equipped**

When this feature is selected, it automatically lowers the vehicle ride height position when shifted into park. Press the "Auto Entry/Exit" button on the touchscreen and choose from "On" or "Off."

- **Compass Setting — If Equipped**

After pressing the "Compass Settings" button on the touchscreen the following settings will be available.

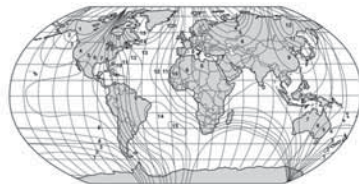
- **Compass Variance**

Compass Variance is the difference between Magnetic North and Geographic North. To compensate for the differences the variance should be set for the zone where the vehicle is driven, per the zone map. Once properly set, the com-

pass will automatically compensate for the differences, and provide the most accurate compass heading.

NOTE:

Keep magnetic materials away from the top of the instrument panel, such as iPod's, Mobile Phones, Laptop Computers and Radar Detectors. This is where the compass module is located, and it can cause interference with the compass sensor, and it may give false readings.



Compass Variance Map

- **Perform Compass Calibration**

Press the "Calibration" button on the touchscreen to change this setting. This compass is self-calibrating, which eliminates the need to manually reset the compass. When the vehicle is new, the compass may appear erratic and the DID will display CAL until the compass is calibrated. You may calibrate the compass by pressing the "ON" button on the touchscreen and completing one or more 360-degree turns (in an area free from large metal or metallic objects) until the CAL indicator displayed in the DID turns off. The compass will now function normally.

- **Audio**

After pressing the "Audio" button on the touchscreen the following settings will be available:

- **Equalizer**

When in this display you may adjust the Bass, Mid and Treble settings. Adjust the settings with the "+" and "-" buttons on the touchscreen or by selecting any point on the scale between the "+" and "-" buttons on the touchscreen.

- **Balance/Fade**

This feature allows you to adjust the Balance and Fade settings. Press and drag the speaker icon or use the arrows to adjust, tap the “C” icon to readjust to the center.

- **Speed Adjusted Volume**

This feature increases or decreases volume relative to vehicle speed. To change the Speed Adjusted Volume press the “Speed Adjusted Volume” button on the touchscreen and select from “Off,” “1,” “2” or “3” buttons on the touchscreen.

- **Surround Sound — If Equipped**

This feature provides simulated surround sound mode. To make your selection, press the “Surround Sound” button on the touchscreen, select “On” or “Off.”

- **AUX Volume Offset — If Equipped**

This feature provides the ability to tune the audio level for portable devices connected through the AUX input. To make your selection, press the “AUX Volume Offset” button on the touchscreen, select “On” or “Off.”

- **Loudness — If Equipped**

This feature improves sound quality at lower volumes. To make your selection, press the “Loudness” button on the touchscreen, select “On” or “Off.”

- **Phone/Bluetooth**

After pressing the “Phone/Bluetooth” button on the touchscreen the following settings will be available:

- **Paired Devices**

This feature shows which phones are paired to the Phone/Bluetooth system. For further information, refer to your Uconnect Owner’s Manual Supplement.

- **Suspension — If Equipped**

After pressing the “Suspension” button on the touchscreen the following settings will be available:

- **Auto Entry/Exit Suspension**

When this feature is selected, the vehicle automatically lowers from ride height position when the vehicle is shifted to park for easy entry/exit. To make your selection, press the “Auto Entry/

Exit” button on the touchscreen, select “On” or “Off” followed by pressing the back arrow button on the touchscreen.

- **Suspension Display Messages**

When All is selected, all the Air Suspension Alerts will be displayed. When Warnings Only is selected only the Air Suspension Warnings will be displayed.

- **Tire Jack Mode**

When this feature is selected the air suspension system is disabled to prevent auto leveling of the suspension, while the vehicle is on a jack changing a tire. To make your selection, press the “Tire Jack Mode” button on the touchscreen, select “On” or “Off” followed by pressing the back arrow button on the touchscreen.

- **Transport Mode**

When this feature is selected the air suspension system is disabled to assist with flat bed towing. To make your selection, press the “Transport Mode” button on the touchscreen, select “On” or “Off” followed by pressing the back arrow button on the touchscreen.

- **Wheel Alignment Mode**

This feature prevents auto leveling of the air suspension while performing a wheel alignment service. Before performing a wheel alignment this mode must be enabled. Refer to your authorized dealer for further information.

- **Radio Setup — If Equipped**

After pressing the “Radio Setup” button on the touchscreen the following settings will be available.

- **Regional — If Equipped**

When this feature is selected it forces regional service-following enabling automatic switching to network stations. To change the Regional setting press the “Off” or “On” button on the touchscreen. Press the back arrow button on the touchscreen to return to the previous menu.

- **Restore Settings**

After pressing the “Restore Settings” button on the touchscreen the following settings will be available:

- **Restore Settings**

When this feature is selected it will reset the Display, Clock, Audio, and Radio Settings to their default settings. To restore the settings to their default setting, press the Restore Settings button. A pop-up will appear asking “Are you sure you want to reset your settings to default?” select “Yes” to restore, or “Cancel” to exit. Once the settings are restored, a pop up appears stating “settings reset to default.”

- **Clear Personal Data**

After pressing the “Clear Personal Data Settings” button on the touchscreen the following settings will be available:

- **Clear Personal Data**

When this feature is selected it will remove personal data including Bluetooth devices and presets. To remove personal information, press the “Clear Personal Data” button and a pop-up will appear asking “Are you sure you want to clear all personal data?” select “Yes” to Clear, or “Cancel” to exit. Once the data has been cleared, a pop up appears stating “Personal data cleared”.

- **System Information**

After pressing the “System Information” button on the touchscreen the following information will be available:

- **System Information**

When System Information is selected, a System Information screen will appear displaying the system software version.

- **Customer Programmable Features — Uconnect 8.4 Settings**

Press the “Apps  ” button, then press the “Settings” button on the touchscreen to display the menu setting screen. In this mode the Uconnect system allows you to access programmable features that may be equipped such as Display, Units, Voice, Clock, Safety & Driving Assistance, Lights, Doors & Locks, Auto-On Comfort, Engine Off Options, Audio, Phone/Bluetooth, Restore Settings, Clear Personal Data, and System Information.

- **NOTE:**

- **Only one touchscreen area may be selected at a time.**

- Depending on the vehicles options, feature settings may vary.

When making a selection, press the button on the touchscreen to enter the desired mode. Once in the desired mode, 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, either press the Back Arrow button on the touchscreen to return to the previous menu, or 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.

Display

After pressing the “Display” button on the touchscreen the following settings will be available.

- **Display Mode**

When in this display you may select one of the auto display settings. To change Mode status, select from “Day,” “Night” or “Auto” until a check-mark appears next to the setting, showing that setting has been selected.

NOTE:

When Day or Night is selected for the Display Mode, the usage of the Parade Mode feature will cause the radio to activate the Display Brightness Day control even though the headlights are on.

- **Display Brightness With Headlights ON**

When in this display, you may select the brightness with the headlights on. Adjust the brightness with the “+” and “-” setting buttons on the touchscreen or by selecting any point on the scale between the “+” and “-” buttons on the touchscreen.

NOTE:

To make changes to the “Display Brightness with Headlights ON” setting, the headlights must be on and the interior dimmer switch must not be in the “party” or “parade” positions.

- **Display Brightness With Headlights OFF**

When in this display, you may select the brightness with the headlights off. Adjust the brightness with the “+” and “-” setting buttons on the

touchscreen or by selecting any point on the scale between the “+” and “-” buttons on the touchscreen.

NOTE:

To make changes to the “Display Brightness with Headlights OFF” setting, the headlights must be off and the interior dimmer switch must not be in the “party” or “parade” positions.

- **Set Theme**

This feature will allow you to choose a background theme for the display screen. The theme will change the background color, highlight color, and button color of the display screen.

- **Set Language**

When in this display, you may select one of multiple languages (Brasileiro/Deutsch/English/Español/Français/Italiano/Nederlands/PolSKI/Português/Türk/Русский) for all display nomenclature, including the trip functions and the navigation system (if equipped). Press the “Set

Language” button on the touchscreen, then select the desired language button on the touchscreen.

- ***Touchscreen Beep***

When in this display, you may turn on or shut off the sound heard when button on the touchscreen is pressed. Press the “Touchscreen Beep” button on the touchscreen until a check-mark appears next to the setting, showing that setting has been selected.

- ***Controls Screen Time-Out***

When in this display, you may turn on or shut off the ability for the controls screen to time out. Press the “Controls Screen Time-Out” button on the touchscreen until a check-mark appears next to the setting, showing that setting has been selected.

- ***Navigation Turn-By-Turn Displayed In Cluster — If Equipped***

To make your selection, press the “Navigation Turn-By-Turn Displayed In Cluster” button on

the touchscreen, until a check-mark appears next to the setting, showing that setting has been selected.

- ***Units***

After pressing the “Units” button on the touchscreen you may select each unit of measure independently displayed in the Driver Information Display (DID), and navigation system (if equipped). The following selectable units of measure are listed below:

- ***Speed***

Select from: “MPH” or “km/h.”

- ***Distance***

Select from: “mi” or “km.”

- ***Fuel Consumption***

Select from: “MPG” (US), “MPG” (UK), “L/100 km” or “km/L.”

- ***Pressure***

Select from: “psi,” “kPa,” or “bar.”

- ***Temperature***

Select from: “°C,” or “°F.”

- ***Voice***

After pressing the “Voice” button on the touchscreen the following settings will be available:

- ***Voice Response Length***

When in this display, you may change the Voice Response Length settings. To change the Voice Response Length, press the “Brief” or “Detailed” button on the touchscreen until a check-mark appears next to the setting, showing that setting has been selected.

- ***Show Command List***

When in this display, you may choose to Always, With Help, or Never display the Teleprompter with possible options while in a voice session. To change the Show Command List settings, press the “Always,” “With Help,” or “Never” button on the touchscreen until a check-mark appears next to the setting, showing that setting has been selected.

Clock

After pressing the “Clock” button on the touchscreen the following settings will be available:

- ***Sync Time With GPS***

This feature will allow the radio to sync time with a GPS signal. To change the Sync Time setting, press the “Sync time with GPS” button on the touchscreen until a check-mark appears next to the setting, showing that setting has been selected.

- ***Set Time Hours***

This feature will allow you to adjust the hours. The “Sync time with GPS” button on the touchscreen must be unchecked. To make your selection, press the “+” or “-” buttons on the touchscreen to adjust the hours up or down.

- ***Set Time Minutes***

This feature will allow you to adjust the minutes. The “Sync time with GPS” button on the touchscreen must be unchecked. To make your selection, press the “+” or “-” buttons on the touchscreen to adjust the minutes up or down.

- ***Time Format***

This feature will allow you to select the time format display setting. Press the “Time Format” button on the touchscreen until a check-mark appears next to the “12 hrs” or “24 hrs” setting, showing that setting has been selected.

- ***Show Time In Status Bar — If Equipped***

This feature will allow you to turn on or shut off the digital clock in the status bar. To change the Show Time Status setting press the “Show Time in Status Bar” button on the touchscreen until a check-mark appears next to setting, indicating that the setting has been selected.

Safety & Driving Assistance

After pressing the “Safety & Driving Assistance” button on the touchscreen the following settings will be available:

- ***Forward Collision Warning Sensitivity — If Equipped***

The Front Collision Warning (FCW) Sensitivity feature provides an audible and/or visual warning to potential forward collisions. The feature can be set to Far, Medium or Near. The

default status of FCW Sensitivity is the Far setting. This means the system will warn you of a possible collision with the vehicle in front of you when you are farther away. This gives you the most reaction time. To change the setting for more dynamic driving, select the Near setting. This warns you of a possible collision when you are much closer to the vehicle in front of you. To change the FCW Sensitivity status, press and release the “Near”, “Medium” or “Far” button.

For further information, refer to “Adaptive Cruise Control (ACC)” in “Understanding The Features Of Your Vehicle”.

- ***Forward Collision On/Off Setting — If Equipped***

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 forward collision button is located in the Uconnect display in the controls settings. To turn the FCW system OFF, push the forward collision button once to turn the system OFF. To turn the FCW system back ON, push the forward collision button again to turn the system ON. Changing

the FCW status to “OFF” prevents the system from warning you of a possible collision with the vehicle in front of you.

The FCW system state is defaulted to ON from one ignition cycle to the next. If the system is turned OFF, it will reset to ON when the vehicle is restarted.

- ***Paddle Shifters — If Equipped***

When this feature is selected, the paddle shifters can be enabled or disabled. Select the “Enable” or “Disable” button on the touchscreen.

- ***Forward Collision Warning (FCW) Active Braking — If Equipped***

The FCW system includes Advanced Brake Assist (ABA). When this feature is selected, the ABA applies additional brake pressure when the driver requests insufficient brake pressure to avoid a potential frontal collision. The ABA system becomes active at 5 mph (8 km/h). To make your selection, press the “Forward Collision Warning (FCW) with Mitigation - Active Braking” button on the touchscreen, until a check-mark appears next to setting, indicating

that the setting had been selected. For further information, refer to “Forward Collision Warning (FCW) With Mitigation” in “Understanding The Features Of Your Vehicle.”

- ***Lane Departure Warning (LDW) — If Equipped***

The Lane Departure Warning (LDW) sets the distance at which the steering wheel will provide feedback for potential lane departures. The LDW sensitivity can be set to provide either an early, medium or late warning zone start point. To make your selection, touch the “Lane Departure Warning” soft-key, until a check-mark appears next to setting, indicating that the setting had been selected. Touch the back arrow soft-key to return to the previous menu.

- ***Lane Departure Warning (LDW) Strength — If Equipped***

When this feature is selected, it sets the strength of the steering wheel feedback for potential lane departures. The amount of directional torque the steering system can apply to the steering wheel to correct for vehicle lane departure can be set at Low, Medium or High.

To make your selection, touch the “Lane Departure Warning” soft-key until a check-mark appears next to setting, indicating that the setting had been selected. Touch the back arrow soft-key to return to the previous menu.

- ***ParkSense***

The ParkSense system will scan for objects behind the vehicle when the transmission gear selector is in REVERSE and the vehicle speed is less than 11 mph (18 km/h). It will provide an alert (audible and/or visual) to indicate the proximity to other objects. The system can be enabled with Sound Only, or Sound and Display. To change the ParkSense status, press and release the “Sound” or “Sound and Display” button. Refer to “ParkSense” in “Understanding The Features Of Your Vehicle” for system function and operating information.

CAUTION!

- ParkSense is only a parking aid and it is unable to recognize every obstacle, including small obstacles. Parking curbs might

(Continued)

CAUTION! (Continued)

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.

- 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.

- **Front ParkSense Chime Volume**

The Front ParkSense Chime Volume settings can be selected from the Driver Information Display (DID) or Uconnect System — if equipped. The chime volume settings include LOW, MEDIUM, and HIGH. The factory default volume setting is MEDIUM. To make your selection, press the “ParkSense Front Chime Volume” button on the touchscreen, until a check-mark appears next to setting, indicating that the

setting had been selected. ParkSense will retain its last known configuration state through ignition cycles.

- **Rear ParkSense Chime Volume**

The Rear ParkSense Chime Volume settings can be selected from the DID or Uconnect System — if equipped. The chime volume settings include LOW, MEDIUM, and HIGH. The factory default volume setting is MEDIUM. To make your selection, press the “ParkSense Rear Chime Volume” button on the touchscreen, until a check-mark appears next to setting, indicating that the setting had been selected. ParkSense will retain its last known configuration state through ignition cycles.

- **Rear ParkSense Braking Assist**

To make your selection, press the “Rear ParkSense Braking Assist” button on the touchscreen, until a check-mark appears next to setting, indicating that the setting had been selected.

NOTE:

When this feature is selected, the ParkSense system will detect objects located behind the vehicle and utilize autonomous braking to help stop the vehicle (only enabled when ParkSense is also on). Refer to “ParkSense Rear Braking Assist” in “Understanding The Features Of Your Vehicle” for system function and operating information.

- **Tilt Side Mirrors In Reverse**

When this feature is selected, the exterior side view mirrors will tilt downward when the ignition is in the 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. To make your selection, press the “Tilt Side Mirrors In Reverse” button on the touchscreen, until a check-mark appears next to setting, indicating that the setting had been selected.

- **Blind Spot Alert**

When this feature is selected, the Blind Spot Alert feature Provides alerts, visual and/or audible, to indicate objects in your blind spot. The Blind Spot Alert feature can be activated in “Lights” mode. When this mode is selected, the Blind Spot Monitor (BSM) system is activated and will only show a visual alert in the exterior mirrors. When “Lights & Chime” mode is activated, the Blind Spot Monitor (BSM) will show a visual alert in the exterior mirrors as well as an audible alert when the turn signal is on. When “Off” is selected, the Blind Spot Monitor (BSM) system is deactivated. To change the Blind Spot Alert status, press the “Off,” “Lights” or “Lights & Chime” button on the touchscreen.

NOTE:

If your vehicle has experienced any damage in the area where the sensor is located, even if the fascia is not damaged, the sensor may have become misaligned. Take your vehicle to an authorized dealer to verify sensor alignment. Having a sensor that is misaligned will result in the BSM not operating to specification.

- **ParkView Backup Camera Active Guidelines**

Your vehicle may be equipped with the ParkView Rear Back Up Camera Active Guidelines that allows you to see active guidelines over the ParkView Back up camera display whenever the gear selector is put into REVERSE. The image will be displayed on the radio touchscreen display along with a caution note to “check entire surroundings” across the top of the screen. After five seconds, this note will disappear. To change the mode status, press the “ParkView Backup Camera Active Guidelines” button on the touchscreen, until a check-mark appears next to setting, indicating that the setting had been selected.

- **ParkView Backup Camera Delay**

When the vehicle is shifted out of REVERSE (with camera delay turned OFF), the rear camera mode is exited and the navigation or audio screen appears again. When the vehicle is shifted out of REVERSE (with camera delay turned ON), the rear view image with dynamic grid lines will be displayed for up to 10 seconds after shifting out of “REVERSE” unless the

forward vehicle speed exceeds 8 mph (12 km/h), the transmission is shifted into “PARK” or the ignition is switched to the OFF position. To set the ParkView Backup Camera Delay press the “Controls” button on the touchscreen, the “settings” button on the touchscreen, then the “Safety & Driving Assistance” button on the touchscreen. Press the “Parkview Backup camera Delay” button on the touchscreen to turn the ParkView Delay ON or OFF.

- **Rain Sensing Auto Wipers**

When this feature is selected, the system will automatically activate the windshield wipers if it senses moisture on the windshield. To make your selection, press the “Rain Sensing” button on the touchscreen, until a check-mark appears next to setting, indicating that the setting had been selected.

- **Hill Start Assist — If Equipped**

When this feature is selected, the Hill Start Assist (HSA) system is active. Refer to “Electronic Brake Control System” in “Starting And Operating” for system function and operating information. To make your selection, press the

“Hill Start Assist” button on the touchscreen, until a check-mark appears next to setting, indicating that the setting had been selected.

- ***Steering Feel Options — If Equipped***

The Steering Feel Options feature will allow you to adjust the steering effort and feel. Press the “Sport” button on the touchscreen to provide the greatest amount of steering feel, requiring the highest amount of steering effort. Press the “Normal” button on the touchscreen to provide greater steering feel, requiring greater steering effort. Press the “Comfort” button on the touchscreen to provide a balance of steering feel and steering effort.

Lights

After pressing the Lights button on the touchscreen the following settings will be available.

- ***Headlight Off Delay***

When this feature is selected, it allows adjustment of the amount of time the headlights remain on after the engine is shut off. To change the Headlights Off Delay setting, press the “+” or “-” button on the touchscreen to select your

desired time interval, and choose either 0 sec, 30 sec, 60 sec or 90 seconds.

- ***Headlight Illumination On Approach***

When this feature is selected, the headlights will activate and remain on for 0, 30, 60, or 90 seconds when the doors are unlocked with the Remote Keyless Entry (RKE) Key Fob. To change the Illuminated Approach status, press the “+” or “-” button on the touchscreen to select your desired time interval.

- ***Headlights With Wipers — If Equipped***

When this feature is selected, and the headlight switch is in the AUTO position, the headlights will turn on approximately 10 seconds after the wipers are turned on. The headlights will also turn off when the wipers are turned off if they were turned on by this feature. To make your selection, press the Headlights With Wipers button on the touchscreen, until a check-mark appears next to setting, showing that setting has been selected.

- ***Auto Dim High Beams — If Equipped***

When this feature is selected, the high beam headlights will activate/deactivate automatically under certain conditions. To make your selection, press the “Auto High Beams” button on the touchscreen, until a check-mark appears next to setting, showing that setting has been selected. Refer to “Automatic High Beam Headlamp Control — If Equipped” in “Understanding The Features Of Your Vehicle” for further information.

- ***Daytime Running Lights — If Equipped***

When this feature is selected, the headlights will turn on whenever the vehicle is set in motion. To make your selection, press the “Daytime Running Lights” button on the touchscreen, until a check-mark appears next to setting, showing that setting has been selected.

- ***Flash Lights With Lock***

When this feature is selected, the exterior lights will flash when the doors are locked or unlocked with the RKE Key Fob. This feature may be selected with or without the sound horn on lock feature selected. To make your selection, press

the “Flash Lights with Lock” button on the touchscreen, until a check-mark appears next to setting, showing that setting has been selected.

Doors & Locks

After pressing the Doors & Locks button on the touchscreen the following settings will be available.

- **Auto Door Locks**

When this feature is selected, all doors will lock automatically when the vehicle reaches a speed of 15 mph (24 km/h). To make your selection, press the “Auto Door Locks” button on the touchscreen, until a check-mark appears next to setting, showing that setting has been selected.

- **Auto Unlock On Exit**

When this feature is selected, all doors will unlock when the vehicle is stopped, the transmission is in the PARK or NEUTRAL position and the driver’s door is opened. To make your selection, press the “Auto Unlock on Exit” but-

ton on the touchscreen, until a check-mark appears next to setting, showing that setting has been selected.

- **Flash Lights With Lock**

When this feature is selected, the exterior lights will flash when the doors are locked or unlocked with the Remote Keyless Entry (RKE) Key Fob, or when using the passive entry feature. This feature may be selected with or without the sound horn on lock feature selected. To make your selection, press the “Flash Lights with Lock” button on the touchscreen, until a check-mark appears next to setting, indicating that the setting has been selected.

- **1st Press Of Key Fob Unlocks**

When “Driver Door” is selected with 1st Press Of Key Fob Unlocks, only the driver’s door will unlock with the first press of the RKE Key Fob UNLOCK button. You must press the RKE Key Fob UNLOCK button twice to unlock the passenger’s doors. When “All Doors” is selected for 1st Press Of Key Fob Unlocks, all doors will unlock on the first press of the RKE Key Fob UNLOCK button.

NOTE:

If the vehicle is programmed 1st Press Of Key Fob Unlocks “All Doors,” all doors will unlock no matter which Passive Entry equipped door handle is grasped. If 1st Press Of Key Fob Unlocks “Driver Door” is programmed, only the driver’s door will unlock when the driver’s door is grasped. With Passive Entry, if 1st Press Of Key Fob Unlocks “Driver Door” is programmed, touching the handle more than once will only result in the driver’s door opening. If “Driver Door” is selected, once the driver door is opened, the interior door lock/unlock switch can be used to unlock all doors (or use RKE Key Fob).

- **Passive Entry**

This feature allows you to lock and unlock the vehicles door(s) without having to press the RKE Key Fob lock or unlock buttons. To make your selection, press the “Passive Entry” button on the touchscreen, until a check-mark appears next to setting, showing that setting has been selected. Refer to “Keyless Enter-N-Go” in “Things To Know Before Starting Your Vehicle”.

- **Personal Settings Linked to Key Fob — If Equipped**

This feature provides automatic recall of all settings stored to a memory location (driver's seat, exterior mirrors, steering column position and radio station pre-sets) to enhance driver mobility when entering and exiting the vehicle. To make your selection, press the "Personal Settings Linked to Key Fob" button on the touchscreen, until a check-mark appears next to setting, showing that setting has been selected.

NOTE:

The seat will return to the memorized seat location (if Recall Memory with Remote Key Unlock is set to ON) when the RKE Key Fob is used to unlock the door. Refer to "Driver Memory Seat" in "Understanding The Features Of Your Vehicle" for further information.

- **Power Lift Gate Chime — If Equipped**

This feature plays an alert when the power lift gate is raising or lowering. To make your selec-

tion, press the "Power Lift Gate Chime" button on the touchscreen, until a check-mark appears next to setting, showing that setting has been selected.

- **Auto-On Comfort — If Equipped**

After pressing the "Auto-On Comfort" button on the touchscreen the following settings will be available:

- **Auto-On Driver Heated/Ventilated Seat & Steering Wheel With Vehicle Start — If Equipped**

When this feature is selected the driver's heated seat will automatically turn on when temperatures are below 40° F (4.4° C). When temperatures are above 80° F (26.7° C) the driver vented seat will turn on. To make your selection, press the "Auto-On Driver Heated/Ventilated Seat & Steering Wheel With Vehicle Start" button on the touchscreen, then select either "Off," "Remote Start" or "All Starts" until a check-mark appears next to setting, showing that setting has been selected.

- **Engine Off Options**

After pressing the Engine Off Options button on the touchscreen the following settings will be available.

- **Easy Entry/Exit Seat — If Equipped**

This feature provides automatic driver seat positioning to enhance driver mobility when entering and exiting the vehicle. To make your selection, press the "Easy Exit Seat" button on the touchscreen until a check-mark appears next to setting, showing that setting has been selected.

- **Engine Off Power Delay**

When this feature is selected, the power window switches, radio, Uconnect phone system (if equipped), DVD video system (if equipped), power sunroof (if equipped), and power outlets will remain active for up to 10 minutes after the ignition is cycled to OFF. Opening either front door will cancel this feature. To change the Engine Off Power Delay status press the "+" or "-" button to choose from "0 seconds," "45 seconds," "5 minutes," or "10 minutes."

- **Headlight Off Delay**

When this feature is selected, the driver can choose to have the headlights remain on for 0, 30, 60, or 90 seconds when exiting the vehicle. To change the Headlight Off Delay status press the “+” or “-” button on the touchscreen to select your desired time interval.

- **Auto Entry/Exit Suspension — If Equipped**

When this feature is selected, the driver can choose to automatically lower the vehicle from ride height position when the vehicle is shifted to park. To change the mode status press the “Auto Entry/Exit Suspension” button on the touchscreen until a check-mark appears next to setting, showing that setting has been selected.

- **Audio**

After pressing the “Audio” button on the touchscreen the following settings will be available.

- **Balance/Fade**

This feature allows you to adjust the Balance and Fade settings. Press and drag the speaker icon, use the arrows to adjust, or tap the ‘C’ icon to readjust to the center.

- **Equalizer**

This feature allows you to adjust the Bass, Mid and Treble settings. Adjust the settings with the “+” and “-” setting buttons on the touchscreen or by selecting any point on the scale between the “+” and “-” buttons on the touchscreen.

NOTE:

Bass/Mid/Treble allow you to simply slide your finger up or down to change the setting as well as press directly on the desired setting.

- **Speed Adjusted Volume**

This feature increases or decreases volume relative to vehicle speed. To change the Speed Adjusted Volume press the “Off,” “1,” “2” or “3” button on the touchscreen.

- **Surround Sound — If Equipped**

This feature provides simulated surround sound mode. To make your selection, press the “Surround Sound” button on the touchscreen, select “On” or “Off.”

- **AUX Volume Offset — If Equipped**

This feature provides the ability to tune the audio level for portable devices connected through the AUX input. To make your selection, press the AUX Volume Offset button on the touchscreen, choose a level from -3 to +3.

- **Loudness — If Equipped**

Loudness improves sound quality at lower volumes. To make your selection, press the “Loudness” button on the touchscreen, then choose “Yes” or “No.”

Phone/Bluetooth

After pressing the “Phone/Bluetooth” button on the touchscreen the following settings will be available:

- ***Paired Phones***

This feature shows which phones are paired to the Phone/Bluetooth system. For further information, refer to the Uconnect Owner’s Manual Supplement.

- ***Paired Audio Sources***

This feature shows which audio devices are paired to the Phone/Bluetooth system. For further information, refer to the Uconnect Owner’s Manual Supplement.

Suspension — If Equipped

After pressing the “Suspension” button on the touchscreen the following settings will be available:

- ***Auto Entry/Exit Suspension***

When this feature is selected, the vehicle automatically lowers from ride height position when vehicle shifted to park for easy entry/exit. Press the box next to your selection and a check-mark

appears next to the feature showing the system has been activated or the check-mark is removed showing the system has been deactivated.

- ***Suspension Display Messages***

When All is selected, all the Air Suspension Alerts will be displayed. When Warnings Only is selected only the Air Suspension Warnings will be displayed.

- ***Tire Jack Mode***

When this feature is selected the air suspension system is disabled to prevent auto leveling of the suspension, while the vehicle is on a jack changing a tire. Press the box next to your selection and a check-mark appears next to the feature showing the system has been activated or the check-mark is removed showing the system has been deactivated.

- ***Transport Mode***

When this feature is selected the air suspension system is disabled to assist with flat bed towing. Press the box next to your selection and a check-mark appears next to the feature show-

ing the system has been activated or the check-mark is removed showing the system has been deactivated.

- ***Wheel Alignment Mode***

This feature prevents auto leveling of the air suspension while performing a wheel alignment service. Before performing a wheel alignment this mode must be enabled. Refer to your authorized dealer for further information.

Radio Setup — If Equipped

After pressing the “Radio Setup” button on the touchscreen the following settings will be available.

- ***Regional — If Equipped***

When this feature is selected it forces regional service-following enabling automatic switching to network stations. To change the Regional setting press the “Off” or “On” button on the touchscreen. Press the back arrow button on the touchscreen to return to the previous menu.

Restore Settings

After pressing the “Restore Settings” button on the touchscreen the following settings will be available:

- **Restore Settings**

When this feature is selected it will reset the Display, Clock, Audio, and Radio Settings to their default settings. To restore the settings to their default setting, press the "Restore Settings" button on the touchscreen and pop-up will appear asking "Are you sure you want to reset your settings to default?" select "OK" to restore, or "Cancel" to exit. Once the settings are restored, a pop-up appears stating "Settings Reset To Default."

- **Clear Personal Data**

After pressing the "Clear Personal Data" button on the touchscreen the following settings will be available:

- **Clear Personal Data**

When this feature is selected it will remove personal data including Bluetooth devices and presets. To remove personal information, press the "Clear Personal Data" button and a pop-up

will appear asking "Are you sure you want to clear all personal data?" select "OK" to Clear, or "Cancel" to exit. Once the data has been cleared, a pop up appears stating "Personal Data Cleared."

- **System Information**

After pressing the "System Information" button on the touchscreen the following settings will be available:

- **System Information**

When System Information is selected, a System Information screen will appear displaying the system software version.

UCONNECT RADIOS — IF EQUIPPED

For detailed information about your Uconnect radio, refer to your Uconnect Owner's Manual Supplement.

iPod/USB/MP3 CONTROL — IF EQUIPPED

This feature allows an iPod or external USB device to be plugged into the USB port.

iPod control supports Mini, 4G, Photo, Nano, 5G iPod and iPhone devices. Some iPod software versions may not fully support the iPod control features. Please visit Apple's website for software updates.

For further information, refer to the Uconnect Owner's Manual Supplement.

UCONNECT REAR SEAT ENTERTAINMENT (RSE) SYSTEM — IF EQUIPPED

Your Rear Seat Entertainment System is designed to give your family years of enjoyment. You can play your favorite CDs, DVDs or Blu-ray Discs, listen to audio over the wireless headphones, or plug and play a variety of standard video games or audio devices. Please review this Owner's Manual to become familiar with its features and operation.

Getting Started

- **Screen(s) located in the rear of front seats:** Open the LCD screen cover by lifting up on cover.



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RSE System Screen

- Place the ignition in the ON or ACC position.
- Your vehicle may be equipped with a Blu-ray Disc Player. If equipped with a Blu-ray Disc Player, the icon will be present on the Player.
- Turn on the Rear Seat Entertainment system by pushing the Power button on the remote control.

- When the Video Screen(s) are open and a DVD/Blu-ray Disc is inserted into the Disc player, the screen(s) turn(s) ON automatically, the headphone transmitters turn ON and playback begins.



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RSE System Channel 1 (Rear 1)

- With the Dual Video Screen System, Channel 1 (Rear 1) on the Remote Control and Headphones refers to Screen 1 (driver's side) and Channel 2 (Rear 2) on the Remote Control and Headphones refers to Screen 2 (passenger side).



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RSE System Remote Control Channel Selectors



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RSE System Headphone Channel Selectors

- The system can be controlled by the front seat occupants utilizing either the touchscreen radio, or by the rear seat occupants using the remote control.

Dual Video Screen

NOTE:

Typically there are two different ways to operate the features of the Rear Seat Entertainment System.

- The Remote Control
- The Touchscreen Radio (If Equipped)

Blu-ray Disc Player

Play A Blu-ray Disc

The Blu-ray Disc player is located in the center console.



Blu-ray Disc Player Location

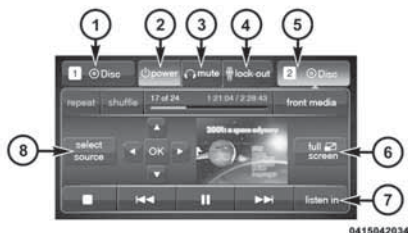
1. Insert a Blu-ray disc into the VES disc player with the label facing as indicated on the Blu-ray player. The radio automatically selects the appropriate mode after the disc is recognized and displays the menu screen, the language screen, or starts playing the first track.
2. To watch a Blu-ray disc on Rear 1 for driver's side rear passengers, ensure the Remote Control and Headphone switch is on Rear 1.

3. To watch a Blu-ray disc on Rear 2 for passenger side rear passengers, ensure the Remote Control and Headphone switch is on Rear 2.

NOTE:

- To view a Blu-ray disc on the radio, press the "Media" button on the touchscreen, and then press the "Disc" button. Press the "Play" button, and then the "full screen" button.
- Viewing a Blu-ray disc on the radio screen is not available in all states/provinces. The vehicle must be stopped, and the gear selector must be in the PARK position for vehicles with automatic transmission.

Using The Touchscreen Radio



Rear Media Control Screen

1. RSE Channel 1 Mode

Indicates the current source for Screen 1/Channel 1. This button will be highlighted when it is the active Screen/Channel being controlled by the front user. If this button is not highlighted, select button to access controls for Screen 1/Channel 1 source.

2. RSE Power

Press to turn RSE On/Off.

3. RSE Mute

Mute rear headphones for the current ignition cycle. Pressing mute again will unmute rear headphones.

4. RSE Remote Control Lock Out

Press to enable/disable Remote Control functions.

5. RSE Channel 2 Mode

Indicates the current source for Screen 2/Channel 2. This button will be highlighted when it is the active Screen/Channel being controlled by the front user. If this button is not highlighted, select button to access controls for Screen 2/Channel 2 source.

6. Radio Full Screen Mode

Select this button to change to Full Screen Mode.

7. Cabin Audio Mode

Select this button to change the cabin audio to the rear entertainment source currently shown on the rear media control screen.

8. RSE Mode

Select this button to change source for the active (highlighted) rear Screen/Channel on the rear media control screen.

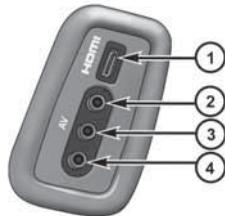
- Press the Media button on the touchscreen, and then press the Rear Media button on the touchscreen.
- Press the OK button on the touchscreen to begin playing the Blu-ray Disc on the touchscreen radio.

Using The Remote Control

- Select an audio channel (Rear 1 for driver's side rear screen and Rear 2 for passenger's side rear screen), and then press the source key, and using the up and down arrows, highlight disc from the menu and press the OK button.
- Press the popup/menu key to navigate the disc menu and options.

Play Video Games

Connect the video game console to the Audio/Video RCA/HDMI input jacks located on the side of each seat.



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Audio/Video RCA/HDMI Input Jacks

Audio/Video RCA/HDMI Jacks (AUX/HDMI Jacks) on the side of each seat enable the monitor to display video directly from a video camera, connect video games for display on the screen, or play music directly from an MP3 player.

When connecting an external source to the AUX/HDMI input, ensure to follow the standard color coding for the audio/video jacks:

1. HDMI Input.
2. Right audio in (red).
3. Left audio in (white).
4. Video in (yellow).

NOTE:

Certain high-end video games consoles may exceed the power limit of the vehicle's Power Inverter.

Play A DVD/Blu-ray Disc Using The Touchscreen Radio

1. Insert the DVD/Blu-ray Disc with the label facing as indicated on the DVD/Blu-ray Disc player. The radio automatically selects the appropriate mode after the disc is recognized and displays the menu screen or starts playing the first track.
2. To watch a DVD/Blu-ray Disc on Rear 1 (driver's side rear passenger), ensure the Remote Control and Headphone channel selector switch is on Rear 1.

3. To watch a DVD/Blu-ray Disc on Rear 2 (passenger's side rear passenger), ensure the Remote Control and Headphone channel selector switch is on Rear 2.

Using The Remote Control

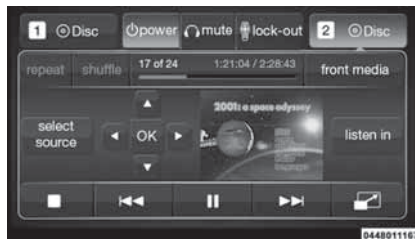
1. Push the SOURCE button on the Remote Control.
2. While looking at Rear 1 or 2, highlight DISC by either pushing Up/Down/Left/Right buttons, then push ENTER/OK.



Select DISC Mode On The Rear Seat Entertainment Screen

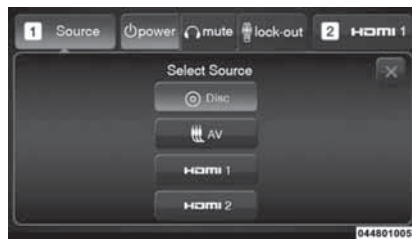
Using The Touchscreen Radio Controls

1. Press the Media button on the Uconnect radio touchscreen.
2. Press the Rear Media button to display the Rear Media Control screen.



Rear Media Control Screen

3. Press the 1 or 2 buttons on the touchscreen, and the select source button on the touchscreen. Press the DISC button on the touchscreen in the MEDIA column. To exit, press the X at the top right of the screen.



Rear Seat Entertainment Source Screen

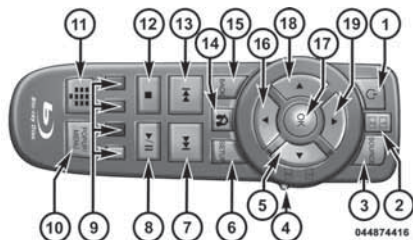
NOTE:

Pressing the screen on the radio while a DVD or Blu-ray Disc is playing, brings up the basic remote control functions for DVD play such as scene selection, Play, Pause, FF, RW, and Stop. Pressing the X in the upper corner will turn OFF the remote control screen functions.

Important Notes For Dual Video Screen System

- The Rear Seat Entertainment System is able to transmit two channels of stereo audio and video simultaneously.
- The Blu-ray Disc Player can play CDs, DVDs and Blu-ray Discs.
- When selecting a video source on Rear 1, the video source will display on Rear 1 and can be heard on Rear 1.
- When selecting a video source on Rear 2, the video source will display on Rear 2 and can be heard on Rear 2.
- Audio can be heard through the headphones even when the screen(s) are closed.

Blu-ray Disc Player Remote Control — If Equipped



Blu-ray Player Remote Control

Controls And Indicators

1. **Power** — Turns the screen and wireless headphone transmitter for the selected Channel on or off. To hear audio while the screen is closed, push the Power button to turn the headphone transmitter on.
2. **Channel Selector Indicators** — When a button is pushed, the currently affected channel or channel button is illuminated momentarily.
3. **SOURCE** — Push to enter Source Selection screen.
4. **Channel/Screen Selector Switch** — Indicates which channel is being controlled by the remote control. When the selector switch is in the Rear 1 position, the remote controls the functionality of headphone Channel 1 (left screen). When the selector switch is in the Rear 2 position, the remote controls the functionality of headphone Channel 2 (right screen).
5. **►** — Push to navigate menus.
6. **SETUP** — Push to access the screen settings menu.
7. **►►►** — Push and hold to fast forward through the current audio track or video chapter.
8. **► / || (Play/Pause)** — Begin/resume or pause disc play.
9. **Four Colored Buttons** — Push to access Blu-ray Disc features.
10. **POPUP/MENU** — Push to bring up repeat and shuffle options, the Blu-ray Disc popup menu, the DVD title menu, or to access disc menus.
11. **KEYPAD** — Push to navigate chapters or titles.
12. **■ (Stop)** — Stops disc play.
13. **◀◀◀** — Push and hold to fast rewind through the current audio track or video chapter.
14. **🔇** — Mutes headphone audio.
15. **BACK** — Push to exit out of menus or return to source selection screen.
16. **▼** — Push to navigate menus.
17. **OK** — Push to select the highlighted option in a menu.
18. **◀** — Push to navigate menus.
19. **▲** — Push to navigate menus.

Replacing The Remote Control Batteries

The remote control requires two AAA batteries for operation. To replace the batteries:

1. Locate the battery compartment on the back of the remote, then slide the battery cover downward.
2. Replace the batteries, making sure to orient them according to the polarity diagram shown.
3. Replace the battery compartment cover.

Headphones Operation

The headphones receive two separate channels of audio using an infrared transmitter from the video screen.

If no audio is heard after increasing the volume control, verify that the screen is turned on, the channel is not muted and the headphone channel selector switch is on the desired channel. If audio is still not heard, check that fully charged batteries are installed in the headphones.



Rear Seat Entertainment Headphones

- 1 — Power Button
- 2 — Volume Control
- 3 — Channel Selection Switch

Controls

The headphone power indicator and controls are located on the right ear cup.

NOTE:

The rear video system must be turned on before sound can be heard from the headphones. To conserve battery life, the headphones will automatically turn off approxi-

mately three minutes after the rear video system is turned off.

Changing the Audio Mode for Headphones

1. Ensure the Remote Control channel/screen selector switch is in the same position as the headphone selector switch.

NOTE:

- When both the headphone and the remote control channel selector switches are on Channel 1, the Remote is controlling Channel 1 and the headphones are tuned to the audio on Channel 1.
 - When both the headphone and the remote control channel selector switches are on Channel 2, the Remote is controlling Channel 2 and the headphones are tuned to the audio on Channel 2.
2. Push the SOURCE button on the remote control.
 3. Pushing the SOURCE button will advance to the next mode.

4. When the Mode Selection menu appears on screen, use the cursor buttons on the remote control to navigate to the available modes and push the OK button to select the new mode.
5. To cancel out of the Mode Selection menu, push the BACK button on the remote control.

Replacing The Headphone Batteries

Each set of headphones requires two AAA batteries for operation. To replace the batteries:

1. Locate the battery compartment on the left ear cup of the headphones, and then slide the battery cover downward.
2. Replace the batteries, making sure to orient them according to the polarity diagram shown.
3. Replace the battery compartment cover.

Unwired Stereo Headphone Lifetime Limited Warranty

Who Does This Warranty Cover? This warranty covers the initial user or purchaser ("you"

or "your") of this particular Unwired Technology LLC ("Unwired") wireless headphone ("Product"). The warranty is not transferable.

How Long Does the Coverage Last? This warranty lasts as long as you own the Product.

What Does This Warranty Cover? Except as specified below, this warranty covers any Product that in normal use is defective in workmanship or materials.

What Does This Warranty Not Cover? This warranty does not cover any damage or defect that results from misuse, abuse or modification of the Product other than by Unwired. Foam earpieces, which will wear over time through normal use, are specifically not covered (replacement foam is available for a nominal charge). UNWIRED TECHNOLOGY IS NOT LIABLE FOR ANY INJURIES OR DAMAGES TO PERSONS OR PROPERTY RESULTING FROM THE USE OF, OR ANY FAILURE OR DEFECT IN, THE PRODUCT, NOR IS UNWIRED LIABLE FOR ANY GENERAL, SPECIAL, DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, PUNITIVE OR OTHER DAMAGES OF ANY KIND OR NA-

TURE WHATSOEVER. Some states and jurisdictions may not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights. You may also have other rights, which vary from jurisdiction to jurisdiction.

What Will Unwired Do? Unwired, at its option, will repair or replace any defective Product. Unwired reserves the right to replace any discontinued Product with a comparable model. THIS WARRANTY IS THE SOLE WARRANTY FOR THIS PRODUCT, SETS FORTH YOUR EXCLUSIVE REMEDY REGARDING DEFECTIVE PRODUCTS, AND IS IN LIEU OF ALL OTHER WARRANTIES (EXPRESS OR IMPLIED), INCLUDING ANY WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

If you have any questions or comments regarding your Unwired wireless headphones, please phone 1-888-293-3332 or email customersupport@unwiredtechnology.com.

You may register your Unwired wireless headphones by phone at 1-888-293-3332.

System Information

Disc Menu

When listening to a CD Audio or CD Data disc, pushing the remote control's POP UP/MENU button displays a list of all commands which control playback of the disc.

Display Settings



Video Screen Display Settings

When watching a video source (Blu-ray Disc or DVD Video with the disc in Play mode, Aux Video, etc.), pushing the remote control's SETUP button activates the Display Settings menu. These settings control the appearance of

the video on the screen. The factory default settings are already set for optimum viewing, so there is no need to change these settings under normal circumstances.

To change the settings, push the remote control's navigation buttons (▲, ▼) to select an item, then push the remote control's navigation buttons (►, ◄) to change the value for the currently selected item. To reset all values back to the original settings, select the Default Settings menu option and push the remote control's ENTER/OK button.

Disc Features control the remote Blu-ray Disc player's settings of DVD being watched in the remote player.

Listening To Audio With The Screen Closed

To listen to only audio portion of the channel with the screen closed:

- Set the audio to the desired source and channel.
- Close the video screen.
- To change the current audio mode, push the remote control's SOURCE button. This will

automatically select the next available audio mode without using the Mode/Source Select menu.

- When the screen is reopened, the video screen will automatically turn back on and show the appropriate display menu or media.

If the screen is closed and there is no audio heard, verify that the headphones are turned on (the ON indicator is illuminated) and the headphone selector switch is on the desired channel. If the headphones are turned on, push the remote control's power button to turn audio on. If audio is still not heard, check that fully charged batteries are installed in the headphones.

Disc Formats

The Blu-ray Disc player is capable of the playing the following types of 4.7 in (12 cm) diameter discs :

- BD: BDMV (Profile 1.1), BDAV (Profile 1.1)
- DVD: DVD-Video, DVD-Audio, AVCREC, AVCHD, DVD-VR
- CD: CD-DA, VCD, CD-TEXT

- DVD/CD: MP3, WMA, AAC, DivX (versions 3 – 6) profile 3.0

DVD Region Codes

The Blu-ray Disc player and many DVD discs are coded by geographic region. These region codes must match in order for the disc to play. If the region code for the DVD disc does not match the region code for the player, the disc will not play.

DVD Audio Support

When a DVD-Audio disc is inserted in the Blu-ray Disc player, the DVD-Audio title on the disc is played by default (most DVD-Audio discs also have a Video title, but the Video title is ignored). All multi-channel program material is automatically mixed down to two channels, which may result in a lowered apparent volume level. If you increase the volume level to account for this change in level, remember to lower the volume before changing the disc or to another mode.

Recorded Discs

The Blu-ray Disc player will play CD-R and CD-RW discs recorded in CD-Audio or Video-CD format, or as a CD-ROM containing MP3 or WMA files. The player will also play DVD-Video content recorded to a DVD-R or DVD-RW disc. DVD-ROM discs (either pressed or recorded) are not supported.

If you record a disc using a personal computer, there may be cases where the Blu-ray Disc player may not be able to play some or the entire disc, even if it is recorded in a compatible format and is playable on other players. To help avoid playback problems, use the following guidelines when recording discs.

- Open sessions are ignored. Only sessions that are closed are playable.
- For multi-session CDs that contain only multiple CD-Audio sessions, the player will renumber the tracks so each track number is unique.

- For CD Data (or CD-ROM) discs, always use the ISO-9660 (Level 1 or Level 2), Joliet, or Romeo format. Other formats (such as UDF, HFS, or others) are not supported.
- The player recognizes a maximum of 512 files and 99 folders per CD-R and CD-RW disc.
- Mixed media recordable DVD formats will only play the Video_TS portion of the disc.

If you are still having trouble writing a disc that is playable in the Blu-ray Disc player, check with the disc recording software publisher for more information about burning playable discs.

The recommended method for labeling recordable discs (CD-R, CD-RW, and DVD-R) is with a permanent marker. Do not use adhesive labels as they may separate from the disc, become stuck, and cause permanent damage to the DVD player.

Compressed Audio Files (MP3 and WMA)

The Blu-ray Disc player is capable of playing MP3 (MPEG-1 Audio Layer 3) and WMA (Windows Media Audio) files from a CD Data disc (usually a CD-R or CD-RW).

- The Blu-ray Disc player always uses the file extension to determine the audio format, so MP3 files must always end with the extension ".mp3" or ".MP3" and WMA files must always end with the extension ".wma" or ".WMA". To prevent incorrect playback, do not use these extensions for any other types of files.
- For MP3 files, only version 1 ID3 tag data (such as artist name, track title, album, etc.) are supported.
- Any file that is copy protected (such as those downloaded from many online music stores) will not play. The Blu-ray player will automatically skip the file and begin playing the next available file.
- Other compression formats such as AAC, MP3 Pro, Ogg Vorbis, and ATRAC3 will not

play. The Blu-ray player will automatically skip the file and begin playing the next available file.

- If you are creating your own files, the recommended fixed bit rate for MP3 files is between 96 and 192Kbps and the recommended fixed bit rate for WMA files is between 64 and 192Kbps. Variable bit rates are also supported. For both formats, the recommended sample rate is either 44.1kHz or 48kHz.
- To change the current file, use the remote control's or Blu-ray Disc player's ▲ button to advance to the next file, or the ▼ button to return to the start of the current or previous file.

Disc Errors

If the Blu-ray Disc player is unable to read the disc, a "Disc Error" message is displayed on the rear screen and Radio displays. A dirty, damaged, or incompatible disc format are all potential causes for a "Disc Error" message.

If a disc has a damaged track which results in audible or visible errors that persists for two

seconds, the Blu-ray Disc player will attempt to continue playing the disc by skipping forward one to three seconds at a time. If the end of the disc is reached, the Blu-ray Disc player will return to the beginning of the disc and attempt to play the start of the first track.

The Blu-ray Disc player may shut down during extremely hot conditions, such as when the vehicle's interior temperature is above 120° F (48.9° C). When this occurs, the player will display "High Temp" and will shut off the Rear Seat displays until a safe temperature is reached. This shutdown is necessary to protect the optics of the Blu-ray Disc player.

Product Agreement

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home or other limited viewing uses otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.



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STEERING WHEEL AUDIO CONTROLS — IF EQUIPPED

The remote sound system controls are located on the rear surface of the steering wheel. Reach behind the wheel to access the switches.



Remote Sound System Controls (Back View Of Steering Wheel)

The right-hand control is a rocker-type switch with a push-button in the center and controls the volume and mode of the sound system. Pushing the top of the rocker switch will increase the volume, and pushing the bottom of the rocker switch will decrease the volume.

Pushing the center button will make the radio switch between the various modes available (AM/FM/CD/AUX/VES, etc.).

The left-hand control is a rocker-type switch with a push-button in the center. The function of the left-hand control is different depending on which mode you are in.

The following describes the left-hand control operation in each mode.

Radio Operation

Pushing the top of the switch will "Seek" up for the next listenable station and pushing the bottom of the switch will "Seek" down for the next listenable station.

The button located in the center of the left-hand control will tune to the next preset station that you have programmed in the radio preset button.

CD Player

Pushing the top of the switch once will go to the next track on the CD. Pushing the bottom of the switch once will go to the beginning of the current track, or to the beginning of the previous track if it is within one second after the current track begins to play.

If you push the switch up or down twice, it plays the second track; three times, it will play the third, etc.

CD/DVD DISC MAINTENANCE

To keep a CD/DVD in good condition, take the following precautions:

1. Handle the disc by its edge; avoid touching the surface.
2. If the disc is stained, clean the surface with a soft cloth, wiping from center to edge.
3. Do not apply paper or tape to the disc; avoid scratching the disc.
4. Do not use solvents such as benzene, thinner, cleaners, or anti-static sprays.

5. Store the disc in its case after playing.
6. Do not expose the disc to direct sunlight.
7. Do not store the disc where temperatures may become too high.

NOTE:

If you experience difficulty in playing a particular disc, it may be damaged (e.g., scratched, reflective coating removed, a hair, moisture or dew on the disc) oversized, or have protection encoding. Try a known good disc before considering disc player service.

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 relocating the mobile phone antenna. This condition is not harmful to the radio. If your radio performance does not satisfactorily "clear" by the repositioning of the antenna, it is recommended

that the radio volume be turned down or off during mobile phone operation when not using Uconnect (if equipped).

CLIMATE CONTROLS

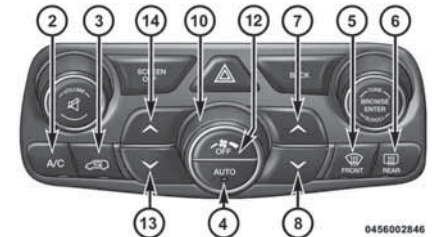
The air conditioning and heating system is designed to make you comfortable in all types of weather. This system can be operated through either the controls on the instrument panel or through the Uconnect system display.

When the Uconnect system is in different modes (Radio, Player, Settings, More, etc.), the driver and passenger temperature settings will be indicated at the top of the display.

General Overview

Buttons On The Faceplate

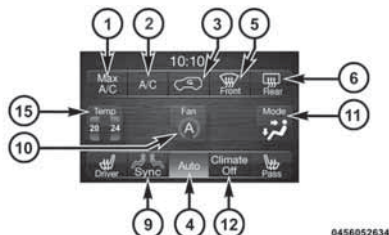
The buttons on the faceplate are located below the Uconnect screen.



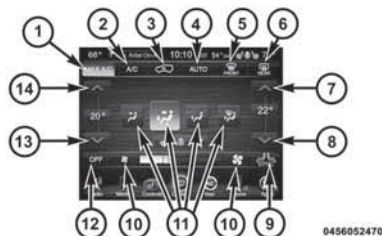
Automatic Climate Controls — Buttons On The Faceplate

Buttons On The Touchscreen

The buttons on the touchscreen are accessible on the Uconnect system screen.



Uconnect 5.0 Automatic Temperature Controls
— Buttons On The Touchscreen



Uconnect 8.4 Automatic Temperature Controls
— Buttons On The Touchscreen

Button Descriptions (Applies To Both The Buttons On The Faceplate And The Buttons On The Touchscreen)

1. MAX A/C Button

Press and release to change the current setting, the indicator illuminates when MAX A/C is ON. Performing this function again will cause the MAX A/C operation to switch into manual mode and the MAX A/C indicator will turn off.

2. A/C Button

Press and release to change the current setting, the indicator illuminates when A/C is ON. Performing this function again will cause the A/C operation to switch into manual mode and the A/C indicator will turn off.

3. Recirculation Button

Press and release to change the current setting, the indicator illuminates when ON.

4. AUTO Operation Button

Automatically controls the interior cabin temperature by adjusting airflow distribution and amount. Performing this function will cause the

system to switch between manual mode and automatic modes. Refer to "Automatic Operation" for more information.

5. Front Defrost Button

Press and release to change the current airflow setting to Defrost mode. The indicator illuminates when this feature is ON. Air comes from the windshield and side window demist outlets. When the defrost button is selected, the blower level will increase. Use Defrost mode with maximum temperature settings for best windshield and side window defrosting and defogging. Performing this function will cause the ATC to switch into manual mode. If the front defrost mode is turned off the climate system will return the previous setting.

6. Rear Defrost Button

Press and release this button to turn on the rear window defroster and the heated outside mirrors (if equipped). An indicator will illuminate 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.

7. Passenger Temperature Control Up Button

Provides the passenger with independent temperature control. Push the button on the faceplate for warmer temperature settings or on the touchscreen, press and slide the temperature

bar towards the red arrow button on the touchscreen for warmer temperature settings.

NOTE:

Pressing this button while in Sync mode will automatically exit Sync.

8. Passenger Temperature Control Down Button

Provides the passenger with independent temperature control. Push the button on the faceplate for cooler temperature settings or on the touchscreen, press and slide the temperature bar towards the blue arrow button on the touchscreen for cooler temperature settings.

NOTE:

Pressing this button while in Sync mode will automatically exit Sync.

9. SYNC

Press the Sync button on the touchscreen to toggle the Sync feature On/Off. The Sync indicator is illuminated when this feature is enabled. Sync is used to synchronize the passenger temperature setting with the driver temperature

setting. Changing the passenger temperature setting while in Sync will automatically exit this feature.

10. Blower Control

Blower control is used to regulate the amount of air forced through the climate 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 buttons on the touchscreen as follows:

Blower Control Knob On The 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.

Button On The 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.

11. Modes

The airflow distribution mode can be adjusted so air comes from the instrument panel outlets, floor outlets, and demist outlets. The Mode settings are as follows:

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 comes from the floor, defrost and side window demister outlets. This mode works best in cold or snowy conditions.

12. Climate Control OFF Button

Press and release this button to turn the Climate Control ON/OFF.

13. Driver Temperature Control Down Button

Provides the driver with independent temperature control. Push the button on the faceplate for cooler temperature settings or on the touch-

screen, press and slide the temperature bar towards the blue arrow button on the touchscreen for cooler temperature settings.

NOTE:

In Sync mode, this button will also automatically adjust the passenger temperature setting at the same time.

14. Driver Temperature Control Up Button

Provides the driver with independent temperature control. Push the button on the faceplate for warmer temperature settings or on the touchscreen, press and slide the temperature bar towards the red arrow button on the touchscreen for warmer temperature settings.

NOTE:

In Sync mode, this button will also automatically adjust the passenger temperature setting at the same time.

15. Temperature Control (5.0 Radio Only)

Press the temperature button on the touchscreen to regulate the temperature of the air inside the passenger compartment. Moving the temperature bar into the red area, indicates

warmer temperatures. Moving the temperature bar into the blue area indicates cooler temperatures.

Climate Control Functions

A/C (Air Conditioning)

The Air Conditioning (A/C) button allows the operator to manually activate or deactivate the air conditioning system. When the air conditioning system is turned on, cool dehumidified air will flow through the outlets into the cabin. For improved fuel economy, press the A/C button to turn off the air conditioning and manually adjust the blower and airflow mode settings. Also, make sure to select only Panel, Bi-Level or Floor modes.

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 adjust 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 behind the radiator and through the condenser. Fabric front fascia protectors may reduce airflow to the condenser, reducing air conditioning performance.**

MAX A/C

MAX A/C sets the control for maximum cooling performance.

Press and release to toggle between MAX A/C and the prior settings. The button on the touchscreen illuminates when MAX A/C is ON.

In MAX A/C, the blower level and mode position can be adjusted to desired user settings. Pressing other settings will cause the MAX A/C operation to switch to the prior settings and the MAX A/C indicator will turn off.

Recirculation



When outside air contains smoke, odors, or high humidity, or if rapid cooling is desired, you may wish to recirculate interior air by pressing the Recirculation control button.

The recirculation indicator will illuminate when this button is selected. Press the button a second time to turn off the Recirculation mode and allow outside air into the vehicle.

NOTE:

In cold weather, use of Recirculation mode may lead to excessive window fogging. The recirculation feature may be unavailable (button on the touchscreen greyed out) if conditions exist that could create fogging on the inside of the windshield. On systems with Manual Climate Controls, the Recirculation mode is not allowed in Defrost mode to improve window clearing operation. Recirculation will be disabled automatically if this mode is selected. Attempting to use Recirculation while in this mode will cause

the LED in the control button to blink and then turn off.

Automatic Temperature Control (ATC)

Automatic Operation

1. Push the AUTO button on the faceplate or press the “AUTO” button on the touchscreen.
2. Adjust the temperature you would like the system to maintain by adjusting the driver and passenger temperature buttons on the faceplate or buttons on the touchscreen. Once the desired temperature is displayed, the system will achieve and automatically maintain that comfort level.
3. When the system is set up for your comfort level, it is not necessary to change the temperature. You will experience the greatest efficiency by simply allowing the system to function automatically.

NOTE:

- It is not necessary to move the temperature settings. The system automatically adjusts the temperature, mode, and blower speed to provide comfort as quickly as possible.
- The temperature can be displayed in U.S. or Metric units by selecting the Uconnect customer-programmable feature. Refer to the “Uconnect Settings” in this section of the manual.

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

The system allows for manual selection of blower speed, air distribution mode, A/C status and recirculation control.

The blower fan speed can be set to any fixed speed by adjusting the blower control. The fan will now operate at a fixed speed until additional speeds are selected. This allows the front oc-

cupants to control the volume of air circulated in the vehicle and cancel the Auto mode.

The operator can also select the direction of the airflow by selecting one of the available mode settings. A/C operation and Recirculation control can also be manually selected in Manual operation.

NOTE:

Each of these features operates independently from each other. If any feature is controlled manually, temperature control will continue to operate automatically.

Operating Tips

NOTE:

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. A solution of 50% OAT (Organic Additive Technology) coolant that

meets the requirements of FCA Material Standard MS.90032 and 50% water is recommended. Refer to “Maintenance Procedures” in “Maintaining Your Vehicle” for proper coolant selection.

Winter Operation

Use of the air Recirculation mode during winter months is not recommended because it may cause window fogging.

Vacation Storage

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.

Window Fogging

Interior fogging on the windshield can be quickly removed by turning the mode selector to Defrost. The Defrost/Floor mode can be used to maintain a clear windshield and provide sufficient heating. If side window fogging becomes objectionable, increase blower speed to improve airflow and clearing of the side windows. Vehicle windows tend to fog on the inside in mild but rainy or humid weather.

NOTE:

- **Recirculate without A/C should not be used for long periods, as fogging may occur.**
- **Automatic Temperature Controls (ATC) will automatically adjust the climate control settings to reduce or eliminate window fogging on the front windshield. When this occurs, recirculation will be unavailable.**

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 plenum, they could plug the water drains. In winter months, make sure the air intake is clear of ice, slush, and snow.

A/C Air Filter

The climate control system filters outside air containing dust, pollen and some odors. Strong odors cannot be totally filtered out. Refer to “Maintenance Procedures” in “Maintaining Your Vehicle” for filter replacement instructions.

Control Setting Suggestions For Various Weather Conditions

WEATHER	CONTROL SETTINGS
Hot weather and vehicle interior is very hot 	Set the mode control to , A/C on, and blower on high. Roll down the windows for a minute to flush out the hot air. Once comfort is achieved adjust controls for comfort.
Warm Weather 	Turn A/C on and set the mode control to the  position.
Cool Sunny	Operate in  position.
Cool & Humid conditions 	Set the mode control to  and turn on A/C to keep windows clear.
Cold Weather	Set the mode control to the  position. If windshield fogging starts to occur, move the control towards the  position.

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PERSONALIZED MENU BAR

The Uconnect features and services in the main menu bar are easily changed for your convenience. Simply follow these steps:



Uconnect 8.4A/8.4AN Main Menu

1. Press the “Apps”  button to open the App screen.
2. Press and hold, then drag the selected App to replace an existing shortcut in the main menu bar.

The replaced shortcut will now be an active App/shortcut on the main menu bar.

UCONNECT VOICE RECOGNITION QUICK TIPS

Introducing Uconnect

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 Uconnect 5.0 or 8.4A/8.4AN system.



Uconnect 5.0



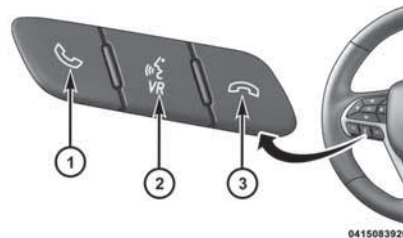
Uconnect 8.4AN

Get Started

All you need to control your Uconnect system with your voice are the buttons on your steering wheel.

1. Visit UconnectPhone.com to check mobile device and feature compatibility and to find phone pairing instructions.
2. Reduce background noise. Wind 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 positioned on the rearview mirror 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.
5. You can interrupt the help message or system prompts by pushing the VR or Phone button and saying a Voice Command from current category.



Uconnect Voice Command Buttons

- 1 — Push To Initiate Or To Answer A Phone Call, Send Or Receive A Text
 2 — For All Radios: Push To Begin Radio Or Media functions. For 8.4A/8.4AN Only: Push To Begin Navigation, Apps And Climate Functions.
 3 — Push To End Call

Basic Voice Commands

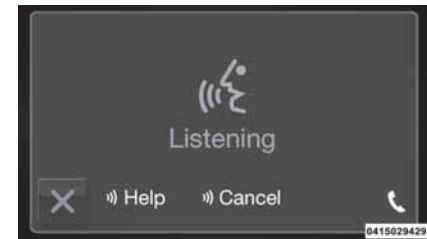
The basic Voice Commands below can be given at any point while using your Uconnect system.

Push the VR button . 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. Cues appear on the touchscreen.



Uconnect 5.0



Uconnect 8.4A/8.4AN

Radio

Use your voice to quickly get to the AM or FM radio stations you would like to hear.

Push the VR button . After the beep, say...

- **Tune to** ninety-five-point-five FM
- **Tune to** Satellite Channel Hits 1

TIP: At any time, if you are not sure of what to say or want to learn a Voice Command, push the VR button  and say **“Help.”** The system will provide you with a list of commands.



Uconnect 5.0 Radio



Uconnect 8.4A/8.4AN Radio

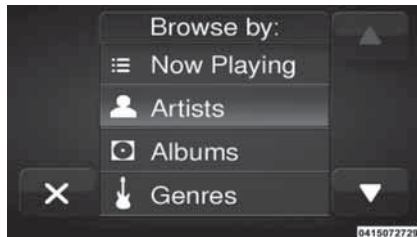
Media

Uconnect offers connections via USB, SD, Bluetooth and auxiliary ports (If Equipped). Voice operation is only available for connected USB and AUX devices. (Remote CD player optional and not available on all vehicles.)

Push the VR button . After the beep, say one of the following commands and follow the prompts to switch your media source or choose an artist.

- **Change source** to Bluetooth
- **Change source** to AUX
- **Change source** to USB
- **Play artist** Beethoven; **Play album** Greatest Hits; **Play song** Moonlight Sonata; **Play genre** Classical

TIP: Press the Browse button on the touch-screen to see all of the music on your AUX or USB device. Your Voice Command must match **exactly** how the artist, album, song and genre information is displayed.



Uconnect 5.0 Media



Uconnect 8.4A/8.4AN Media

Phone

Making and answering hands-free phone calls is easy with Uconnect. When the Phonebook button is illuminated on your touchscreen, your system is ready. Check UconnectPhone.com for mobile phone compatibility and pairing instructions.

Push the Phone button . After the beep, say one of the following commands...

- **Call** John Smith
- **Dial** 123-456-7890 and follow the system prompts
- **Redial** (call previous outgoing phone number)
- **Call back** (call previous incoming phone number)

TIP: When providing a Voice Command, push the Phone button  and say “**Call**,” then pronounce the name **exactly** as it appears in your phone book. When a contact has multiple phone numbers, you can say “**Call** John Smith **work**.”



Uconnect 5.0 Phone



Uconnect 8.4A/8.4AN Phone

Voice Text Reply

Uconnect will announce **incoming** text messages. Push the Phone button  and say **Listen**. (Must have compatible mobile phone paired to Uconnect system.)

1. Once an incoming text message is read to you, push the Phone button . After the beep, say: **“Reply.”**
2. Listen to the Uconnect prompts. After the beep, repeat one of the pre-defined messages and follow the system prompts.

PRE-DEFINED VOICE TEXT REPLY RESPONSES		
Yes.	Stuck in traffic.	See you later.
No.	Start with-out me.	I'll be late.
Okay.	Where are you?	I will be <number> minutes late.
Call me.	Are you there yet?	

PRE-DEFINED VOICE TEXT REPLY RESPONSES		
I'll call you later.	I need di-rections.	See you in <number> of minutes.
I'm on my way.	Can't talk right now.	Thanks.
I'm lost.		

TIP: Your mobile phone must have the full implementation of the **Message Access Profile (MAP)** to take advantage of this feature. For details about MAP, visit UconnectPhone.com.

Apple iPhone iOS 6 or later supports reading **incoming** text messages only. To enable this feature on your Apple iPhone, follow these 4 simple steps:



iPhone Notification Settings

- 1 — Select “Settings”
- 2 — Select “Bluetooth”
- 3 — Select the (i) for the paired vehicle
- 4 — Turn on “Show Notifications”

TIP: Voice Text Reply is not compatible with iPhone, but if your vehicle is equipped with Siri Eyes Free, you can use your voice to send a text message.

Climate (8.4A/8.4AN)

Too hot? Too cold? Adjust vehicle temperatures hands-free and keep everyone comfortable while you keep moving ahead. (If vehicle is equipped with climate control.)

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

- **Set driver temperature to 70 degrees**
- **Set passenger temperature to 70 degrees**

TIP: 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.



Uconnect 8.4A/8.4AN Climate

Navigation (8.4A/8.4AN)

The Uconnect navigation feature helps you save time and become more productive when you know exactly how to get to where you want to go. (Navigation is optional on the Uconnect 8.4A system. See your dealer to activate navigation at any time.)

1. To enter a destination, push the VR button . After the beep, say:
 - For the 8.4A Uconnect System, say: “**Enter state.**”

- For the 8.4AN Uconnect System, say: “**Find address** 800 Chrysler Drive Auburn Hills, Michigan.”

2. Then follow the system prompts.

TIP: To start a POI search, push the VR button . After the beep, say: “**Find nearest** coffee shop.”



Uconnect 8.4A/8.4AN Navigation

Siri Eyes Free — If Equipped

If your vehicle is equipped with Siri Eyes Free, you can use your voice to send text messages, schedule meetings, set reminders, and more. For further information go to the Mopar Owner Connect website moparownerconnect.com.

Do Not Disturb

With Do Not Disturb, you can disable notifications from incoming calls and texts, allowing you to keep your eyes on the road and hands on the wheel. For your convenience, there is a counter display to keep track of your missed calls and text messages while you were using Do Not Disturb.

Do Not Disturb can automatically reply with a text message, a call or both, when declining an incoming call and send it to voicemail.

Automatic reply messages can be:

- “I am driving right now, I will get back to you shortly.”
- Create a custom auto reply message up to 160 characters.

NOTE:

Only the first 25 characters can be seen on the touchscreen while typing a custom message.

While in Do Not Disturb, Conference Call can be selected so you can still place a second call without being interrupted by incoming calls.

NOTE:

- **Reply with text message is not compatible with iPhones.**
- **Auto reply with text message is only available on phones that supporting Bluetooth MAP.**

Additional Information

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STARTING AND OPERATING

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STARTING PROCEDURES

Before starting your vehicle, adjust your seat, adjust the inside and outside mirrors, fasten your seat belt, and if present, instruct all other occupants to buckle their seat belts.

WARNING!

- When leaving the vehicle, always make sure the keyless ignition node is in "OFF" mode, 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. 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 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 (of a

(Continued)

WARNING! (Continued)

- vehicle equipped with Keyless Enter-N-Go) in the ACC or ON/RUN mode. 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 build-up may cause serious injury or death.

Automatic Transmission

The gear selector must be in the NEUTRAL or PARK position before you can start the engine. Apply the brakes before shifting into any driving gear.

CAUTION!

- Damage to the transmission may occur if the following precautions are not observed:
- Do not shift from REVERSE, PARK, or NEUTRAL into any forward gear when the engine is above idle speed.

(Continued)

CAUTION! (Continued)

- Shift into PARK only after the vehicle has come to a complete stop.
- Shift into or out of REVERSE only after the vehicle has come to a complete stop and the engine is at idle speed.
- Before shifting into any gear, make sure your foot is firmly on the brake pedal.

Using Fob With Integrated Key (Tip Start)

NOTE:

Normal starting of either a cold or a warm engine is obtained without pumping or pressing the accelerator pedal.

Do not press the accelerator. Use the Fob with Integrated Key to briefly place the ignition in the START position and release it as soon as the starter engages. The starter motor will continue to run, and it will disengage automatically when the engine is running. If the engine fails to start, the starter will disengage automatically in 10 seconds. If this occurs, place the ignition in the LOCK/OFF position, wait 10 to 15 seconds, then repeat the "Normal Starting" procedure.

Keyless Enter-N-Go



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.

Keyless Enter-N-Go Functions — With Driver's Foot OFF The Brake Pedal/Clutch Pedal (In PARK Or NEUTRAL Position)

The Keyless Enter-N-Go feature operates similar to an ignition switch. It has three positions, OFF, ACC and RUN. To change the ignition switch positions without starting the vehicle and use the accessories, follow these steps starting with the ignition switch in the OFF position:

1. Push the ENGINE START/STOP button once to change the ignition switch to the ACC position,
2. Push the ENGINE START/STOP button a second time to change the ignition switch to the RUN position,
3. Push the ENGINE START/STOP button a third time to return the ignition switch to the OFF position.

Normal Starting

To Turn On The Engine Using The ENGINE START/STOP Button

1. The transmission must be in PARK or NEUTRAL.
2. Press and hold the brake pedal while pushing the ENGINE START/STOP button once.
3. The system takes over and attempts to start 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.

NOTE:

Normal starting of either a cold or a warm engine is obtained without pumping or pressing the accelerator pedal.

To Turn Off The Engine Using ENGINE START/STOP Button

1. Place the gear selector in PARK, then push and release the ENGINE START/STOP button.
2. The ignition switch will return to the OFF position.
3. 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 switch position 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, the DID will display a "Vehicle Not In Park" message and the en-

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gine will remain running. Never leave a vehicle out of the PARK position, or it could roll.

4. If the gear selector is in Neutral, push and release the ENGINE START/STOP button with the vehicle speed below 5 mph (8 km/h) before the engine will shut off. The ignition switch position will remain in the ACC position.

NOTE:

If the ignition switch is left in the ACC or RUN (engine not running) position and the transmission is in PARK, the system will automatically time out after 30 minutes of inactivity and the ignition will switch to the OFF position.

Extreme Cold Weather (Below –22°F Or –30°C)

To ensure reliable starting at these temperatures, use of an externally powered electric engine block heater (available from your authorized dealer) is recommended.

If Engine Fails To Start

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. Refer to “Jump-Starting” in “What To Do In Emergencies” for further information.

Clearing A Flooded Engine (Using ENGINE START/STOP Button)

If the engine fails to start after you have followed the “Normal Starting” or “Extreme Cold Weather” procedures, it may be flooded. To clear any excess fuel:

1. Press and hold the brake pedal.
2. Press the accelerator pedal all the way to the floor and hold it.
3. Push and release the ENGINE START/STOP button once.

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.

After Starting

The idle speed is controlled automatically, and it will decrease as the engine warms up.

Normal Starting — Diesel Engine

Before starting your vehicle, adjust your seat, both inside and outside mirrors, and fasten your seat belts.

The starter is allowed to crank for up to 30-second intervals. Waiting a few minutes between such intervals will protect the starter from overheating.

WARNING!

- Before exiting a vehicle, always shift the automatic transmission into PARK and apply the parking brake. Always make sure the keyless ignition node is in the “OFF” mode, 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. 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

(Continued)

WARNING! (Continued)

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 mode. 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 build-up may cause serious injury or death.

NOTE:

Engine start up in very low ambient temperature could result in evident white smoke. This condition will disappear as the engine warms up.

CAUTION!

- The engine is allowed to crank as long as 30 seconds. If the engine fails to start during this period, please wait at least two minutes for the starter to cool before repeating start procedure.
- If the “Water in Fuel Indicator Light” remains on, DO NOT START engine before you drain the water from the fuel filters to avoid engine damage. Refer to “Maintenance Procedures/Draining Fuel/Water Separator Filter” in “Maintaining Your Vehicle” for further information.

Normal Starting Procedure — Keyless Enter-N-Go

Observe the instrument panel cluster lights when starting the engine.

NOTE:

Normal starting of either a cold or a warm engine is obtained without pumping or pressing the accelerator pedal.

1. Always apply the parking brake.

2. Press and hold the brake pedal while pushing the ENGINE START/STOP button once.

NOTE:

A delay of the start of up to five seconds is possible under very cold conditions. The “Wait to Start” telltale will be illuminated during the pre-heat process, When the engine Wait To Start light goes off the engine will automatically crank.

CAUTION!

If the “Water in Fuel Indicator Light” remains on, DO NOT START the engine before you drain the water from the fuel filters to avoid engine damage. Refer to “Maintenance Procedures/Draining Fuel/Water Separator Filter” in “Maintaining Your Vehicle” for further information.

3. The system will automatically engage the starter to crank the engine. If the vehicle fails to start, the starter will disengage automatically after 30 seconds.

4. If you wish to stop the cranking of the engine prior to the engine starting, push the button again.
5. Check that the oil pressure warning light has turned off.
6. Release the parking brake.

Starting Fluids

The engine is equipped with a glow plug pre-heating system. If the instructions in this manual are followed, the engine should start in all conditions and no type of starting fluid should be used.

WARNING!

- Do not leave children or animals inside parked vehicles in hot weather. Interior heat build up may cause serious injury or death.
- When leaving the vehicle, always make sure the keyless ignition node is in the

(Continued)

WARNING! (Continued)

“OFF” mode, 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 mode. A child could operate power windows, other controls, or move the vehicle.

NORMAL OPERATION — DIESEL ENGINE

Observe the following when the diesel engine is operating.

- All message center lights are off.
- Malfunction Indicator Light (MIL) is off.
- Engine Oil Pressure telltale is not illuminated.
- Voltmeter operation:

The voltmeter may show a gauge fluctuation at various engine temperatures. This is caused by the glow plug heating system. The number of cycles and the length of the cycling operation is controlled by the engine control module. Glow plug heater operation can run for several minutes, once the heater operation is complete the voltmeter needle will stabilize.

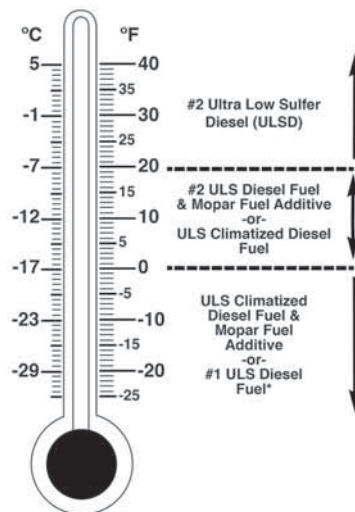
Cold Weather Precautions

Operation in ambient temperature below 32°F (0°C) may require special considerations. The following charts suggest these options:

Fuel Operating Range

NOTE:

Use “Ultra Low Sulfur Diesel Fuels” ONLY.



Fuel Operating Range Chart

0563090798US

*No. 1 Ultra Low Sulfur Diesel Fuel should only be used where extended arctic conditions (0°F/-18°C) exist”.

NOTE:

- **Use of Climatized Ultra Low Sulfur Diesel Fuel or Number 1 Ultra Low Sulfur Diesel Fuel results in a noticeable decrease in fuel economy.**
- **Climatized Ultra Low Sulfur Diesel Fuel is a blend of Number 2 Ultra Low Sulfur and Number 1 Ultra Low Sulfur Diesel Fuels which reduces the temperature at which wax crystals form in fuel.**
- **The fuel grade should be clearly marked on the pump at the fuel station.**
- **The engine requires the use of “Ultra Low Sulfur Diesel Fuel”. Use of incorrect fuel could result in engine and exhaust system damage. Refer to “Fuel Requirements” in “Starting And Operating” for further information.**

- **If climatized or diesel Number 1 ULSD fuel is not available, and you are operating below (20°F/-6°C), in sustained arctic conditions, Mopar Premium Diesel Fuel Treatment (or equivalent) is recommended to avoid gelling (see Fuel Operating Range Chart).**

Engine Oil Usage

Refer to “Maintenance Procedures” in “Maintaining Your Vehicle” for the correct engine oil viscosity.

Engine Warm-Up

Avoid full throttle operation when the engine is cold. When starting a cold engine, bring the engine up to operating speed slowly to allow the oil pressure to stabilize as the engine warms up.

If temperatures are below 32°F (0°C), operate the engine at moderate speeds for five minutes before full loads are applied.

Engine Idling

Avoid prolonged idling, long periods of idling may be harmful to your engine because combustion chamber temperatures can drop so low that the fuel may not burn completely. Incomplete combustion allows carbon and varnish to form on piston rings, cylinder head valves, and injector nozzles. Also, the unburned fuel can enter the crankcase, diluting the oil and causing rapid wear to the engine.

Stopping The Engine

After full load operation, idle the engine for a few minutes before shutting it down. This idle period will allow the lubricating oil and coolant to carry excess heat away from the turbocharger.

NOTE:

Refer to the following chart for proper engine shutdown.

Driving Condition	Load	Turbocharger Temperature	Idle Time (min.) Before Engine Shutdown
Stop and Go	Empty	Cool	None
Stop and Go	Medium		0.5
Highway Speeds	Medium	Warm	1.0
City Traffic	Maximum GCWR		1.5
Highway Speeds	Maximum GCWR		2.0
Uphill Grade	Maximum GCWR	Hot	2.5

NOTE:

Under certain conditions the engine fan will run after the engine is turned off. These conditions are under high load and high temperature conditions.

Cooling System Tips — Automatic Transmission

To reduce the potential for engine and transmission overheating in high ambient temperature conditions, take the following actions:

- City Driving — When stopped, shift the transmission into NEUTRAL and increase engine idle speed.
- Highway Driving — Reduce your speed.

- Up Steep Hills — Select a lower transmission gear.
- Air Conditioning — Turn it off temporarily.

NOTE:

If the coolant temperature is too high the A/C will automatically turn off.

Do Not Operate The Engine With Low Oil Pressure

If the low oil pressure warning light turns on while driving, stop the vehicle and shut down the engine as soon as possible. A chime will sound when the light turns on.

NOTE:

Do not operate the vehicle until the cause is corrected. This light does not show how much oil is in the engine. The engine oil level must be checked under the hood.

CAUTION!

If oil pressure falls to less than normal readings, shut the engine off immediately. Failure to do so could result in immediate and severe engine damage.

Do Not Operate The Engine With Failed Parts

All engine failures give some warning before the parts fail. Be on the alert for changes in perfor-

mance, sounds, and visual evidence that the engine requires service. Some important clues are:

- Engine misfiring or vibrating severely.
- Sudden loss of power.
- Unusual engine noises.
- Fuel, oil or coolant leaks.
- Sudden change, outside the normal operating range, in the engine operating temperature.
- Excessive smoke.
- Oil pressure drop.

STOP/START SYSTEM — IF EQUIPPED

The Stop/Start function was developed to reduce fuel consumption. The system will stop the engine automatically during a vehicle stop if the required conditions are met. Releasing the brake pedal or pressing the accelerator pedal will automatically restart the engine.

Automatic Mode



The Stop/Start feature is enabled after every normal customer engine start. At that time, the system will go into STOP/START READY and if all other conditions are met, can go into a STOP/START AU-

TOSTOP ACTIVE “Autostop” mode.

To Activate The Autostop Mode, The Following Must Occur:

- The system must be in STOP/START READY state. A STOP/START READY message will be displayed in the Driver Information Display (DID) within the Stop/Start section. Refer to “Driver Information Display (DID)” in “Understanding Your Instrument Panel” for further information.
- The vehicle must be completely stopped.
- The shifter must be in a forward gear and the brake pedal depressed.

The engine will shut down, the tachometer will move to the zero position and the Stop/Start telltale will illuminate indicating you are in Au-

topstop. 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. Detailed information about the operation of the Stop/Start system may be viewed in the DID Stop/Start Screen. In the following situations, the engine will not stop:

- Driver's seat belt is not buckled.
- Driver's door is not closed.
- Battery temperature is too warm or cold.
- Battery charge is low.
- 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.
- HVAC set to MAX A/C.

- Engine has not reached normal operating temperature.
- The transmission is not in a forward gear.
- Hood is open.
- Vehicle is in 4LO transfer case mode.
- Brake pedal is not pressed with sufficient pressure.

Other Factors Which Can Inhibit Autostop Include:

- Accelerator pedal input.
- Engine temp too high.
- 5 MPH threshold not achieved from previous AUTOSTOP.
- Steering angle beyond threshold.
- ACC is on and speed is set.

It may be possible for the vehicle to be driven several times without the STOP/START system going into a STOP/START READY state under more extreme conditions of the items listed above.

To Start The Engine While In Autostop Mode

While in a forward gear, the engine will start when the brake pedal is released or the throttle pedal is depressed. The transmission will automatically re-engage upon engine restart.

Conditions That Will Cause The Engine To Start Automatically While In Autostop Mode:

- The transmission selector is moved out of DRIVE.
- To maintain cabin temperature comfort.
- HVAC is set to full defrost mode.
- HVAC system temperature or fan speed is manually adjusted.
- Battery voltage drops too low.
- Low brake vacuum (e.g. after several brake pedal applications).
- STOP/START OFF switch is pressed.
- A STOP/START system error occurs.
- 4WD system is put into 4LO mode.

To Manually Turn Off The Stop/Start System



STOP/START Off Switch

1. Push the STOP/START OFF switch (located on the switch bank). The light on the switch will illuminate.
2. The "STOP/START OFF" message will appear in Driver Information Display (DID). Refer to "Driver Information Display (DID)" in "Understanding Your Instrument Panel" for further information.

3. At the next vehicle stop (after turning off the STOP/START system), the engine will not be stopped.
4. The STOP/START system will reset itself back to an ON condition 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 Driver Information Display (DID). Refer to "Driver Information Display (DID)" in "Understanding Your Instrument Panel" for further information.

If the "SERVICE STOP/START SYSTEM" message appears in the DID, have the system checked by your authorized dealer.

AUTOMATIC TRANSMISSION

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 apply the parking brake, shift the transmission into PARK, and make sure the keyless ignition node is in the "OFF" mode. Remove the Key Fob from the vehicle, and lock the vehicle.

(Continued)

WARNING! (Continued)

When the keyless ignition is in the OFF mode, the transmission is locked in PARK, securing the vehicle against unwanted movement.

- 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.
- When leaving the vehicle, always make sure the keyless ignition node is in the "OFF" mode, remove the key fob from the vehicle and lock the vehicle.
- 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 mode. 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.

NOTE:

You must press and hold the brake pedal while shifting out of PARK.

Ignition Park Interlock

This vehicle is equipped with a Ignition Park Interlock which requires the transmission to be in PARK before the engine can be turned off. 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 switch is in the OFF position.

Brake/Transmission Shift Interlock System

This vehicle is equipped with a Brake Transmission Shift Interlock System (BTSI) that holds the 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.

Fuel Economy (ECO) Mode

The Fuel Economy (ECO) mode can improve the vehicle's overall fuel economy during normal driving conditions. Push the "ECO" switch in the center stack of the instrument panel to activate or disable ECO mode. An amber light on the switch indicates when ECO mode is disabled.



Fuel Economy Mode Switch

When the Fuel Economy (ECO) Mode is engaged, the vehicle control systems will change the following:

- The transmission will upshift sooner and downshift later.
- The overall driving performance will be more conservative.
- Some ECO mode functions may be temporarily inhibited based on temperature and other factors.

Active Noise Cancellation — Summit And SRT Models Only

Your vehicle is equipped with an Active Noise Cancellation System. This system uses four microphones embedded in the headliner to detect undesirable exhaust noise, which sometimes occurs when operating in ECO mode. An onboard frequency generator creates counter-acting sound waves through the audio system to help keep the vehicle quiet.

Eight-Speed Automatic Transmission

The transmission gear range (PRNDM) is displayed both on the gear selector bezel and in the Driver Information Display (DID). To select a gear range, press the lock button on the gear selector and move the lever rearward or forward. You must also press the brake pedal to shift the transmission out of PARK, or to shift from NEUTRAL into DRIVE or REVERSE when the vehicle is stopped or moving at low speeds (refer to “Brake/Transmission Shift Interlock System” in this section). Select the DRIVE range for normal driving.

The electronically-controlled transmission provides a precise shift schedule. 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 provides PARK, REVERSE, NEUTRAL, DRIVE and MANUAL (AutoStick) shift positions. Manual shifts can be made using the AutoStick shift control (refer to “AutoStick” in this section for further information). Toggling the gear selector forward (-) or rearward (+) while in the MANUAL (AutoStick) position (beside the DRIVE position), or tapping the shift paddles (+/-), will manually select the transmission gear, and will display the current gear in the instrument cluster.



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 [D]** position) for access to **PARK**, **REVERSE**, and **NEUTRAL**.

Gear Ranges

DO NOT race the engine 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 leaving the vehicle in this range.

When parking on a level surface, you may shift the transmission into **PARK** first, and then apply the parking brake.

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.

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.
- 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 leaving the vehicle.

(Continued)

WARNING! (Continued)

- 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 apply the parking brake, shift the transmission into PARK, turn the engine OFF, and remove the Key Fob. When the ignition is in the OFF mode, the transmission is locked in PARK, securing the vehicle against unwanted movement.

(Continued)

WARNING! (Continued)

- When leaving the vehicle, always make sure the ignition is in the OFF mode, 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 in the ACC or ON/RUN mode. A child could operate power windows, other controls, or move 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 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 engaged the transmission into the PARK position:

- When shifting into PARK, press the lock button on the gear selector and push the lever 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).
- With brake pedal released, verify that the gear selector will not move out of PARK.

NOTE:

If the gear selector cannot be moved to the **PARK** 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 [D]** position) for access to **PARK**, **REVERSE**, and **NEUTRAL**.

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 leave 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. Refer to "Recreational Towing" in "Starting And Operating" and "Towing A Disabled Vehicle" in "What To Do In Emergencies" for further information.

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. The **DRIVE**

position provides optimum driving characteristics under all normal operating conditions.

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), use the AutoStick shift control (refer to "AutoStick" in this section for further information) to select a lower gear. Under these conditions, using a lower gear 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.

MANUAL (M)

The **MANUAL (M, +/-)** position (beside the **DRIVE** position) enables full manual control of transmission shifting (also known as AutoStick mode; refer to "AutoStick" in this section for further information). Toggling the gear selector

forward (-) or rearward (+) while in the MANUAL (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 your 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 your authorized dealer at your earliest possible convenience. Your authorized dealer has diagnostic equipment to determine if the problem could recur.

If the transmission cannot be reset, authorized dealer service is required.

AutoStick

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 system can also provide you with more control during passing, city driving, cold slippery conditions, mountain driving, trailer towing, and many other situations.

Operation

To activate AutoStick mode, move the gear selector into the MANUAL (M) position (beside the DRIVE position), or tap one of the shift paddles 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. In AutoStick mode, you can use the gear selector (in the MANUAL position), or the shift paddles, to manually shift the transmission. Tapping the gear selector forward (-) while in the MANUAL (M) position, or tapping the (-) shift paddle on the steering wheel, will downshift the transmission to the next lower gear. Tapping the lever rearward (+) (or tapping the (+) shift paddle) will command an upshift.

NOTE:

The shift paddles may be disabled (or re-enabled, as desired) using the Uconnect Personal Settings.

In AutoStick mode, the transmission will shift up or down when (+/-) is manually selected by the driver (using the gear selector, or the shift paddles), unless an engine lugging or over-speed condition would result. It will remain in the selected gear until another upshift or downshift is chosen, except as described below.

- 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 4LO range, Snow mode, or Sand mode). Tapping (+) (at a stop) will allow starting in second gear. Starting out in second gear can be helpful in snowy or icy conditions.
- If a requested downshift would cause the engine to over-speed, that shift will not occur.
- The system will ignore attempts to upshift at too low of a vehicle speed.
- Holding the (-) paddle depressed 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 (+) shift paddle (if 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.

SPORT MODE — IF EQUIPPED

Your vehicle is equipped with a Sport Mode feature. This mode is a configuration set up for typical enthusiast driving. The engine, transmission, and steering systems are all set to their SPORT settings. Sport Mode will provide improved throttle response and modified shifting for an enhanced driving experience, as well the greatest amount of steering feel. This mode may be activated and deactivated by pushing the Sport button on the instrument panel switch bank.

FOUR-WHEEL DRIVE OPERATION

Quadra-Trac I Operating Instructions/Precautions — If Equipped

The Quadra-Trac I is a single-speed (HI range only) transfer case, which provides convenient full-time four-wheel drive. No driver interaction is required. The Brake Traction Control (BTC) System, which combines standard ABS and

Traction Control, provides resistance to any wheel that is slipping to allow additional torque transfer to wheels with traction.

NOTE:

The Quadra-Trac I system is not appropriate for conditions where 4WD LOW range is recommended. Refer to “Off-Road Driving Tips” in “Starting And Operating” for further information.

Quadra-Trac II Operating Instructions/Precautions — If Equipped

The Quadra-Trac II transfer case is fully automatic in the normal driving 4WD AUTO mode. The Quadra-Trac II transfer case provides three mode positions:

- 4WD HI
- NEUTRAL
- 4WD LOW

This transfer case is fully automatic in the 4WD HI mode.

When additional traction is required, the 4WD LOW position can be used to lock the front and rear driveshafts together and force the front and rear wheels to rotate at the same speed. The 4WD LOW position is intended for loose, slippery road surfaces only. Driving in the 4WD LOW position on dry, hard-surfaced roads may cause increased tire wear and damage to drive-line components.

When operating your vehicle in 4WD LOW, the engine speed is approximately three times that of the 4WD HI position 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 will adversely affect shifting and cause damage to the transfer case.

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.

WARNING!

You or others could be injured or killed if you leave the vehicle unattended with the transfer case in the NEUTRAL position without first fully engaging the parking brake. The transfer case NEUTRAL position disengages both the front and rear drive shafts 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.

Shift Positions

For additional information on the appropriate use of each 4WD system mode position, see the information below:

4WD AUTO

This range is used on surfaces such as ice, snow, gravel, sand, and dry hard pavement.

NOTE:

Refer to “Selec-Terrain – If Equipped” in “Starting And Operating” for further information on the various positions and their intended usages.

NEUTRAL

This range disengages the driveline from the powertrain. It is to be used for flat towing behind another vehicle. Refer to “Recreational Towing” in “Starting And Operating” for further information.

WARNING!

You or others could be injured or killed if you leave the vehicle unattended with the power transfer unit in the NEUTRAL (N) position without first fully engaging the parking brake. The NEUTRAL (N) position disengages both the front and rear driveshafts from the powertrain and will allow the vehicle to roll, even if the automatic transmission is in PARK (or manual transmission is in gear). The parking brake should always be applied when the driver is not in the vehicle.

4WD LOW

This range is for low speed four-wheel drive. It provides an additional gear reduction which allows for increased torque to be delivered to both the front and rear wheels while providing maximum pulling power for loose, slippery road surfaces only. Do not exceed 25 mph (40 km/h).

NOTE:

Refer to “Selec-Terrain – If Equipped” for further information on the various positions and their intended usages.

Shifting Procedures**4WD HI To 4WD LOW**

With the vehicle at speeds of 0 to 3 mph (0 to 5 km/h), the ignition switch in the ON position or the engine running, shift the transmission into “N”, and push the “4WD LOW” button once on the transfer case switch. The “4WD LOW” indicator light in the instrument cluster will begin to flash and remain on solid when the shift is complete.



Transfer Case Switch

NOTE:

If shift conditions/interlocks are not met, or a transfer case motor temperature protection condition exists, a “For 4x4 Low Slow Below 3 mph (5 km/h) Put Trans in N push 4 Low” message will flash from the Driver Information Display (DID). Refer to “Driver Information Display (DID)” in “Understanding Your Instrument Panel” for further information.

4WD LOW To 4WD HI

With the vehicle at speeds of 0 to 3 mph (0 to 5 km/h), the ignition switch in the ON position or the engine running, shift the transmission into

NEUTRAL, and push the “4WD LOW” button once on the transfer case switch. The “4WD LOW” indicator light in the instrument cluster will flash and go out when the shift is complete.

NOTE:

- If shift conditions/interlocks are not met, or a transfer case motor temperature protection condition exists, a “For 4x4 High Slow Below 3 mph (5 km/h) Put Trans in N push 4 Low” message will flash from the Driver Information Display (DID). Refer to “Driver Information Display (DID)” in “Understanding Your Instrument Panel” for further information.
- Shifting into or out of 4WD LOW is possible with the vehicle completely stopped; however, difficulty may occur due to the mating clutch teeth not being properly aligned. Several attempts may be required for clutch teeth alignment and shift completion to occur. The preferred method is with the vehicle rolling 0 to 3 mph (0 to 5 km/h). If the vehicle is moving faster than 3 mph (5 km/h), the transfer case will not allow the shift.

Shifting Into NEUTRAL (N)

WARNING!

You or others could be injured or killed if you leave the vehicle unattended with the transfer case in the NEUTRAL (N) position without first fully engaging the parking brake. The NEUTRAL (N) position disengages both the front and rear drive shafts 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.

1. Bring the vehicle to a complete stop, with the engine running.
2. Press and hold the brake pedal.
3. Shift the transmission into NEUTRAL.
4. If vehicle is equipped with Quadra-Lift air suspension, ensure the vehicle is set to Normal Ride Height.

- Using a ballpoint pen or similar object, push and hold the recessed transfer case NEUTRAL (N) button (located by the selector switch) for four seconds. The light behind the NEUTRAL (N) symbol will blink, indicating shift in progress. The light will stop blinking (stay on solid) when the shift to NEUTRAL (N) is complete. A "NEUTRAL" message will appear in the Driver Information Display (DID). Refer to "Driver Information Display (DID)" in "Understanding Your Instrument Panel" for further information.



NEUTRAL (N) Switch

- After the shift is completed and the NEUTRAL (N) light stays on, release the NEUTRAL (N) button.
- Shift the transmission into REVERSE.
- Release the brake pedal for five seconds and ensure that there is no vehicle movement.

NOTE:

If shift conditions/interlocks are not met, a "To Tow Vehicle Safely, Read Neutral Shift Procedure in Owners Manual" message will flash from the Driver Information Display (DID). Refer to "Driver Information Display (DID)" in "Understanding Your Instrument Panel" for further information.

Shifting Out Of NEUTRAL (N)

Use the following procedure to prepare your vehicle for normal usage.

- Bring the vehicle to a complete stop.
- Firmly apply the parking brake.
- Start the engine.

- Press and hold the brake pedal.
- Shift the transmission into NEUTRAL.
- Using a ballpoint pen or similar object, push and hold the recessed transfer case NEUTRAL (N) button (located by the selector switch) for one second.



NEUTRAL (N) Switch

- When the NEUTRAL (N) indicator light turns off, release the NEUTRAL (N) button.
- After the NEUTRAL (N) button has been released, the transfer case will shift to the position indicated by the selector switch.

Quadra-Drive II System — If Equipped

The optional Quadra-Drive II System features two torque transfer couplings. The couplings include an Electronic Limited-Slip Differential (ELSD) rear axle and the Quadra-Trac II transfer case. The optional ELSD axle is fully automatic and requires no driver input to operate. Under normal driving conditions, the unit functions as a standard axle, balancing torque evenly between left and right wheels. With a traction difference between left and right wheels, the coupling will sense a speed difference. As one wheel begins to spin faster than the other, torque will automatically transfer from the wheel that has less traction, to the wheel that has traction. While the transfer case and axle coupling differ in design, their operation is similar. Follow the Quadra-Trac II transfer case shifting information, preceding this section, for shifting this system.

SELEC-TERRAIN — IF EQUIPPED

Description

Selec-Terrain combines the capabilities of the vehicle control systems, along with driver input, to provide the best performance for all terrains.



Selec-Terrain Switch

Selec-Terrain consists of the following positions:

- **Snow** – Tuning set for additional stability in inclement weather. Use on and off road on loose traction surfaces such as snow. When in Snow mode (depending on certain operat-

ing conditions), the transmission may use second gear (rather than first gear) during launches, to minimize wheel slippage. If equipped with air suspension, the default ride height for Snow is Normal Ride Height (NRH).

- **Auto** – Fully automatic full time four-wheel drive operation can be used on and off road. Balances traction with seamless steering feel to provide improved handling and acceleration over two-wheel drive vehicles. If equipped with air suspension, the level will change to Normal Ride Height (NRH).
- **Sand** – Off road calibration for use on low traction surfaces such as sand or wet grass. Driveline is maximized for traction. Some binding may be felt on less forgiving surfaces. The electronic brake controls are set to limit traction control management of throttle and wheel spin. If equipped with air suspension, the default ride height for Sand is Normal Ride Height (NRH).
- **Mud** – Off road calibration for use on low traction surfaces such as mud. Driveline is maximized for traction. Some binding may be

felt on less forgiving surfaces. The electronic brake controls are set to limit traction control management of throttle and wheel spin. If equipped with air suspension, the level will change to Off Road 1.

- **Rock** – Off road calibration only available in 4WD Low range. The vehicle is raised (if equipped with Air Suspension) for improved ground clearance. Traction based tuning with improved steer-ability for use on high traction off-road surfaces. Use for low speed obstacles such as large rocks, deep ruts, etc. If equipped with air suspension, the vehicle level will change to Off-Road 2. If the Selec-Terrain switch is in ROCK mode, and the transfer case is switched from 4WD Low to 4WD High, the Selec-Terrain system will return to AUTO.

NOTE:

Activate the Hill Descent Control or Selec Speed Control for steep downhill control. See “Electronic Brake Control System” in this section for further information.

Driver Information Display (DID) Messages

When the appropriate conditions exist, a message will appear in the DID display. Refer to “Driver Information Display (DID)” in “Understanding Your Instrument Panel” for further information.

QUADRA-LIFT — IF EQUIPPED

Description

The Quadra-Lift air suspension system provides full time load leveling capability along with the benefit of vehicle height adjustment by the push of a button.



Selec-Terrain Switch

- 1 — Up Button
- 2 — Down Button
- 3 — Entry/Exit Mode Indicator Lamp (Customer Selectable)
- 4 — Normal Ride Height Indicator Lamp (Customer Selectable)
- 5 — Off-Road 1 Indicator Lamp (Customer Selectable)
- 6 — Off-Road 2 Indicator Lamp (Customer Selectable)

- **Normal Ride Height (NRH)** – This is the standard position of the suspension and is meant for normal driving.

- **Off-Road 1 (OR1) (Raises the vehicle approximately 1.1 in (28 mm))** – This is the primary position for all off-road driving until OR2 is needed. A smoother and more comfortable ride will result. Push the “Up” button once from the NRH position while the vehicle speed is below 38 mph (61 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. Refer to “Off-Road Driving Tips” in “Starting And Operating” for further information.
- **Off-Road 2 (OR2) (Raises the vehicle approximately 2.2 in (55 mm))** – This position is intended for off-roading use only where maximum ground clearance is required. To enter OR2, push the “Up” button 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. Refer

to “Off-Road Driving Tips” in “Starting And Operating” for further information.

- **Aero Mode (Lowers the vehicle approximately 0.6 in (15 mm))** – This position provides improved aerodynamics by lowering the vehicle. The vehicle will automatically enter Aero Mode when the vehicle speed remains between 52 mph (83 km/h) and 56 mph (90 km/h) for greater than 20 seconds or if the vehicle speed exceeds 56 mph (90 km/h). The vehicle will return to NRH from Aero Mode if the vehicle speed remains between 20 mph (32 km/h) and 25 mph (40 km/h) for greater than 20 seconds or if the vehicle speed falls below 20 mph (32 km/h). The vehicle will enter Aero Mode, regardless of vehicle speed if the vehicle is in “SPORT” mode.
- **Entry/Exit Mode (Lowers the vehicle approximately 1.6 in (40 mm))** – This position lowers the vehicle for easier passenger entry and exit as well as lowering the rear of the vehicle for easier loading and unloading of cargo. To enter Entry/Exit Mode, push the “Down” button once from (NRH) while the vehicle speed is below 25 mph (40 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 Mode change will be cancelled. To exit Entry/Exit Mode, press the “Up” button once while in Entry/Exit Mode or drive the vehicle over 15 mph (24 km/h).

NOTE:

Automatic lowering of the vehicle into Entry/Exit Mode can be enabled through the Uconnect Touch-Screen Radio. If this feature is enabled, the vehicle will only lower if the gear selector is in “PARK”, the terrain switch is in “AUTO”, the transfer-case is in “AUTO” and the vehicle level should be either in Normal or Aero Mode. The Vehicle will not automatically lower if the air suspension level is in Off Rd 2 or Off Rd 1. If the vehicle is equipped with Intrusion Theft Module (ITM), the lowering will be suppressed when the ignition is switched Off and the Door is Open to prevent setting the alarm

Off.

The Selec-Terrain switch will automatically change the vehicle to the proper height based on the position of the Selec-Terrain switch. The height can be changed from the default Selec-Terrain setting by normal use of the air suspension buttons. Refer to "Selec-Terrain" in "Starting And Operating" for further information.

The system requires that the engine be running for all changes. When lowering the vehicle all of the doors, including the liftgate, 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.

The Quadra-Lift air suspension 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 Quadra-Lift air suspension system has a feature which allows the automatic leveling to be disabled. Refer to "Uconnect Settings" in "Understanding Your Instrument Panel" for further information.

NOTE:

If equipped with a touch screen radio all enabling/disabling of air suspension features must be done through the radio. Refer to "Uconnect Access Settings" in "Understanding Your Instrument Panel" for further information.

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 your authorized dealer for service.

Air Suspension Modes

The Air Suspension system has multiple modes to protect the system in unique situations:

Tire/Jack Mode

To assist with changing a spare tire, the air suspension system has a feature which allows the automatic leveling to be disabled. Refer to "Uconnect Settings" in "Understanding Your Instrument Panel" for further information.

NOTE:

This mode is intended to be enabled with engine running.

Transport Mode

To assist with flat bed towing, the air suspension system has a feature which will put the vehicle into Entry/Exit height and disable the automatic load leveling system. Refer to "Uconnect Settings" in "Understanding Your Instrument Panel" for further information.

NOTE:

This mode is intended to be enabled with engine running.

Wheel Alignment Mode

Before performing a wheel alignment this mode must be enabled. Refer to “Uconnect Settings” in “Understanding Your Instrument Panel” for further information.

NOTE:

This mode is intended to be enabled with engine running.

If equipped with a touch screen radio all enabling/disabling of air suspension features must be done through the radio. Refer to “Uconnect Settings” in “Understanding Your Instrument Panel” for further information.

Driver Information Display (DID) Messages

When the appropriate conditions exist, a message will appear in the DID display. Refer to “Driver Information Display (DID)” in “Understanding Your Instrument Panel” for further information.

Operation

The indicator lamps 3 through 6 will illuminate to show the current position of the vehicle. Flash-

ing indicator lamps will show a position which the system is working to achieve. When raising, if multiple indicator lamps are flashing on the “Up” button, the highest flashing indicator lamp is the position the system is working to achieve. When lowering, if multiple indicators are flashing on the “Up” button the lowest solid indicator lamp is the position the system is working to achieve.

Pushing the “UP” button once will move the suspension one position higher from the current position, assuming all conditions are met (i.e. engine running, speed below threshold, etc). The “UP” button can be pushed 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 “DOWN” button once will move the suspension one position lower from the current level, assuming all conditions are met (i.e. engine running, doors closed, speed below threshold, etc). The “DOWN” button can be pressed multiple times. Each push will lower the requested level by one position down to a

minimum of Park 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 DID messages will operate the same for automatic changes and user requested changes.

- Off-Road 2 (OR2) – Indicator lamps 4, 5, and 6 will be illuminated when the vehicle is in OR2.
- Off-Road 1 (OR1) – Indicator lamps 4 and 5 will be illuminated when the vehicle is in OR1.
- Normal Ride Height (NRH) – Indicator lamp 4 will be illuminated when the vehicle is in this position.
- Entry/Exit Mode – Indicator lamp 3 will be illuminated when the vehicle is in Entry/Exit Mode. If Entry/Exit Mode is requested while vehicle speed is between 15 mph (24 km/h) and 25 mph (40 km/h), indicator lamp 4 will remain on solid and indicator lamp 3 will flash as the system waits for the vehicle to reduce

speed. If vehicle speed is reduced to, and kept below, 15 mph (24 km/h) indicator lamp 4 will turn off and indicator lamp 3 will flash until Entry/Exit Mode is achieved at which point indicator lamp 3 will go solid. If during the height change to Entry/Exit Mode, the vehicle speed exceeds 15 mph (24 km/h), the height change will be paused until the vehicle speed either goes below 15 mph (24 km/h) and the height change continues to Entry/Exit Mode, or exceeds 25 mph (40 km/h) and the vehicle height will return to NRH. Entry/Exit Mode may be selected while the vehicle is not moving provided that the engine is still running and all doors remain closed.

- Transport Mode - No indicator lamps will be illuminated. Customer driving will disable Transport Mode.
- Tire/Jack Mode - indicator lamps 3 and 6 will be illuminated. Customer driving will disable Tire/Jack Mode.
- Wheel Alignment Mode - indicator lamps 3 and 4 will be illuminated. Customer driving will disable Wheel Alignment Mode.

ON-ROAD DRIVING TIPS

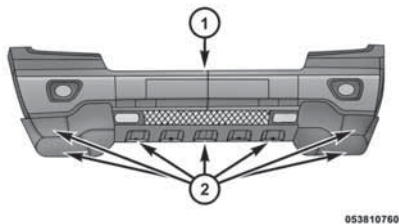
Utility vehicles have higher ground clearance and a narrower track to make them capable of performing in a wide variety of off-road applications. Specific design characteristics give them a higher center of gravity than ordinary vehicles.

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 two-wheel drive vehicles any more than low-slung sports cars are designed to perform satisfactorily in off-road conditions. If at all possible, 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

NOTE:

Prior to off-road driving with non-Summit models that are also equipped with an Off Road Package, remove the lower fascia to prevent damage. The lower fascia is attached to the lower part of the front fascia with seven quarter turn fasteners and can be removed by hand. The front license plate bracket must be removed first if equipped.



Front Air Dam

- 1 — Front Bumper
2 — Front Air Dam Fasteners

NOTE:

On Summit models the lower front fascia is not removable.

Lower Front Fascia Removal:

1. Remove the seven quarter turn fasteners.
2. Starting on one side of the vehicle, disengage lower fascia from the upper fascia. Grasp the portion inside the wheel well.

Pulling it downwards and toward you, separate the tabs from the slots in the upper fascia.

3. Continue working your way across the vehicle, separating the remaining tabs from the slots in the upper fascia.

NOTE:

Do not allow the lower fascia to freely hang from the tabs in the opposite corner as damage to lower and upper fascia may result.

4. Store the lower fascia in a safe location.

NOTE:

It is recommend to also remove the radar sensor on vehicle equipped to Adaptive Cruise Control (ACC). This radar sensor is specifically calibrated to your vehicle and is not interchangeable with other radar sensors.

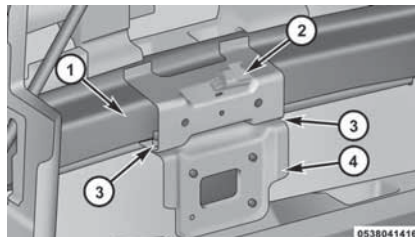
Radar Sensor Removal Procedure (If Equipped With Adaptive Cruise Control [ACC]):

1. With the lower fascia removed, which provides access to the sensor and bracket, disconnect the wiring harness from the sensor.
2. Using a suitable tool, disconnect the wire clip from the bracket.
3. Using a suitable tool, remove the two fasteners that hold the sensor bracket to the bumper beam.

NOTE:

It is recommended to scribe location to assist in reinstallation.

4. Locate the protective connector on the rear of the bumper beam.



Bumper Beam

- 1 — Inside Bumper Beam
- 2 — Protective Connector Location
- 3 — Sensor Bracket Fasteners
- 4 — Sensor Bracket

NOTE:

Only models with the Off Road Package are equipped with the a protective connector.

5. Remove the plug from the protective connector and install on the sensor.
6. Insert the wiring harness connector into the protective connector.

7. Store sensor and bracket in a safe place.

NOTE:

All cruise control functions will be disabled when the radar sensor is disconnected.

Radar Sensor Installation Procedure (If Equipped With Adaptive Cruise Control [ACC]):

1. Disconnect the wiring harness connector from the protective connector on the bumper beam.
2. Remove plug from radar sensor and install in protective connector.
3. Using the previously scribed marks, reinstall the radar sensor and bracket using the two fasteners.

NOTE:

Some alignment may be required upon fascia installation to align sensor with fascia.

4. Install the wiring harness connector into the radar sensor.

NOTE:

If you receive a fault, see your authorized dealer they may need to perform a sensor alignment.

Lower Front Fascia Installation

NOTE:

This will only work if you have a helper.

1. Starting at the center of the vehicle, engage a sufficient number of tabs to support the weight of the lower fascia (typically one or two tabs) into the upper fascia.
2. Working your way outward, engage the tabs into the slots on one side of the vehicle.
3. Return to the center of the vehicle and repeat Step 2 to the opposite side of the vehicle.

NOTE:

- **It may be necessary to apply additional force to individual tabs to make sure they are fully engaged.**

- **Do not use any tools to apply additional force to the tabs as damage to the upper and lower fascias may result.**

4. Reinstall the seven quarter turn fasteners.

Quadra-Lift — If Equipped

When off-roading, it is recommended that the lowest useable vehicle height that will clear the current obstacle or terrain be selected. The vehicle height should then be raised as required by the changes in terrain.

The Selec-Terrain switch will automatically change the vehicle to the optimized height based on the Selec-Terrain switch position. The vehicle height can be changed from the default height for each Selec-Terrain mode by normal use of the air suspension switches. Refer to “Quadra-Lift – If Equipped” in “Starting And Operating” for further information.

When To Use 4WD LOW Range — If Equipped

When off-road driving, shift to 4WD LOW for additional traction. This range should be limited to extreme situations such as deep snow, mud, or sand where additional low speed pulling

power is needed. Vehicle speeds in excess of 25 mph (40 km/h) should be avoided when in 4WD LOW range.

WARNING!

Do not drive in 4WD-LOW Range on dry pavement; driveline damage may result. 4WD-LOW Range locks front and rear drivelines together and does not allow for differential action between the front to rear drive-shafts. Driving in 4WD-LOW on pavement will cause driveline binding; use only on wet or slippery surfaces.

Driving Through Water

Although your vehicle is capable of driving through water, there are a number of precautions that must be considered before entering the water.

NOTE:

Your vehicle is capable of water fording in up to 20 inches (51 cm) of water, while crossing small rivers or streams. To maintain optimal performance of your vehicle's

heating and ventilation system it is recommended to switch the system into recirculation mode during water fording.

CAUTION!

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.

Driving through water more than a few inches/centimeters deep will require extra caution to ensure safety and prevent damage to your vehicle. If you must drive through water, try to determine the depth and the bottom condition (and location of any obstacles) prior to entering. Proceed with caution and maintain a steady controlled speed less than 5 mph (8 km/h) in deep water to minimize wave effects.

Flowing Water

If the water is swift flowing and rising (as in storm run-off), avoid crossing until the water level recedes and/or the flow rate is reduced. If you must cross flowing water avoid depths in excess of 9 inches (23 cm). The flowing water can erode the streambed, causing your vehicle to sink into deeper water. Determine exit point(s) that are downstream of your entry point to allow for drifting.

Standing Water

Avoid driving in standing water deeper than 20 inches (51 cm), and reduce speed appropriately to minimize wave effects. Maximum speed in 20 inches (51 cm) of water is less than 5 mph (8 km/h).

Maintenance

After driving through deep water, inspect your vehicle fluids and lubricants (engine oil, transmission oil, axle, transfer case) to assure the fluids have not been contaminated. Contaminated fluid (milky, foamy in appearance) should be flushed/changed as soon as possible to prevent component damage.

Driving In Snow, Mud And Sand

In heavy snow, when pulling a load, or for additional control at slower speeds, shift the transmission to a low gear and shift the transfer case to 4WD LOW if necessary. Refer to "Four-Wheel Drive Operation" in "Starting and Operating" for further information. Do not shift to a lower gear than necessary to maintain forward motion. Over-revving the engine can spin the wheels and traction will be lost.

Avoid abrupt downshifts on icy or slippery roads, because engine braking may cause skidding and loss of control.

Hill Climbing

NOTE:

Before attempting to climb a hill, determine the conditions at the crest and/or on the other side.

Before climbing a steep hill, shift the transmission to a lower gear and shift the transfer case to 4WD LOW. Use first gear and 4WD LOW for very steep hills.

If you stall or begin to lose forward motion while climbing a steep hill, allow your vehicle to come to a stop and immediately apply the brakes. Restart the engine, and shift into REVERSE. Back slowly down the hill, allowing the compression braking of the engine to help regulate your speed. If the brakes are required to control vehicle speed, apply them lightly and avoid locking or skidding the tires.

WARNING!

If the engine stalls, you lose forward motion, 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. Always back carefully straight down a hill in REVERSE gear. Never back down a hill in NEUTRAL using only the brake.

Remember, never drive diagonally across a hill always drive straight up or down.

If the wheels start to slip as you approach the crest of a hill, ease off the accelerator and maintain forward motion by turning the front wheels slowly. This may provide a fresh “bite” into the surface and will usually provide traction to complete the climb.

Traction Downhill

When descending mountains or hills, use Hill Descent or Selec-Speed Control to avoid repeated heavy braking.

If not equipped with Hill Descent or Selec-Speed Control use the following procedure:

Shift the transmission into a low gear, and the transfer case into 4WD LOW range. Let the vehicle go slowly down the hill with all four wheels turning against engine compression drag. This will permit you to control the vehicle speed and direction.

When descending mountains or hills, repeated braking can cause brake fade with loss of

braking control. Avoid repeated heavy braking by downshifting the transmission whenever possible.

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.

ELECTRIC POWER STEERING

The electric power steering system will give you good vehicle response and increased ease of maneuverability in tight spaces. The system will vary its assist to provide light efforts while parking and good feel while driving. If the electric steering system experiences a fault that prevents it from providing assist, you will still have the ability to steer the vehicle manually.

Alternate electric power steering efforts can be selected through the Uconnect System. Refer to "Customer Programmable Features" within "Uconnect Settings" in "Understanding Your Instrument Panel" for further information.

WARNING!

Continued operation with reduced assist could pose a safety risk to yourself and others. Service should be obtained as soon as possible.



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 Driver Information Display (DID), this indicates the vehicle needs to be taken to the dealer for service. Refer to "Driver Information Display (DID)" in "Understanding Your Instrument Panel" for further information.

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 your authorized dealer for service.**

FUEL SAVER TECHNOLOGY 5.7L ENGINE 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 or additional driving skills required.

NOTE:

This system may take some time to return to full functionality after a battery disconnect.

PARKING BRAKE

Before leaving the vehicle, make sure that the parking brake is fully applied and place the gear selector in the PARK position.

The foot operated parking brake is located below the lower left corner of the instrument panel. To apply the park brake, firmly push the park brake pedal fully. To release the parking brake, press the park brake pedal a second time and let your foot up as you feel the brake disengage.



Parking Brake

When the parking brake is applied with the ignition switch in the ON position, the “Brake” Warning Light in the instrument cluster will illuminate.

NOTE:

- When the parking brake is applied and the transmission is placed in gear, the “Brake” Warning Light will flash. If vehicle speed is detected, a chime will sound to alert the driver. Fully release the parking brake before attempting to move the vehicle.

- This light only shows that the parking brake is applied. It does not show the degree of brake application.

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. The parking brake should always be applied whenever the driver is not in the vehicle.

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 leaving the vehicle, always remove the Key Fob from the ignition and lock your vehicle.

(Continued)

WARNING! (Continued)

- 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.
- When leaving the vehicle, always make sure the keyless ignition node is in the “OFF” mode, remove the Key Fob from the vehicle and lock the vehicle.
- 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 mode. A child could operate power windows, other controls, or move the vehicle.

(Continued)

WARNING! (Continued)

- 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" 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.

BRAKE SYSTEM

Your vehicle is equipped with dual hydraulic brake systems. If either of the two hydraulic systems loses normal capability, the remaining

system will still function. However, there will be some loss of overall braking effectiveness. You may notice increased pedal travel during application, greater pedal force required to slow or stop, and potential activation of the "Brake System Warning Light."

In the event power assist is lost for any reason (i.e., repeated brake applications with the engine off) the brakes will still function. However, the effort required to brake the vehicle will be much greater than that required with the power system operating.

ELECTRONIC BRAKE CONTROL SYSTEM

Your vehicle is equipped with an advanced Electronic Brake Control system (EBC). This system includes Electronic Brake Force Distribution (EBD), Anti-Lock Brake System (ABS), Brake Assist System (BAS), Hill Start Assist (HSA), Traction Control System (TCS), Electronic Stability Control (ESC), and Electronic Roll Mitigation (ERM). 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), Ready Alert Braking (RAB), Rain Brake Support (RBS), Dynamic Steering Torque (DST), Hill Descent Control (HDC), and Selec-Speed Control (SSC).

Electronic Brake Force Distribution (EBD)

This function 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 overslip of the rear wheels to avoid vehicle instability, and to prevent the rear axle from entering ABS before the front axle.

Brake System Warning Light

The red "Brake System Warning Light" will turn on when the ignition switch is turned to the ON position 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 switch is turned to the ON position, have the light repaired as soon as possible.

Anti-Lock Brake System (ABS)

The Anti-Lock Brake System (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.

ABS is activated during braking when the system detects one or more wheels begins 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 when ABS activates:

- The ABS motor noise (it may continue to run for a short time after the stop).

- The clicking sound of solenoid valves.
- Brake pedal pulsations.
- A slight drop of the brake pedal at the end of the stop.

These are all normal characteristics of ABS.

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.

(Continued)

WARNING! (Continued)

- 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.

ABS is designed to function with the OEM tires. Modification may result in degraded ABS performance.

Anti-Lock Brake Warning Light

The amber “Anti-Lock Brake Warning Light” will turn on when the ignition switch is turned to the ON position and may stay on for as long as four seconds.

If the “Anti-Lock Brake 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 “Brake System Warning Light” is not on.

If the “Anti-Lock Brake Warning Light” is on, the brake system should be serviced as soon as possible to restore the benefits of anti-lock brakes. If the “Anti-Lock Brake Warning Light” does not come on when the ignition switch is turned to the ON position, have the light repaired as soon as possible.

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.

Hill Start Assist (HSA)

The HSA system 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.
- Park brake must be off.
- 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. For vehicles equipped with a manual transmission, if the clutch is pressed, HSA will remain active.

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

(Continued)

WARNING! (Continued)

required while driving to maintain safe control of your vehicle. Failure to follow these warnings can result in a collision or serious personal injury.

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.

(Continued)

WARNING! (Continued)

- HSA is not a parking brake. Always apply the parking brake fully when leaving your vehicle. Also, be certain to leave the transmission in PARK.
- Failure to follow these warnings may cause the vehicle to roll down the incline and could collide with another vehicle, object or person, and cause serious or fatal injury. Always remember to use the parking brake while parking on a hill and that the driver is responsible for braking the vehicle.

Disabling And Enabling HSA

This feature can be turned on or turned off. To change the current setting, proceed as follows:

- For vehicles equipped with the Driver Information Display (DID), refer to "Driver Information Display (DID)" in "Understanding Your Instrument Panel" for further information.

- If disabling HSA using Uconnect Settings, refer to "Uconnect Settings" in "Understanding Your Instrument Panel" for further information.

For vehicles not equipped with the DID, perform the following steps:

1. Center the steering wheel (front wheels pointing straight forward).
2. Shift the transmission into PARK.
3. Apply the parking brake.
4. Start the engine.
5. Rotate the steering wheel slightly more than one-half turn to the left.
6. Push the "ESC Off" button located in the lower switch bank below the climate control four times within twenty seconds. The "ESC Off Indicator Light" should turn on and turn off two times.
7. Rotate the steering wheel back to center and then an additional slightly more than one-half turn to the right.

8. Turn the ignition switch to the OFF position and then back to the ON position. If the sequence was completed properly, the "ESC Off Indicator Light" will blink several times to confirm HSA is disabled.
9. Repeat these steps if you want to return this feature to its previous setting.

Traction Control System (TCS)

This system 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 similar 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 ESC are in a reduced mode.

Electronic Stability Control (ESC)

This system 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 assist in counteracting the oversteer or understeer condition. Engine power may also be reduced to help the vehicle maintain the desired path.

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.

- 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.

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 acci-

(Continued)

WARNING! (Continued)

dents. 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

NOTE:

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

The “Partial Off” mode is intended for times when a more spirited driving experience is desired. This mode may modify TCS and ESC thresholds for activation, which allows for more wheel spin than normally allowed. This mode may be useful if the vehicle becomes stuck.

To enter the “Partial Off” mode, momentarily push the “ESC Off” switch and the “ESC Off Indicator Light” will illuminate. To turn the ESC on again, momentarily push the “ESC Off” switch and the “ESC Off Indicator Light” will turn off.

NOTE:

For vehicles with multiple partial ESC modes a momentary button push will toggle the ESC mode. Multiple momentary button pushed may be required to return to ESC On.

NOTE:

- 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” switch 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 Electronic Vehicle Information Center (EVIC). To turn ESC ON again, momentarily push the “ESC Off” switch.

NOTE:

System may switch from ESC Full Off to Partial 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.

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 Off” mode is intended for off-highway or off-road use only.

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 switch is turned to the ON position. 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 your authorized dealer as soon as possible to have the problem diagnosed and corrected.

The “ESC Activation/Malfunction Indicator Light” (located in the instrument cluster) 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.

NOTE:

- The “ESC Activation/Malfunction Indicator Light” and the “ESC OFF Indicator Light” come on momentarily each time the ignition switch is turned ON.
- Each time the ignition is turned ON, 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.**



The “ESC OFF Indicator Light” indicates the customer has elected to have the Electronic Stability Control (ESC) in a reduced mode.

Electronic Roll Mitigation (ERM)

This 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, or striking objects or other vehicles.

NOTE:

ERM is disabled anytime the ESC is in “Full Off” mode (if equipped). Refer to “Electronic Stability Control (ESC)” in this section for a complete explanation of the available ESC modes.

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 roll overs, especially those that involve leaving the roadway or striking objects or other vehicles. The capabilities of an ERM-equipped vehicle must never be exploited in a reckless or dangerous manner which could jeopardize the user’s safety or the safety of others.

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. TSC will become active automatically once an excessively swaying trailer is recognized. Note that TSC cannot stop all trailers from swaying. Always use caution when towing a trailer and follow the trailer tongue weight recommendations. Refer to “Trailer Towing” in this section for further information.

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.

Ready Alert Braking (RAB)

Ready Alert Braking 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 EBC will prepare the brake system for a panic stop.

Rain Brake Support (RBS)

Rain Brake Support 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.

Dynamic Steering Torque (DST)

Dynamic Steering Torque is a feature of the ESC and EPS modules that provides torque at the steering wheel for certain driving conditions in which the ESC module is detecting vehicle instability. The torque that the steering wheel receives is only meant to help the driver realize optimal steering behavior in order to reach/

maintain vehicle stability. The only notification the driver receives that the feature is active is the torque applied to the steering wheel.

NOTE:

The DST feature is only meant to help the driver realize the correct course of action through small torques on the steering wheel, which means the effectiveness of the DST feature is highly dependent on the drivers sensitivity and overall reaction to the applied torque. It is very important to realize that this feature will not steer the vehicle, meaning the driver is still responsible for steering the vehicle.

Hill Descent Control (HDC) — If Equipped

HDC is intended for low speed off road driving while in 4WD Low Range. HDC maintains vehicle speed while descending hills during various driving situations. HDC controls vehicle speed by actively controlling the brakes.

HDC 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 HDC

HDC is enabled by pushing the HDC switch, but the following conditions must also be met to enable HDC:

- Driveline is in 4WD Low Range
- Vehicle speed is below 5 mph (8 km/h).
- Parking brake is released.
- Driver door is closed.

Activating HDC

Once HDC is enabled, it will activate automatically if driven down a grade of sufficient magnitude. The set speed for HDC is selectable by

the driver, and can be adjusted by using the gear shift +/- . The following summarizes the HDC set speeds:

HDC Target Set Speeds

- P = No set speed. HDC may be enabled but will not activate
- R = 0.6 mph (1 km/h)
- N = 1.2 mph (2 km/h)
- D = 0.6 mph (1 km/h)
- 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 = 5.0 mph (8 km/h)
- 9th = 5.6 mph (9 km/h) – If Equipped

NOTE:

During HDC, the +/- shifter input is used for HDC target speed selection but will not affect the gear chosen by the transmission. When actively controlling HDC, the transmission will shift appropriately for the driver-selected set speed and corresponding driving conditions.

Driver Override

The driver may override HDC activation with throttle or brake application at anytime.

Deactivating HDC

HDC will be deactivated but remain available if any of the following conditions occur:

- Driver overrides HDC set speed with throttle or brake application.
- Vehicle speed exceeds 20 mph (32 km/h) but remains below 40 mph (64 km/h).
- Vehicle is on a downhill grade of insufficient magnitude, is on level ground, or is on an uphill grade.
- Vehicle is shifted to park.

Disabling HDC

HDC will be deactivated and disabled if any of the following conditions occur:

- The driver pushes the HDC switch.
- The driveline is shifted out of 4WD Low Range.
- The parking brake is applied.
- 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) (HDC exits immediately).
- HDC detects excessive brake temperature.

Feedback To The Driver

The instrument cluster has an HDC icon and the HDC switch has an LED which offer feedback to the driver about the state HDC is in.

- The cluster icon and switch lamp will illuminate and remain on solid when HDC is enabled or activated. This is the normal operating condition for HDC.

- The cluster icon and switch lamp will flash for several seconds then extinguish when the driver pushes the HDC switch but enable conditions are not met.
- The cluster icon and switch lamp will flash for several seconds then extinguish when HDC disables due to excess speed.
- The cluster icon and switch lamp will flash when HDC deactivates due to overheated brakes. The flashing will stop and HDC will activate again once the brakes have cooled sufficiently.

WARNING!

HDC is only intended to assist the driver in controlling vehicle speed when descending hills. The driver must remain attentive to the driving conditions and is responsible for maintaining a safe vehicle speed.

Selec Speed Control (SSC) — If Equipped

SSC is intended for off road driving in 4WD Low Range 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:

- Driveline is in 4WD Low Range.
- Vehicle speed is below 5 mph (8 km/h)
- Parking brake is released.

- Driver door is closed.
- Driver is not applying throttle.

Activating SSC

Once SSC is enabled it will activate automatically once the following conditions are met:

- Driver releases throttle.
- Driver releases brake.
- Transmission is in any selection other than P.
- 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 = .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 = .6 mph (1 km/h)
- NEUTRAL = 1.2 mph (2 km/h)
- PARK = SSC remains enabled but not active

NOTE:

- **During SSC the +/- shifter 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 performance is influenced by the Terrain Select mode. This difference may be notable to the driver and may be perceived 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:

- Driver overrides SSC set speed with throttle or brake application.
- Vehicle speed exceeds 20 mph (32 km/h) but remains below 40 mph (64 km/h).
- Vehicle is shifted to 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 4WD Low Range.
- The parking brake is applied.
- 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 exits immediately).

Feedback To The Driver:

The instrument cluster has an SSC icon and the SSC switch has an LED which offer 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. This is the normal operating condition for SSC.
- The cluster icon and switch lamp will flash for several seconds then extinguish when the driver pushes the SSC switch but enable conditions are not met.

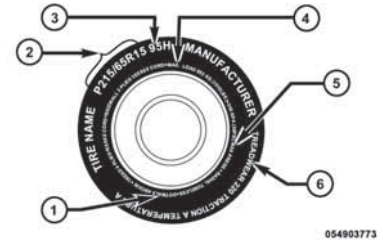
- The cluster icon and switch lamp will flash for several seconds then extinguish when SSC disables due to excess speed.
- The cluster icon and switch lamp will flash then extinguish when SSC deactivates due to overheated brakes.

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.

TIRE SAFETY INFORMATION

Tire Markings



- | | |
|--|--|
| 1 — U.S. DOT Safety Standards Code (TIN) | 4 — Maximum Load |
| 2 — Size Designation | 5 — Maximum Pressure |
| 3 — Service Description | 6 — Treadwear, Traction and Temperature Grades |

NOTE:

- **P (Passenger)** — Metric tire sizing is based on U.S. 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 U.S. 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 U.S. design standards and it begins with the tire diameter molded into the sidewall. Example: 31x10.5 R15 LT.

Tire Sizing Chart

EXAMPLE:

Example Size Designation: P215/65R15XL 95H, 215/65R15 96H, LT235/85R16C, T145/80D18 103M, 31x10.5 R15 LT

P = Passenger car tire size based on U.S. design standards, or

"....blank...." = Passenger car tire based on European design standards, or

LT = Light truck tire based on U.S. design standards, or

T or S = Temporary spare tire or

31 = Overall diameter in inches (in)

215, 235, 145 = Section width in millimeters (mm)

65, 85, 80 = Aspect ratio in percent (%)

– Ratio of section height to section width of tire, or

10.5 = Section width in inches (in)

R = Construction code

– "R" means radial construction, or

– "D" means diagonal or bias construction

15, 16, 18 = Rim diameter in inches (in)

EXAMPLE:

Service Description:

95 = Load Index

– A numerical code associated with the maximum load a tire can carry

H = Speed Symbol

– A symbol indicating the range of speeds at which a tire can carry a load corresponding to its load index under certain operating conditions

– The maximum speed corresponding to the speed symbol should only be achieved under specified operating conditions (i.e., tire pressure, vehicle loading, road conditions, and posted speed limits)

Load Identification:

Absence of the following load identification symbols on the sidewall of the tire indicates a Standard Load (SL) tire:

- **XL** = Extra load (or reinforced) tire, or
- **LL** = Light load tire or
- **C, D, E, F, G** = Load range associated with the maximum load a tire can carry at a specified pressure

Maximum Load – Maximum load indicates the maximum load this tire is designed to carry

Maximum Pressure – Maximum pressure indicates the maximum permissible cold tire inflation pressure for this tire

Tire Identification Number (TIN)

The TIN may be found on one or both sides of the tire, however, the date code may only be on

one side. Tires with white sidewalls will have the full TIN, including the date code, located on the white sidewall side of the tire. Look for the TIN on the outboard side of black sidewall tires as

mounted on the vehicle. If the TIN is not found on the outboard side, then you will find it on the inboard side of the tire.

EXAMPLE:
DOT MA L9 ABCD 0301
DOT = Department of Transportation – This symbol certifies that the tire is in compliance with the U.S. Department of Transportation tire safety standards and is approved for highway use
MA = Code representing the tire manufacturing location (two digits)
L9 = Code representing the tire size (two digits)
ABCD = Code used by the tire manufacturer (one to four digits)
03 = Number representing the week in which the tire was manufactured (two digits) – 03 means the 3rd week
01 = Number representing the year in which the tire was manufactured (two digits) – 01 means the year 2001 – Prior to July 2000, tire manufacturers were only required to have one number to represent the year in which the tire was manufactured. Example: 031 could represent the 3rd week of 1981 or 1991

Tire Terminology And Definitions

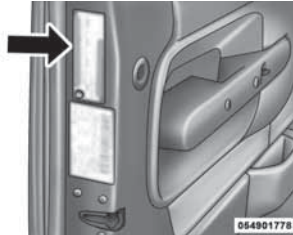
Term	Definition
B-Pillar	The vehicle B-Pillar is the structural member of the body located behind the front door.
Cold Tire Inflation Pressure	Cold tire inflation pressure is defined as the tire pressure after the vehicle has not been driven for at least three hours, or driven less than 1 mile (1.6 km) after sitting for a minimum of three hours. Inflation pressure is measured in units of PSI (pounds per square inch) or kPa (kilopascals).
Maximum Inflation Pressure	The maximum inflation pressure is the maximum permissible cold tire inflation pressure for this tire. The maximum inflation pressure is molded into the sidewall.
Recommended Cold Tire Inflation Pressure	Vehicle manufacturer's recommended cold tire inflation pressure as shown on the tire placard.
Tire Placard	A label permanently attached to the vehicle describing the vehicle's loading capacity, the original equipment tire sizes and the recommended cold tire inflation pressures.

Tire Loading And Tire Pressure

Tire And Loading Information Placard Location

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.



Example Tire Placard Location (Door)



Example Tire Placard Location (B-Pillar)

Tire And Loading Information Placard

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			4N109268

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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" in the "Starting And Operating" section of this manual.

NOTE:

Under a maximum loaded vehicle condition, gross axle weight ratings (GAWRs) for the front and rear axles must not be exceeded. For further information on GAWRs, vehicle loading, and trailer towing, refer to “Vehicle Loading” in the “Starting And Operating” section of this manual.

To determine the maximum loading conditions of your vehicle, locate the statement “The combined weight of occupants and cargo should never exceed XXX lbs or XXX kg” 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 lbs or XXX kg” 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 lbs or XXX kg.
4. The resulting figure equals the available amount of cargo and luggage load capacity. For example, if “XXX” amount equals 1,400 lbs (635 kg) and there will be five 150 lb (68 kg) passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs (294 kg) (since $5 \times 150 \text{ lbs (68 kg)} = 750 \text{ lbs (340 kg)}$, and $1400 \text{ lbs (635 kg)} - 750 \text{ lbs (340 kg)} = 650 \text{ lbs [294 kg]}$).
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.

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.

TIRES — GENERAL INFORMATION

Tire Pressure

Proper tire inflation pressure is essential to the safe and satisfactory operation of your vehicle. Four primary areas are affected by improper tire pressure:

- Safety and Vehicle Stability
- Economy
- Tread Wear
- Ride Comfort

Safety

WARNING!

- Improperly inflated tires are dangerous and can cause collisions.
- Underinflation increases tire flexing and can result in overheating and tire failure.
- Overinflation reduces a tire's ability to cushion shock. Objects on the road and chuckholes can cause damage that result in tire failure.
- Overinflated or underinflated tires can affect vehicle handling and can fail suddenly, resulting in loss of vehicle control.
- Unequal tire pressures can cause steering problems. You could lose control of your vehicle.
- Unequal tire pressures from one side of the vehicle to the other can cause the vehicle to drift to the right or left.
- Always drive with each tire inflated to the recommended cold tire inflation pressure.

Both under-inflation and over-inflation affect the stability of the vehicle and can produce a feeling of sluggish response or over responsiveness in the steering.

NOTE:

- **Unequal tire pressures from side to side may cause erratic and unpredictable steering response.**
- **Unequal tire pressure from side to side may cause the vehicle to drift left or right.**

Fuel Economy

Underinflated tires will increase tire rolling resistance resulting in higher fuel consumption.

Tread Wear

Improper cold tire inflation pressures can cause abnormal wear patterns and reduced tread life, resulting in the need for earlier tire replacement.

Ride Comfort And Vehicle Stability

Proper tire inflation contributes to a comfortable ride. Over-inflation produces a jarring and uncomfortable ride.

Tire Inflation Pressures

The proper cold tire inflation pressure is listed on the driver's side B-Pillar or rear edge of the driver's side door.

At least once a month:

- Check and adjust tire pressure with a good quality pocket-type pressure gauge. Do not make a visual judgement when determining proper inflation. Tires may look properly inflated even when they are under-inflated.
- Inspect tires for signs of tire wear or visible damage.

CAUTION!

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 valve stem.

Inflation pressures specified on the placard are always "cold tire inflation pressure". Cold tire inflation pressure 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 sitting for a minimum of three hours. The cold tire inflation pressure must not exceed the maximum inflation pressure molded into the tire sidewall.

Check tire pressures more often if subject to a wide range of outdoor temperatures, as tire pressures vary with temperature changes.

Tire pressures change by approximately 1 psi (7 kPa) per 12°F (7°C) of air temperature change. Keep this in mind when checking tire pressure inside a garage, especially in the Winter.

Example: If garage temperature = 68°F (20°C) and the outside temperature = 32°F (0°C) then the cold tire inflation pressure should be increased by 3 psi (21 kPa), which equals 1 psi (7 kPa) for every 12°F (7°C) for this outside temperature condition.

Tire pressure may increase from 2 to 6 psi (13 to 40 kPa) during operation. DO NOT reduce this normal pressure build up or your tire pressure will be too low.

Tire Pressures For High Speed Operation

The manufacturer advocates driving at safe speeds and within posted speed limits. Where speed limits or conditions are such that the vehicle can be driven at high speeds, maintaining correct tire inflation pressure is very important. Increased tire pressure and reduced vehicle loading may be required for high-speed vehicle operation. Refer to your authorized tire dealer or original equipment vehicle dealer for recommended safe operating speeds, loading and cold tire inflation pressures.

WARNING!

High speed driving with your vehicle under maximum load is dangerous. The added strain on your tires could cause them to fail. You could have a serious collision. Do not drive a vehicle loaded to the maximum capacity at continuous speeds above 75 mph (120 km/h).

Radial Ply Tires

WARNING!

Combining radial ply tires with other types of tires on your vehicle will cause your vehicle to handle poorly. The instability could cause a collision. Always use radial ply tires in sets of four. Never combine them with other types of tires.

Tire Repair

If your tire becomes damaged, it may be repaired if it meets the following criteria:

- The tire has not been driven on when flat.
- The damage is only on the tread section of your tire (sidewall damage is not repairable).
- The puncture is no greater than a ¼ of an inch (6 mm).

Consult an authorized tire dealer for tire repairs and additional information.

Damaged Run Flat tires, or Run Flat tires that have experienced a loss of pressure should be replaced immediately with another Run Flat tire

of identical size and service description (Load Index and Speed Symbol).

Tire Types

All Season Tires — If Equipped

All Season tires provide traction for all seasons (Spring, Summer, Fall 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.

Run Flat Tires — If Equipped

Run Flat tires allow you the capability to drive 50 miles (80 km) at 50 mph (80 km/h) after a rapid loss of inflation pressure. This rapid loss of inflation is referred to as the Run Flat mode. A Run Flat mode occurs when the tire inflation pressure is of/or below 14 psi (96 kPa). Once a Run Flat tire reaches the run flat mode it has limited driving capabilities and needs to be replaced immediately. A Run Flat tire is not repairable.

It is not recommended driving a vehicle loaded at full capacity or to tow a trailer while a tire is in the run flat mode.

See the tire pressure monitoring section for more information.

Spare Tires — If Equipped

NOTE:

For vehicles equipped with Tire Service Kit instead of a spare tire, please refer to the “Tire Service Kit” section located in your Owner’s Information kit 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.

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 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

(Continued)

WARNING! (Continued)

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.

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.

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 limit 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.

Tire Spinning

When stuck in mud, sand, snow, or ice conditions, do not spin your vehicle's wheels above 30 mph (48 km/h) or for longer than 30 seconds continuously without stopping.

Refer to "Freeing A Stuck Vehicle" in "What To Do In Emergencies" for further information.

WARNING!

Fast spinning tires can be dangerous. Forces generated by excessive wheel speeds may cause tire damage or failure. A tire could explode and injure someone. Do not spin your vehicle's wheels faster than 30 mph (48 km/h) for more than 30 seconds continuously when you are stuck, and do not let anyone near a spinning wheel, no matter what the speed.

Tread Wear Indicators

Tread wear indicators are in the original equipment tires to help you in determining when your tires should be replaced.



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Tire Tread

- 1 — Worn Tire
2 — New Tire

These indicators are molded into the bottom of the tread grooves. They will appear as bands when the tread depth becomes a 1/16 of an inch (1.6 mm). When the tread is worn to the tread

wear indicators, the tire should be replaced. Refer to "Replacement Tires" in this section for further information.

Life Of Tire

The service life of a tire is dependent upon varying factors including, but not limited to:

- Driving style.
- Tire pressure - Improper cold tire inflation pressures can cause uneven wear patterns to develop across the tire tread. These abnormal wear patterns will reduce tread life, resulting in the need for earlier tire replacement.
- Distance driven.
- Performance tires, tires with a speed rating of V or higher, and Summer tires typically have a reduced tread life. Rotation of these tires per the vehicle maintenance schedule is highly recommended.

WARNING!

Tires and the spare tire should be replaced after six years, regardless of the remaining tread. Failure to follow this warning can result in sudden tire failure. You could lose control and have a collision resulting in serious injury or death.

Keep dismounted tires in a cool, dry place with as little exposure to light as possible. Protect tires from contact with oil, grease, and gasoline.

Replacement Tires

The tires on your new vehicle provide a balance of many characteristics. They should be inspected regularly for wear and correct cold tire inflation pressures. The manufacturer strongly recommends that you use tires equivalent to the originals in size, quality and performance when replacement is needed. Refer to the paragraph on "Tread Wear Indicator". Refer to the Tire and Loading Information placard or the Vehicle Certification Label for the size designation of your tire. The Load Index and Speed Symbol for your tire will be found on the original equipment tire

sidewall. See the Tire Sizing Chart example found in the "Tire Safety Information" section of this manual for more information relating to the Load Index and Speed Symbol of a tire.

It is recommended to replace the two front tires or two rear tires as a pair. Replacing just one tire can seriously affect your vehicle's handling. If you ever replace a wheel, make sure that the wheel's specifications match those of the original wheels.

It is recommended you contact your authorized tire dealer or original equipment dealer with any questions you may have on tire specifications or capability. Failure to use equivalent replacement tires may adversely affect the safety, handling, and ride of your vehicle.

WARNING!

- Do not use a tire, wheel size or rating other than that specified for your vehicle. Some combinations of unapproved tires and wheels may change suspension dimensions and performance characteristics, re-

(Continued)

WARNING! (Continued)

sulting in changes to steering, handling, and braking of your vehicle. This can cause unpredictable handling and stress to steering and suspension components. You could lose control and have a collision resulting in serious injury or death. Use only the tire and wheel sizes with load ratings approved for your vehicle.

- Never use a tire with a smaller load index or capacity, other than what was originally equipped on your vehicle. Using a tire with a smaller load index could result in tire overloading and failure. You could lose control and have a collision.
- Failure to equip your vehicle with tires having adequate speed capability can result in sudden tire failure and loss of vehicle control.

CAUTION!

Replacing original tires with tires of a different size may result in false speedometer and odometer readings.

TIRE CHAINS (TRACTION DEVICES)

Use of traction devices require sufficient tire-to-body clearance. Follow these recommendations to guard against damage.

- Traction device must be of proper size for the tire, as recommended by the traction device manufacturer.
- Install on Rear Tires Only.
- Due to limited clearance, use reduced size snow chains or traction devices with a maximum projection of 12 mm beyond the tire profile on P265/60R18 109T, 265/60R18 110H, 265/50R20 107V, 265/50R20XL 111V tires.

WARNING!

Using tires of different size and type (M+S, Snow) between front and rear axles can cause unpredictable handling. You could lose control and have a collision.

CAUTION!

To avoid damage to your vehicle or tires, observe the following precautions:

- Because of restricted traction device clearance between tires and other suspension components, it is important that only traction devices in good condition are used. Broken devices can cause serious damage. Stop the vehicle immediately if noise occurs that could indicate device breakage. Remove the damaged parts of the device before further use.
- Install device as tightly as possible and then retighten after driving about ½ mile (0.8 km).

(Continued)

CAUTION! (Continued)

- Do not exceed 30 mph (48 km/h).
- Drive cautiously and avoid severe turns and large bumps, especially with a loaded vehicle.
- Do not drive for a prolonged period on dry pavement.
- Observe the traction device manufacturer's instructions on the method of installation, operating speed, and conditions for use. Always use the suggested operating speed of the device manufacturer's if it is less than 30 mph (48 km/h).
- Do not use traction devices on a compact spare tire.

TIRE ROTATION RECOMMENDATIONS

The tires on the front and rear of your vehicle operate at different loads and perform different steering, handling, and braking functions. For these reasons, they wear at unequal rates.

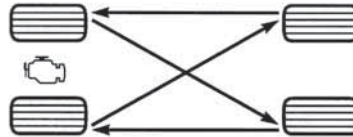
These effects can be reduced by timely rotation of tires. The benefits of rotation are especially worthwhile with aggressive tread designs such as those on On/Off-Road type tires. Rotation will increase tread life, help to maintain mud, snow, and wet traction levels, and contribute to a smooth, quiet ride.

Refer to the "Maintenance Schedule" for the proper maintenance intervals. More frequent rotation is permissible if desired. The reasons for any rapid or unusual wear should be corrected prior to rotation being performed.

NOTE:

The premium Tire Pressure Monitor System will automatically locate the pressure values displayed in the correct vehicle position following a tire rotation.

The suggested rotation method is the "rearward-cross" shown in the following diagram.



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Tire Rotation

TIRE PRESSURE MONITOR SYSTEM (TPMS)

The Tire Pressure Monitoring System (TPMS) will warn the driver of a low tire pressure based on the vehicle recommended cold tire placard pressure.

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. **Refer to "Tires – General Information" in "Starting and Operating" for information on how to properly inflate the vehicle's tires.** The tire pressure will also increase as the vehicle is driven - this is normal and there should be no adjustment for this increased pressure.

The TPMS will warn the driver of a low tire pressure if the tire pressure falls below the low pressure warning threshold for any reason, including low temperature effects, or 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 recommended cold tire placard pressure. Once the low tire pressure warning has been illuminated, the tire pressure must be increased to the recommended cold tire pressure in order for the Tire Pressure Monitoring Telltale Light to be turned off.

NOTE:

When filling warm tires, the tire pressure may need to be increased up to an additional 4 psi (30 kPa) above the recommended cold placard pressure in order to turn the Tire Pressure Monitoring Telltale Light off.

The system will automatically update and the Tire Pressure Monitoring Telltale Light will extinguish once the updated tire pressures have been received. The vehicle may need to be driven for up to 10 minutes above 15 mph (24 km/h) to receive this information.

For example, your vehicle has a recommended cold (parked for more than three hours) tire placard pressure of 33 psi (227 kPa). If the ambient temperature is 68°F (20°C) and the measured tire pressure is 28 psi (193 kPa), a temperature drop to 20°F (-7°C) will decrease the tire pressure to approximately 24 psi (165 kPa). This tire pressure is sufficiently low enough to turn ON the Tire Pressure Monitoring Telltale Light. Driving the vehicle may cause the tire pressure to rise to approximately 28 psi (193 kPa), but the Tire Pressure Monitoring Telltale Light will still be ON. In this situation, the

Tire Pressure Monitoring Telltale Light will turn OFF only after the tires have been inflated to the vehicle's recommended cold tire 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.

(Continued)

CAUTION! (Continued)

- 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.**
- **Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation 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 gauge, even if under-inflation has not reached the level to trigger illumination of the Tire Pressure Monitoring Telltale Light.
- Seasonal temperature changes will affect tire pressure, and the TPMS will monitor the actual tire pressure in the tire.

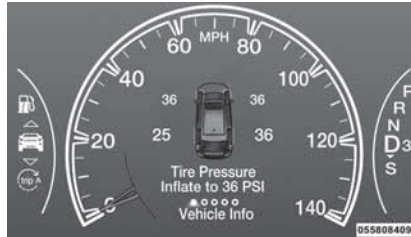
Tire Pressure Monitoring Low Pressure Warnings



The Tire Pressure Monitoring Telltale Light will illuminate in the instrument cluster, and an audible chime will be activated, when one or more of the four active road tire pressures are low. In addition, the DID will display a "Tire Low" message and a graphic display of the pressure value(s) with the low tire(s) displayed in a different color. Refer to "Driver Information Display (DID)" in "Understanding Your Instrument Panel" for further information.

NOTE:

Your system can be set to display pressure units in PSI, BAR or kPa.



Low Tire Pressure Monitor Display

Should a low tire condition occur on any of the four active road tire(s), you should stop as soon as possible, and inflate the low tire(s) that is in a different color on the graphic display to the vehicle's recommended cold tire pressure.

NOTE:

When filling warm tires, the tire pressure may need to be increased up to an additional 4 psi (30 kPa) above the recommended cold placard pressure in order to turn the Tire Pressure Monitoring Telltale Light off.

The system will automatically update, the graphic display of the pressure value(s) will return to its original color and the Tire Pressure Monitoring Telltale Light will extinguish once the updated tire pressure(s) have been received. The vehicle may need to be driven for up to 10 minutes above 15 mph (24 km/h) to receive this information.

Service TPM System Warning

The Tire Pressure Monitoring Telltale Light will flash on and off for 75 seconds, and remain on solid when a system fault is detected. The system fault will also sound a chime. The DID will display a "SERVICE TPM SYSTEM" message for a minimum of five seconds. This message is then followed by a graphic display, with

“-“ in place of the pressure value(s), indicating which Tire Pressure Monitoring Sensor(s) 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 Telltale Light will no longer flash, the "SERVICE TPM SYSTEM" message will not be present, and a pressure value will be displayed instead of dashes. A system fault can occur by any of the following:

1. Jamming due to electronic devices or driving next to facilities emitting the same Radio Frequencies as the TPM sensors.
2. Installing some form of aftermarket window tinting that affects radio wave signals.
3. Lots of snow or ice around the wheels or wheel housings.
4. Using tire chains on the vehicle.
5. Using wheels/tires not equipped with TPM sensors.

NOTE:

There is no tire pressure monitoring sensor in the spare tire. The TPMS will not be able to monitor the tire pressure. If you install the 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 Telltale Light will remain ON, a chime will sound, and the DID will still display a pressure value in the different color graphic display. After driving the vehicle for up to 10 minutes above 15 mph (24 km/h), the Tire Pressure Monitoring Telltale Light will flash on and off for 75 seconds and then remain on solid. In addition, the DID will display a "SERVICE TPM SYSTEM" message for 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 Telltale Light will flash on and off for 75 seconds and then remain on solid, and the DID will display a "SERVICE TPM SYSTEM" message for 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 spare tire, the TPMS will update automatically.

In addition, the Tire Pressure Monitoring Telltale Light will turn OFF and the graphic in the DID 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 10 minutes above 15 mph (24 km/h) in order for the TPMS to receive this information.

TPMS Deactivation — If Equipped

The TPMS can be deactivated if replacing all four wheel and tire assemblies (road tires) with wheel and tire assemblies that do not have TPMS Sensors, such as when installing winter wheel and tire assemblies on your vehicle. To deactivate the TPMS, first, replace all four wheel and tire assemblies (road tires) with tires not equipped with Tire Pressure Monitoring (TPM) Sensors. Then, drive the vehicle for 10 minutes above 15 mph (24 km/h). The TPMS will chime, the "TPM Telltale Light" will flash on and off for 75 seconds and then remain on and

the Driver Information Display (DID) will display the "SERVICE TPM SYSTEM" message and then display dashes (--) in place of the pressure values. Beginning with the next ignition switch cycle, the TPMS will no longer chime or display the "SERVICE TPM SYSTEM" message in the DID but dashes (--) will remain in place of the pressure values.

To reactivate the TPMS, replace all four wheel and tire assemblies (road tires) with tires equipped with TPM sensors. Then, drive the vehicle for up to 10 minutes above 15 mph (24 km/h). The TPMS will chime, the "TPM Telltale Light" will flash on and off for 75 seconds and then turn off, and the Driver Information Display (DID) will display the "SERVICE TPM SYSTEM" message. The DID will also display pressure values in place of the dashes. On the next ignition switch cycle the "SERVICE TPM SYSTEM" message will no longer be displayed as long as no system fault exists.

FUEL REQUIREMENTS

3.6L Engine

These engines are 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.

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 problems 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 stumble. If you experience these problems, try another brand of gasoline before considering service for the vehicle.

5.7L Engine

These engines are 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 Research Octane Number for optimum performance.

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 problems 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 stumble. If you experience these problems, try another brand of gasoline before considering service for the vehicle.

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 blends are not the responsibility of the manufacturer.

CAUTION!

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.

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.

E-85 Usage In Non-Flex Fuel Vehicles

Non-Flex Fuel Vehicles (FFV) are compatible with gasoline containing up to 15% ethanol (E-15). 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.

MMT In Gasoline

Methylcyclopentadienyl Manganese Tricarbonyl (MMT) is a manganese containing metallic additive that is blended into some gasoline 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 your gasoline retailer whether or not his/her gasoline contains MMT.

Materials Added to Fuel

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 will help improve fuel economy, reduce emissions, and maintain vehicle performance.



Designated TOP TIER Detergent Gasoline contains a higher level of detergents to further aid in minimizing engine and fuel system deposits. When available, the usage of Top Tier Detergent gasoline is recommended. Visit www.toptiergas.com for a list of TOP TIER Detergent Gasoline Retailers.

Indiscriminate use of fuel system cleaning agents should be avoided. Many of these materials intended for gum and varnish removal may contain active solvents or similar ingredients. These can harm fuel system gasket and diaphragm materials.

Carbon Monoxide Warnings

WARNING!

Carbon monoxide (CO) in exhaust gases is deadly. Follow the precautions below 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.

FUEL REQUIREMENTS — DIESEL ENGINE

Use good quality diesel fuel from a reputable supplier. For most year-round service, No. 2 diesel fuel, meeting ASTM specification D-975 Grade S15, will provide good performance. If the vehicle is exposed to extreme cold (below 20° F or -7° C), or is required to operate at colder-than-normal conditions for prolonged periods, use climatized No. 2 diesel fuel or dilute the No. 2 diesel fuel with 50% No. 1 diesel fuel. This will provide better protection from fuel gelling or wax-plugging of the fuel filters. **This vehicle must only use premium diesel fuel that meets the requirements of EN 590. Bio-diesel blends up to 7% that meet EN 590 may also be used.**

WARNING!

Do not use alcohol or gasoline as a fuel-blending agent. They can be unstable under certain conditions and hazardous or explosive when mixed with diesel fuel.

CAUTION!

The manufacturer requires that you must fuel this vehicle with Ultra Low Sulfur Highway Diesel fuel (15 ppm Sulfur maximum) and prohibits the use of Low Sulfur Highway Diesel fuel (500 ppm Sulfur maximum) to avoid damage to the emissions control system.

Diesel fuel is seldom completely free of water. To prevent fuel system trouble, drain the accumulated water from the fuel/water separator using the provided fuel/water separator drain. If you buy good quality fuel and follow the cold weather advice above, fuel conditioners should not be required in your vehicle. If available in your area, a high cetane “premium” diesel fuel may offer improved cold-starting and warm-up performance.

AdBlue (Diesel Exhaust Fluid)

Your vehicle is equipped with a Selective Catalytic Reduction system to meet the very stringent diesel emissions standards required by the Environmental Protection Agency.

The purpose of the SCR system is to reduce levels of NOx (oxides of nitrogen emitted from engines) that are harmful to our health and the environment to a near-zero level. Small quantities of AdBlue is injected into the exhaust upstream of a catalyst where, when vaporized, it converts smog-forming nitrogen oxides (NOx) into harmless nitrogen (N2) and water vapor (H2O), two natural components of the air we breathe. You can operate with the comfort that your vehicle is contributing to a cleaner, healthier world environment for this and generations to come.

System Overview

This vehicle is equipped with a AdBlue injection system and a Selective Catalytic Reduction (SCR) catalyst to meet the emission requirements.

The AdBlue injection system consists of the following components:

- AdBlue tank
- AdBlue pump
- AdBlue injector

- Electronically-heated AdBlue lines
- NOx sensors
- Temperature sensors
- SCR catalyst

The AdBlue injection system and SCR catalyst enable the achievement of diesel emissions requirements; while maintaining outstanding fuel economy, drivability, torque and power ratings.

Refer to “Driver Information Display (DID)” in “Understanding Your Instrument Panel” for system messages and warnings.

NOTE:

- **Your vehicle is equipped with a AdBlue injection system. You may occasionally hear an audible clicking noise from under the vehicle at a stop. This is normal operation.**
- **The AdBlue pump will run for a period of time after engine shutdown to purge the AdBlue system. This is normal operation and may be audible from the rear of the vehicle.**

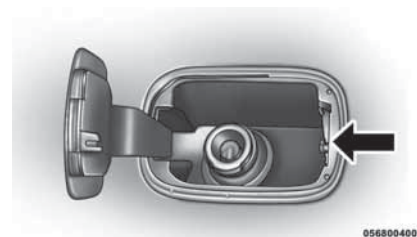
ADDING FUEL — GASOLINE ENGINE

1. Push the fuel filler door release switch (located under the headlamp switch).



Fuel Filler Door Release Switch

2. Open the fuel filler door.



Fuel Filler Door

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.

3. There is no fuel filler cap. A flapper door inside the pipe seals the system.
4. Insert the fuel nozzle fully into the filler pipe, the nozzle opens and holds the flapper door while refueling.

5. Fill the vehicle with fuel, when the fuel nozzle "clicks" or shuts off the fuel tank is full.
6. Wait 5 seconds before removing the fuel nozzle to allow fuel to drain from nozzle.
7. Remove the fuel nozzle and close the fuel door.

Emergency Gas Can Refueling

- Most gas cans will not open the flapper door.
- A funnel is provided to open the flapper door to allow emergency refueling with a gas can.
- Retrieve funnel from the spare tire storage area.
- Insert funnel into same filler pipe opening as the fuel nozzle.
- Ensure funnel is inserted fully to hold flapper door open.
- Pour fuel into funnel opening.
- Remove funnel from filler pipe, clean off prior to putting back in the spare tire storage area.

CAUTION!

To avoid fuel spillage and overfilling, do not "top off" the fuel tank after filling.

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 "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.

Emergency Fuel Filler Door Release

If you are unable to open the fuel filler door, use the fuel filler door emergency release.

1. Open the liftgate.

2. Push the inboard edge of the left storage bin to the center, this will pop up the outboard edge.
3. Grab popped up outboard edge with other hand to disengage snaps.
4. Remove the storage bin.
5. Pull the release cable to open the fuel door, push the release cable back to the home position to re-seat the fuel door latch to the closed position.



Release Cable

NOTE:

If the fuel door does not latch after the manual release cable has been activated, the actuator latch should be manually returned to the closed position.

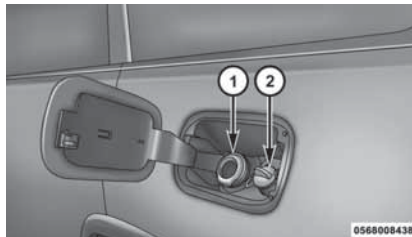
ADDING FUEL — DIESEL ENGINE

1. Push the fuel filler door release switch (located under the headlamp switch).



Fuel Filler Door Release Switch

2. Open the fuel filler door.



Diesel Fuel and AdBlue Fill Location

- 1 — Fuel Fill Location
- 2 — AdBlue Fill Location

NOTE:

There is no fuel filler cap. A flapper door inside the filler pipe seals the system.

3. Insert the fuel nozzle fully into the filler pipe – the nozzle opens and holds the flapper door while refueling.
4. Fill the vehicle with fuel – when the fuel nozzle “clicks” or shuts off the fuel tank is full.

5. Wait 5 seconds before removing the nozzle to allow fuel to drain from the nozzle.

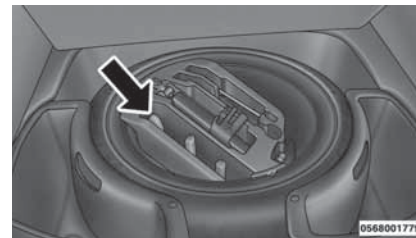
6. Remove the fuel nozzle and close the fuel door.

Emergency Fuel Can Refueling

Most fuel cans will not open the flapper door.

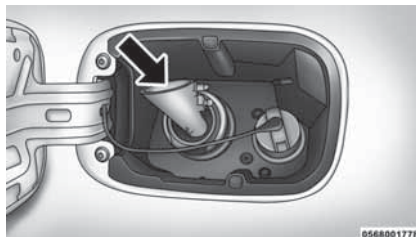
A funnel is provided to open the flapper door to allow emergency refueling with a fuel can.

1. Retrieve funnel from the spare tire kit.



Fuel Fill Funnel

2. Insert funnel into same filler pipe opening as the fuel nozzle.



Emergency Fuel Fill Location

NOTE:

Ensure funnel is inserted fully to hold flap-per door open.

3. Pour fuel into funnel opening.
4. Remove funnel from filler pipe, clean off prior to putting back in the spare tire kit.

CAUTION!

To avoid fuel spillage and overfilling, do not "top off" the fuel tank after filling.

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 "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.

Avoid Using Contaminated Fuel

Fuel that is contaminated by water or dirt can cause severe damage to the engine fuel system. Proper maintenance of the engine fuel filter and fuel tank is essential. Refer to "Maintenance Procedures" in "Maintaining Your Vehicle" for further information.

Bulk Fuel Storage — Diesel Fuel

If you store quantities of fuel, good maintenance of the stored fuel is also essential. Fuel contami-

nated with water will promote the growth of "microbes." These microbes form "slime" that will clog the fuel filtration system and lines. Drain condensation from the supply tank and change the line filter on a regular basis.

NOTE:

When a diesel engine is allowed to run out of fuel, air is pulled into the fuel system.

If the vehicle will not start, refer to "Maintenance Procedures/Priming If The Engine Has Run Out Of Fuel" in "Maintaining Your Vehicle" for further information.

WARNING!

Do not open the high pressure fuel system with the engine running. Engine operation causes high fuel pressure. High pressure fuel spray can cause serious injury or death.

AdBlue Fluid Storage

AdBlue is considered a very stable product with a long shelf life. If AdBlue is kept in tempera-

tures between 10° and 90°F (-12° and 32°C), it will last a minimum of one year.

AdBlue is subject to freezing at the lowest temperatures. For example, AdBlue may freeze at temperatures at or below 12° F (-11° C). The system has been designed to operate in this environment.

NOTE:

When working with AdBlue, it is important to know that:

- Any containers or parts that come into contact with AdBlue must be AdBlue compatible (plastic or stainless steel). Copper, brass, aluminum, iron or non-stainless steel should be avoided as they are subject to corrosion by AdBlue.
- If AdBlue is spilled, it should be wiped up completely.

Adding AdBlue

The AdBlue gauge (located on the Driver Information Display (DID display)) will display the level of AdBlue remaining in the tank. Refer to “Driver Information Display (DID)” in “Understanding Your Instrument Panel” for further information.

NOTE:

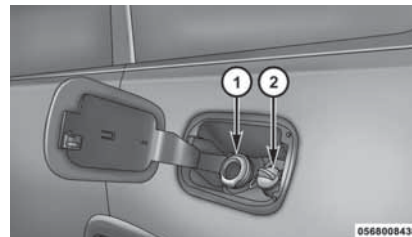
Driving conditions (altitude, vehicle speed, load, etc.) will effect the amount of AdBlue that is used in your vehicle.

AdBlue Fill Procedure

NOTE:

Refer to “Fluids, Lubricants, and Genuine Parts” in “Maintaining Your Vehicle” for the correct fluid type.

1. Remove cap from AdBlue fill inlet (located in fuel door).



Diesel Fuel and AdBlue Fill Location

1 — Fuel Fill Location

2 — AdBlue Fill Location

2. Insert AdBlue fill adapter/nozzle into AdBlue fill inlet.

NOTE:

- The AdBlue gauge may take up to five seconds to update after adding a gallon or more of AdBlue to the AdBlue tank. If you have a fault related to the AdBlue

system, the gauge may not update to the new level. See your authorized dealer for service.

- The AdBlue gauge may also not immediately update after a refill if the temperature of the AdBlue fluid is below 12F (-11C). The AdBlue line heater will possibly warm up the AdBlue fluid and allow the gauge to update after a period of run time. Under very cold conditions, it is possible that the gauge may not reflect the new fill level for several drives.

CAUTION!

- To avoid DEF spillage, and possible damage to the DEF tank from overfilling, do not "top off" the DEF tank after filling.
- DO NOT OVERFILL. DEF will freeze below 12°F (-11°C). The DEF system is designed to work in temperatures below the DEF freezing point, however, if the tank is overfilled and freezes, the system could be damaged.

(Continued)

CAUTION! (Continued)

- When DEF is spilled, clean the area immediately with water and use an absorbent material to soak up the spills on the ground.
- Do not attempt to start your engine if DEF is accidentally added to the diesel fuel tank as it can result in severe damage to your engine, including but not limited to failure of the fuel pump and injectors.
- Never add anything other than DEF to the tank – especially any form of hydrocarbon such as diesel fuel, fuel system additives, gasoline, or any other petroleum-based product. Even a very small amount of these (less than 100 parts per million or less than 1 oz. per 78 gallons) will contaminate the entire DEF system and will require replacement. If owners use a container, funnel or nozzle when refilling the tank, it should either be new or one that is has only been used for adding DEF.

(Continued)

CAUTION! (Continued)

MOPAR provides an attachable nozzle with its DEF for this purpose.

3. Stop filling the AdBlue tank immediately when any of the following happen: AdBlue stops flowing from the fill bottle into the AdBlue fill inlet, AdBlue splashes out the fill inlet, or a AdBlue pump nozzle automatically shuts off.
4. Reinstall cap onto AdBlue fill inlet.

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. Refer to "Vehicle Loading/Vehicle Certification Label" in "Starting And Operating" for further information.

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 permissible 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.

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.

Trailer Tongue Weight (TW)

The TW is the downward force exerted on the hitch ball by the trailer. You must consider this as part of the load on your vehicle.

WARNING!

An improperly adjusted hitch system may reduce handling, stability and braking performance and could result in an accident. Consult with your hitch and trailer manufacturer or a reputable trailer/caravan dealer for additional information.

Frontal Area

The frontal area is the maximum height multiplied by the maximum width of the front of a trailer.

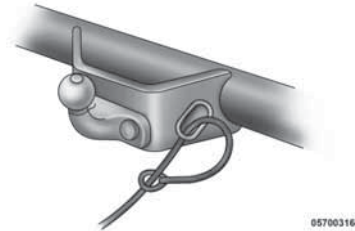
Breakaway Cable Attachment

European braking regulations for braked trailers up to 7,700 lbs (3 500 kg), require trailers to be fitted with either a secondary coupling or break-away cable.

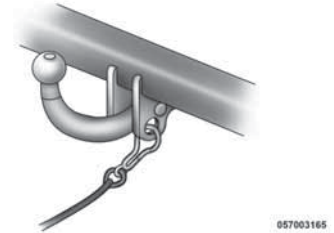
The recommended location for attaching the normal trailer's breakaway cable is in the stamped slot located on the sidewall of the hitch receiver.

With Attachment Point

- For detachable tow bar, pass the cable through the attachment point and clip it back onto itself or attach the clip directly to the designated point.



Detachable Ball Clip Loop Method

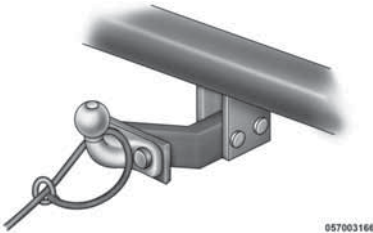


Fixed Ball Clip Loop Method

- For fixed ball tow bar, attach the clip directly to the designated point. This alternative must be specifically permitted by the trailer manufacturer since the clip may not be sufficiently strong for use in the way.

Without Attachment Points

- For detachable ball tow bar, you must follow the recommended manufacturer or supplier procedure.



Detachable Ball Neck Loop Method

- For fixed ball tow bar, loop the cable around the neck of the tow ball. If you fit the cable like this, use a single loop only.



Fixed Ball Neck Loop Method

Trailer Towing Weights (Maximum Trailer Weight Ratings)

The following chart provides the maximum trailer weight ratings towable for your given drivetrain.

Engine/Transmission	Max. GTW (Gross Trailer Wt.) — with Trailer Brake	Max. GTW (Gross Trailer Wt.) — without Trailer Brake	Tongue Wt. (See Note)
3.6L Gasoline — Standard Cooling System	3,500 lbs (1,588 kg)	1,653 lbs (750 kg)	174 lbs (79 kg)
3.6L Gasoline — Heavy Duty Cooling System	5,000 lbs (2,268 kg)	1,653 lbs (750 kg)	310 lbs (141 kg)
5.7L Gasoline — Standard Cooling System	5,000 lbs (2,268 kg)	1,653 lbs (750 kg)	250 lbs (113 kg)

Engine/Transmission	Max. GTW (Gross Trailer Wt.) — with Trailer Brake	Max. GTW (Gross Trailer Wt.) — without Trailer Brake	Tongue Wt. (See Note)
5.7L Gasoline — Heavy Duty Cooling System (ex- cept Summit)	7,716 lbs (3,500 kg)	1,653 lbs (750 kg)	386 lbs (175 kg)
5.7L Gasoline — Summit Models With Heavy Duty Cooling System	6,500 lbs (2,949 kg)	1,653 lbs (750 kg)	386 lbs (175 kg)
3.0L Diesel — Rear-Wheel Drive Models	6,500 lbs (2,949 kg)	1,653 lbs (750 kg)	324 lbs (147 kg)
3.0L Diesel — All-Wheel Drive Models (except Sum- mit)	7,716 lbs (3,500 kg)	1,653 lbs (750 kg)	386 lbs (175 kg)
3.0L Diesel — Summit Models	6,500 lbs (2,949 kg)	1,653 lbs (750 kg)	324 lbs (147 kg)
When towing a trailer the technically permissible laden weight may be exceeded by not more than 10% or 220 lbs (100 kg), whichever is lower pro- vided that the operating speed is restricted to 62 mph (100 km/h) or less.			
NOTE: The trailer tongue weight must be considered as part of the combined weight of occupants and cargo, and should never exceed the weight refer- enced on the Tire and Loading Information placard. Refer to “Tires – General Information” in “Starting and Operating” for further information.			

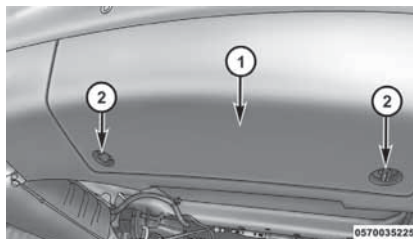
Trailer Hitch Receiver Cover Removal (Summit Models) — If Equipped

Your vehicle may be equipped with a trailer hitch receiver cover, this must be removed to access the trailer hitch receiver (if equipped). This hitch receiver cover is located at the bottom center of the rear fascia.

1. Turn the two locking retainers located at the bottom of the hitch receiver cover a 1/4 turn counterclockwise.

NOTE:

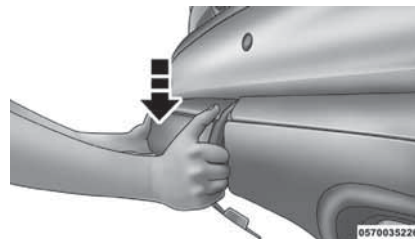
Use a suitable tool such as a coin in the slot of the locking retainer if needed for added leverage.



Hitch Receiver Cover

- 1 — Hitch Receiver Cover
2 — Locking Retainers

2. Pull the bottom of the cover outward (towards you), pull downwards to disengage the tabs located at the top of the hitch receiver cover.



Hitch Receiver Cover

To reinstall the hitch receiver cover after towing repeat the procedure in reverse order.

NOTE:

Be sure to engage all tabs of the hitch receiver cover in the bumper fascia prior to installation.

Trailer And Tongue Weight

Never exceed the maximum tongue weight stamped on your trailer hitch.

Consider the following items when computing the weight on the front/rear axles of the vehicle:

- The trailer tongue weight 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 authorized dealer-installed options, must be considered as part of the total load on your vehicle. Refer to the tire loading information placard located on the drivers door pillar for the maximum combined weight of occupants and cargo for your vehicle.

Towing Requirements

To promote proper break-in of your new vehicle drivetrain 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 "Maintenance Schedule". Refer to "Maintenance Schedule" 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 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.

(Continued)

WARNING! (Continued)

- 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:**

1. GVWR
2. GTW

(Continued)

WARNING! (Continued)

3. GAWR
4. Tongue weight rating for the trailer hitch utilized.

Towing Requirements — Tires

- Proper tire inflation pressures are essential to the safe and satisfactory operation of your vehicle. Refer to "Tires – General Information" in "Starting And Operating" for proper tire inflation procedures.
- 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. Refer to "Tires – General Information" in "Starting And Operating" for proper inspection procedure.
- When replacing tires, refer to "Tires – General Information" in "Starting And Operating" for proper tire replacement procedures. Replacing tires with a higher load carrying capacity will not increase the vehicle's GVWR and GAWR limits.

Towing Requirements — Trailer Brakes

- Do **not** interconnect the hydraulic brake system or vacuum system of your vehicle with that of the trailer. This could cause inadequate braking and possible personal injury.
- 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 lbs (453 kg), and required for trailers in excess of 1,654 lbs (750 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.

(Continued)

WARNING! (Continued)

- 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.

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 motoring safety.

The Trailer Tow Package includes a 13 pin wiring harness. Use a factory approved trailer harness and connector.

NOTE:

Do not cut or splice wiring into the vehicles wiring harness.

The electrical connections are all complete to the vehicle but you must mate the harness to a trailer connector.



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13-Pin Connector

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

Pin Number	Function	Wire Color
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 (+12V)	Red
10	Power Supply Controlled by Ignition Switch (+12V)	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.

Towing Tips

Before setting out on a trip, practice turning, stopping and backing the trailer in an area 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, you can use the AutoStick shift control to manually select a lower gear.

NOTE:

Using a lower gear 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.

AutoStick

- When using the AutoStick shift control, select the highest gear that allows for adequate performance and avoids frequent downshifts. For example, choose "5" if the desired speed can be maintained. Choose "4" or "3" if needed to maintain the desired speed.
- To prevent excess heat generation, avoid continuous driving at high RPM. Reduce vehicle speed as necessary to avoid extended driving at high RPM. Return to a higher gear or vehicle speed when grade and road conditions allow.

Electronic Speed Control — If Equipped

- Do not use in hilly terrain or with heavy loads.
- When using the speed control, if you experience speed drops greater than 10 mph (16 km/h), disengage until you can get back to cruising speed.
- Use speed control in flat terrain and with light loads to maximize fuel efficiency.

Cooling System

To reduce potential for engine and transmission overheating, take the following actions:

City Driving

When stopped for short periods of time, shift the transmission into NEUTRAL and increase engine idle speed.

Highway Driving

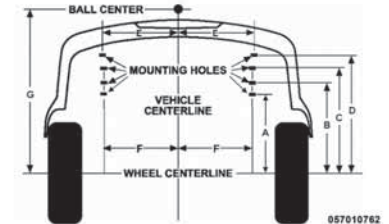
Reduce speed.

Air Conditioning

Turn off temporarily.

Trailer Hitch Attaching Points

Your vehicle will require extra equipment to tow a trailer safely and efficiently. The trailer tow hitch must be attached to your vehicle using the provided attaching points on the vehicle's frame. Refer to the following chart to determine the accurate attaching points. Other equipment, such as trailer sway controls and braking equipment, trailer equalizing (leveling) equipment and low profile mirrors, may also be required or strongly recommended.



Trailer Tow Hitch Attaching Points And Overhang Dimensions	
	Fixed, Detach and Retractable Hitch
A	1.85 ft. (565 mm)
B	2.09 ft. (636 mm)
C	2.32 ft. (707 mm)
D	2.4 ft. (733 mm)
E	1.62 ft. (494 mm)
F	1.47 ft. (447 mm)
G (Maximum Overhang)	3.59 ft. (1093 mm)

RECREATIONAL TOWING (BEHIND MOTORHOME, ETC.)

Towing This Vehicle Behind Another Vehicle

Towing Condition	Wheels OFF the Ground	Two-Wheel Drive Models	Four-Wheel Drive Models Without 4-LO Range	Four-Wheel Drive Models With 4-LO Range
Flat Tow	NONE	NOT ALLOWED	NOT ALLOWED	See Instructions • Transmission in PARK • Transfer case in NEUTRAL (N) • Tow in forward direction • Disconnect negative battery cable
Dolly Tow	Front	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED
	Rear	OK	NOT ALLOWED	NOT ALLOWED
On Trailer	ALL	OK	OK	OK

NOTE:

- When towing your vehicle, always follow applicable state and provincial laws. Contact state and provincial Highway Safety offices for additional details.

- Vehicles equipped with Quadra-Lift must be placed in Transport Mode before tying them down (from the body) on a trailer or flatbed truck. Refer to “Quadra-Lift – If Equipped” in “Starting and Operating” for more information. If the vehicle cannot be placed in Transport mode (for example,

engine will not run), tie-downs must be fastened to the tires (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 – Two-Wheel Drive Models

DO NOT flat tow this vehicle. Damage to the drivetrain will result.

Recreational towing (for two-wheel drive models) is allowed **ONLY** if the rear wheels are OFF the ground. This may be accomplished using a tow dolly or vehicle trailer. If using a tow dolly, follow this procedure:

1. Properly secure the dolly to the tow vehicle, following the dolly manufacturer's instructions.

NOTE:

If vehicle is equipped with Quadra-Lift air suspension, ensure the vehicle is set to Normal Ride Height.

2. Drive the rear wheels onto the tow dolly.
3. Firmly apply the parking brake. Shift the transmission into PARK.
4. Turn the ignition to the OFF mode.

5. Properly secure the rear wheels to the dolly, following the dolly manufacturer's instructions.

6. Turn the ignition to the ON/RUN mode, but do not start the engine.

7. Confirm that the steering column is unlocked.

8. Install a suitable clamping device, designed for towing, to secure the front wheels in the straight position.

9. Disconnect the negative battery cable, and secure it away from the battery post.

NOTE:

Disconnecting your vehicle battery will erase radio presets and may affect other vehicle settings. It may also trigger various fault codes, causing MIL illumination when the battery is reconnected.

CAUTION!

Towing with the rear wheels on the ground will cause severe transmission damage. Damage from improper towing is not covered under the New Vehicle Limited Warranty.

Recreational Towing — Quadra-Trac I (Single-Speed Transfer Case) Four-Wheel Drive Models

Recreational towing is not allowed. These models do not have a NEUTRAL (N) position in the transfer case.

NOTE:

This vehicle may be towed on a flatbed or vehicle trailer provided all four wheels are OFF the ground.

CAUTION!

Towing this vehicle in violation of the above requirements can cause severe transmission and/or transfer case damage. Damage from

(Continued)

CAUTION! (Continued)

improper towing is not covered under the New Vehicle Limited Warranty.

Recreational Towing — Quadra-Trac II /Quadra-Drive II Four-Wheel Drive Models

The transfer case must be shifted into NEUTRAL (N) and the transmission must be in PARK for recreational towing. The NEUTRAL (N) selection button is adjacent to the transfer case selector switch. Shifts into and out of transfer case NEUTRAL (N) can take place with the selector switch in any mode position.

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).

(Continued)

CAUTION! (Continued)

- Tow only in a forward direction. Towing this vehicle backwards can cause severe damage to the transfer case.
- The transmission must be in PARK for recreational towing.
- Before recreational towing, perform the procedure outlined under "Shifting into NEUTRAL (N)" to be certain that the transfer case is fully in NEUTRAL (N). Otherwise, internal damage will result.
- Towing this vehicle in violation of the above 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 use a bumper-mounted clamp-on tow bar on your vehicle. The bumper face bar will be damaged.

Shifting Into NEUTRAL (N)**WARNING!**

You or others could be injured or killed if you leave the vehicle unattended with the transfer case in the NEUTRAL (N) position without first fully engaging the parking brake. The transfer case NEUTRAL (N) 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.

Use the following procedure to prepare your vehicle for recreational towing.

CAUTION!

It is necessary to follow these steps to be certain that the transfer case is fully in NEUTRAL (N) before recreational towing to prevent damage to internal parts.

1. Bring the vehicle to a complete stop, with the engine running.
2. Press and hold the brake pedal.
3. Shift the transmission into NEUTRAL.
4. If vehicle is equipped with Quadra-Lift air suspension, ensure the vehicle is set to Normal Ride Height.
5. Using a ballpoint pen or similar object, press and hold the recessed transfer case NEUTRAL (N) button (located by the selector switch) for four seconds. The light behind the N symbol will blink, indicating shift in progress. The light will stop blinking (stay on solid) when the shift to NEUTRAL (N) is complete. A "FOUR WHEEL DRIVE SYSTEM IN NEUTRAL" message will appear in the Driver Information Display (DID). Refer to "Driver Information Display (DID)" in "Understanding Your Instrument Panel" for further information.



NEUTRAL (N) Switch

6. After the shift is completed and the NEUTRAL (N) light stays on, release the NEUTRAL (N) button.
7. Shift the transmission into REVERSE.
8. Release the brake pedal for five seconds and ensure that there is no vehicle movement.
9. Press and hold the brake pedal. Shift the transmission back into NEUTRAL.
10. Firmly apply the parking brake.
11. With the transmission and transfer case in NEUTRAL, press and hold the ENGINE START/STOP button until the engine turns off.
12. Move the transmission gear selector to PARK. Release the brake pedal.
13. Press the ENGINE STOP/START button again (without pressing the brake pedal), if needed, to turn the ignition to the OFF mode.
14. Attach the vehicle to the tow vehicle using a suitable tow bar.
15. Turn the ignition to the ON/RUN mode, but do not start the engine.
16. Release the parking brake.
17. Confirm that the steering column is unlocked.
18. Disconnect the negative battery cable, and secure it away from the negative battery post.

NOTE:

Disconnecting your vehicle battery will erase radio presets and may affect other vehicle settings. It may also trigger various fault codes, causing MIL illumination when the battery is reconnected.

NOTE:

- Steps 1 through 4 are requirements that must be met before pressing the NEUTRAL (N) button, and must continue to be met until the shift has been completed. If any of these requirements are not met before pressing the NEUTRAL (N) button or are no longer met during the shift, then the NEUTRAL (N) indicator light will flash continuously until all requirements are met or until the NEUTRAL (N) 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 NEUTRAL (N) position indicator light indicates that shift requirements have not been met.
- If the vehicle is equipped with Quadra-Lift 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 NEUTRAL (N)

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. Firmly apply the parking brake.
3. Reconnect the negative battery cable.
4. Turn the ignition to the LOCK/OFF mode.
5. Start the engine.
6. Press and hold the brake pedal.
7. Shift the transmission into NEUTRAL.

8. Using a ballpoint pen or similar object, press and hold the recessed transfer case NEUTRAL (N) button (located by the selector switch) for one second.



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NEUTRAL (N) Switch

9. When the NEUTRAL (N) indicator light turns off, release the NEUTRAL (N) button. After the NEUTRAL (N) button has been released, the transfer case will shift to the position indicated by the selector switch.
10. Shift the transmission into PARK. Turn the engine OFF.
11. Release the brake pedal.

12. Disconnect vehicle from the tow vehicle.
13. Start the engine.
14. Press and hold the brake pedal.
15. Release the parking brake.
16. Shift the transmission into DRIVE, release the brake pedal, and check that the vehicle operates normally.

NOTE:

- Steps 1 through 5 are requirements that must be met before pressing the NEUTRAL (N) button, and must continue to be met until the shift has been completed. If any of these requirements are not met before pressing the NEUTRAL (N) button or are no longer met during the shift, the NEUTRAL (N) indicator light will flash continuously until all requirements are met or until the NEUTRAL (N) 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 NEUTRAL (N) position indicator light indicates that shift requirements have not been met.

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HAZARD WARNING FLASHERS

The Hazard Warning flasher switch is located on the switch bank just above the climate controls.



Push the switch to turn on the Hazard Warning flasher. When the switch is activated, all directional turn signals will flash on and off to warn oncoming traffic of an emergency. Push the switch 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 it when your vehicle is disabled and it is creating a safety hazard for other motorists.

When you must leave 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 discharge the battery.

IF YOUR ENGINE OVERHEATS

In any of the following situations, you can reduce the potential for overheating by taking the appropriate action.

- On the highways — slow down.
- In city traffic — while stopped, place the transmission in NEUTRAL, but do not increase the engine idle speed while preventing vehicle motion with the brakes.

NOTE:

There are steps that you can take to slow down an impending overheat condition:

- **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.**

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.

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.

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.

Torque Specifications

Lug Nut/Bolt Torque	**Lug Nut/Bolt Size	Lug Nut/Bolt Socket Size
130 Ft-Lbs (176 N.m)	M14 x 1.50	22 mm

**Use only your Authorized Dealer recommended lug nuts/bolts and clean or remove any dirt or oil before tightening.

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.

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.



Torque Patterns

WARNING!

To avoid the risk of forcing the vehicle off the jack, do not tighten the lug nuts fully until the vehicle has been lowered. Failure to follow this warning may result in personal injury.

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.
- 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.

(Continued)

WARNING! (Continued)

- 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.

Jack Location

The scissor-type jack and tire changing tools are located in rear cargo area, below the load floor.



Jack Storage Location

NOTE:

The funnel for the Cap-Less Fuel System is located on top of the spare tire. If your vehicle is out of fuel and an auxiliary fuel can is needed, insert the funnel into the filler neck and proceed to fill the vehicle. For vehicles not equipped with a spare tire, the fuel filler funnel is stored in the left storage bin under the load floor. For more information on the Cap-Less Fuel System refer to “Adding Fuel” in “Starting And Operating” in this manual.

Spare Tire Stowage

The spare tire is stowed under the load floor in the rear cargo area and is secured to the body with a special wing nut.

Preparations For Jacking

CAUTION!

Always lift or jack the vehicle from the correct jacking points. Failure to follow this information could cause damage to the vehicle or underbody components.

1. Park the vehicle on a firm, level surface. Avoid ice or slippery surfaces.

WARNING!

Do not attempt to change a tire on the side of the vehicle closest 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 flasher.
3. Set the parking brake.
4. Place the gear selector into PARK.
5. Turn the ignition OFF.
6. Block both the front and rear of the wheel diagonally opposite of the jacking position. For example, if changing the right front tire, block the left rear wheel.

**NOTE:**

Passengers should not remain in the vehicle when the vehicle is being jacked.

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7. For vehicles equipped with Quadra-Lift, refer to “Quadra-Lift — If Equipped” in “Starting And Operating” for further information on disabling automatic leveling.

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 flasher.
- Chock the wheel diagonally opposite the wheel to be raised.
- Set the parking brake firmly and set an automatic transmission in PARK.
- Never start or run the engine with the vehicle on a jack.

(Continued)

WARNING! (Continued)

- Do not let anyone sit in the vehicle when it is on a jack.
- 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.

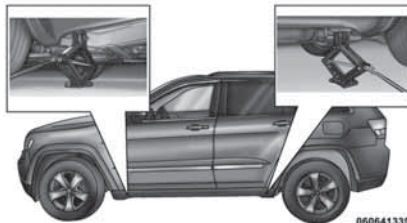
1. Remove the spare tire, jack, and tools from storage.
2. Loosen (but do not remove) the wheel lug nuts by turning them to the left, one turn, while the wheel is still on the ground.

3. Assemble the jack and jacking tools.



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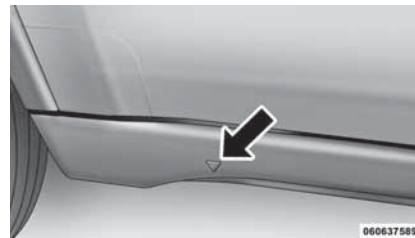
Jack And Tool Assembly



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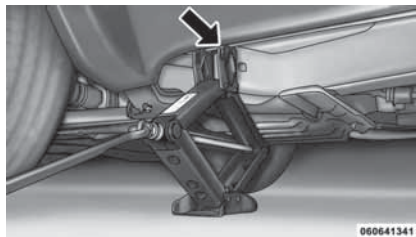
Jacking Locations

4. For the front axle, place the jack on the body flange just behind the front tire as indicated by the triangular lift point symbol on the sill molding. **Do not raise the vehicle until you are sure the jack is fully engaged.**



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Lift Point Symbol On Sill Molding



Front Jacking Location

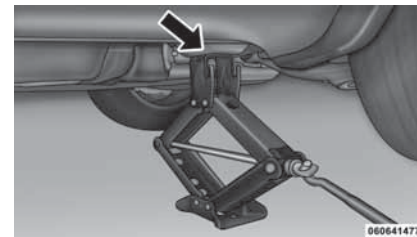
5. For a rear tire, place the jack in the slot on the rear tie-down bracket, just forward of the rear tire (as indicated by the triangular lift point symbol on the sill molding). **Do not raise the vehicle until you are sure the jack is fully engaged.**

CAUTION!

Do NOT raise the vehicle by the body side sill molding. Be sure the jack is placed in the proper engagement location on the inside of the panel. Damage of the vehicle may occur if the procedure is not properly followed.



Lift Point Symbol On Sill Molding



Rear Jacking Location

6. Raise the vehicle by turning the jack screw clockwise. Raise the vehicle only until the tire just clears the surface and enough clearance is obtained to install the spare tire. Minimum tire lift provides maximum stability.

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.

7. Remove the lug nuts and wheel.
8. Position the spare wheel/tire on the vehicle and install the lug nuts with the cone-shaped end toward the wheel. Lightly tighten the nuts.

CAUTION!

Be sure to mount the spare tire with the valve stem facing outward. The vehicle could be damaged if the spare tire is mounted incorrectly.



Mounting Spare Tire

WARNING!

To avoid the risk of forcing the vehicle off the jack, do not tighten the lug nuts fully until the vehicle has been lowered. Failure to follow this warning may result in serious injury.

9. Lower the vehicle by turning the jack screw counterclockwise, and remove the jack and wheel blocks.
10. Finish tightening the lug nuts. Push down on the wrench while at the end of the handle for increased leverage. Tighten the lug nuts in a star pattern until each nut has been tightened twice. For correct lug nut torque refer to Torque Specifications in this section. If in doubt about the correct tightness, have them checked with a torque wrench by your authorized dealer or at a service station.
11. Lower the jack to the fully closed position and return it and the tools to the proper positions in the foam tray.
12. Remove the small center cap and securely store the road wheel in the cargo area.



Stowed Spare

13. Have the aluminum road wheel and tire repaired as soon as possible, properly secure the spare tire with the special wing nut torqued to 3.7 ft-lbs (5 N-m), reinstall the jack and tool kit foam tray, and latch the rear load floor cover.

NOTE:

During a flat tire repair, have the TPM sensor checked for visual damage. It is recommended the sensor is replaced after a flat tire condition.

NOTE:

Do not drive with the spare tire installed for more than 50 miles (80 km) at a max speed of 50 mph (80 km/h).

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.

Road Tire Installation

1. Mount the road tire on the axle.
2. Install the remaining lug nuts with the cone shaped end of the nut toward the wheel. Lightly tighten the lug nuts.

WARNING!

To avoid the risk of forcing the vehicle off the jack, do not tighten the lug nuts fully until the vehicle has been lowered. Failure to follow this warning may result in personal injury.

3. Lower the vehicle to the ground by turning the jack handle counterclockwise.
4. Refer to Torque Specifications for proper lug nut torque.
5. After 25 miles (40 km) check the lug nut torque with a torque wrench to ensure that all lug nuts are properly seated against the wheel.

Declaration Of Conformance

1. The undersigned, Tony Fabiano, representing the manufacturer, herewith declares that the machinery described below fulfills all relevant provisions of:

- The EC-directive 2006/42/EC on Machinery

2. Description of machinery.

a) Generic Denomination: Vehicle Jack

b) Function: Lifting Vehicle

d) Vehicle Model	c) Model Code	f) Working Load	e) Jack Type
Jeep® Compass	MK	1200 kg Max	FGMF1
Jeep Cherokee	KL	1000 kg Max	FGLF1
Jeep Wrangler	JK	1000 kg Max	FGLF2

d) Vehicle Model	c) Model Code	f) Working Load	e) Jack Type
Jeep® Compass	MK	1200 kg Max	FGMF1
Jeep Grand Cherokee	WK	1700 kg Max	FGLF3

3. Manufacturers (1):

FlexNGate Seeburn, a division of Ventra Group Co

P.O. Box 1170, 65 Industrial Road, Tottenham, ON CANADA L0G 1W0

4. Manufacturers (2):

FlexNGate Querétaro Ventramex, S.A. de C.V

Av. Manantiales No. 3

Parque Industrial Bernardo Quintana, El Marqués Querétaro C.P. 76249 – Mexico

5. Legal Person authorized to compile the technical file:

FlexNGate – Barcelona

Avda de la Riera, 7-9

Sant Just Desvern, Barcelona, SPAIN 08960

6. References to harmonized standards: PF-12074

7. Done at: Bradford, ON CANADA

8. Date: 09/30/2015



Tony Fabiano

0605091831US

Deutsch (German)

EG-Konformitätserklärung

1. Der Unterzeichner, Tony Fabiano, Vertreter der Hersteller, erklärt hiermit, das die unten beschriebenen Maschinen den relevanten Bestimmungen von folgender Richtlinie entsprechen:
 - EG-Richtlinie 2006/42/EC für Maschinen
2. Beschreibung der Maschine
 - a) Allgemeine Bezeichnung: Scherenwagenheber
 - b) Funktion: Anhebung des Kraftfahrzeugs
 - c) Typenschlüssel
 - d) Modell Kommerzielle Informationen
 - e) Typ
 - f) Nutzlast
3. Hersteller (1)
4. Hersteller (2)

5. Juristische Person, die bevollmächtigt ist, die technische Datei zu erstellen
6. Bezug auf Standard Übereinstimmungen
7. Ausgestellt in
8. Datum

Jack Usage Precautions

To complete the Use and Maintenance Handbook to which this supplement is attached, given below are some instructions on the proper use of the jack.

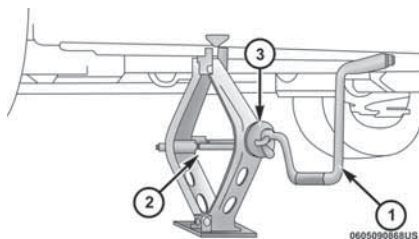
WARNING!

When using the crank (1), make sure it turns freely without the risk of scraping hands against the ground.

Even the moving parts of the jack, the "worm screw" (2) and joints (3) can cause injuries: avoid contact with them. Clean it thoroughly if dirtied with grease.

CAUTION!

The jack is a tool designed exclusively for changing a wheel, in case of a puncture or damage to a tire of the vehicle on which it is fitted or on vehicles of the same model. Any other use, e.g. to jack up other vehicle models or different things, is strictly prohibited. Never use it to carry out maintenance or repairs under the vehicle or to change summer/winter wheels and vice versa. Never go under the raised vehicle. If any work under the vehicle is necessary, contact the Fiat Service Network. Incorrect placing of the jack can cause the vehicle to drop: use it only in the positions indicated. Do not use the jack for loads higher than that specified on the label. Never start the engine with vehicle raised. If the vehicle is raised more than necessary, everything can become more unstable, with the risk of the vehicle dropping violently. Therefore raise the vehicle only as much as necessary for the wheel/spare.



Example Jack

- 1 — Crank
2 — Worm Screw
3 — Joint

Maintenance

- Make sure grime does not build up on the “worm screw”
- Keep the “worm screw” lubricated
- Never modify the jack.

Conditions Of Non-Use:

- temperatures below -40°C
- on sandy or muddy ground
- on uneven ground
- on steep roads
- in extreme weather conditions: thunderstorms, typhoons, hurricanes, blizzards, storms, etc.

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!

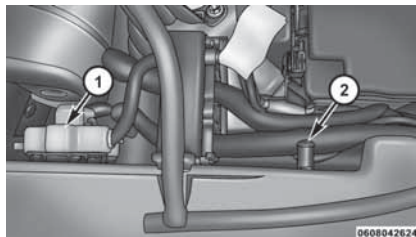
Do not use a portable battery booster pack or any other booster source with a system voltage greater than 12 Volts or damage to the battery, starter motor, alternator or electrical system may occur.

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 under the passenger’s front seat. There are remote locations located under the hood to assist in jump-starting.



Remote Battery Posts

- 1 — Remote Positive (+) Post (covered with protective cap)
2 — Remote Negative (-) 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.

(Continued)

WARNING! (Continued)

- Remove any metal jewelry such as rings, watch bands and bracelets that could make an inadvertent electrical contact. You could be seriously injured.
- 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.

NOTE:

Be sure that the disconnected ends of the cables do not touch while still connected to the either vehicle.

1. Set the parking brake, shift the automatic transmission into PARK and turn the ignition to LOCK.
2. Turn off the heater, radio, and all unnecessary electrical accessories.

3. Remove the protective cover over the remote positive (+) battery post. Pull upward on the cover to remove it.
4. If using another vehicle to jump-start the battery, park the vehicle within the jumper cables reach, set 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.

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.

NOTE:

Make sure at all times that unused ends of jumper cables are not contacting each other or either vehicle while making connections.
Connecting The Jumper Cables

1. Connect the positive (+) end of the jumper cable to the remote positive (+) post of the discharged vehicle.
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.

4. Connect the opposite end of the negative (-) jumper cable to the remote negative (-) post of the vehicle with the discharged battery.

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. Only use the specific ground point, do not use any other exposed metal parts.

5. 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 run the booster vehicle engine above 2000 rpm since it provides no charging benefit, wastes fuel and can damage booster vehicle engine.

6. Once the engine is started, remove the jumper cables in the reverse sequence:

Disconnecting The Jumper Cables

1. Disconnect the negative (-) end of the jumper cable from the remote negative (-) post of the discharged vehicle.
2. Disconnect the opposite end of the negative (-) jumper cable from the negative (-) post of the booster battery.
3. Disconnect the positive (+) end of the jumper cable from the positive (+) post of the booster battery.
4. Disconnect the opposite end of the positive (+) jumper cable from the remote positive (+) post of the discharged vehicle.
5. Reinstall the protective cover over the remote positive (+) post of the discharged vehicle.

If frequent jump-starting is required to start your vehicle you should have the battery and charging system tested at your 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.

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. Push and hold the lock button on the gear selector. Then shift back and forth between DRIVE and REVERSE while gently pressing the accelerator.

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 for more than two

seconds, you must press the brake pedal to engage DRIVE or REVERSE.

Use the least amount of accelerator pedal pressure that will maintain the rocking motion without spinning the wheels or racing the engine.

NOTE:

Push the "ESC Off" switch (if necessary), to place the Electronic Stability Control (ESC) system in "Partial Off" mode, before rocking the vehicle. Refer to "Electronic Brake Control" in "Starting And Operating" for further information. Once the vehicle has been freed, push the "ESC Off" switch again 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

(Continued)

WARNING! (Continued)

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.

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.

(Continued)

CAUTION! (Continued)

- 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).



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Tow Eye

Tow Eye Usage Precautions

NOTE:

- **Ensure that the tow eye is properly seated and secure in the mounting receptacle.**
- **The tow eye is recommended for use with an approved tow bar and or rope.**
- **Do not use the tow eye to pull the vehicle onto a flatbed truck.**

- **Do not use the tow eye to free a stuck vehicle. Refer to “Freeing A Stuck Vehicle” in this section for further information.**

WARNING!

Stand clear of vehicles when pulling with tow eyes.

- Do not use a chain with a tow eye. Chains may break, causing serious injury or death.
- Do not use a tow strap with a tow eye. Tow straps may break or become disengaged, causing serious injury or death.
- Failure to follow proper tow eye usage may cause components to break resulting in serious injury or death.

TOW EYE USAGE

Your vehicle is equipped with a tow eye that can be used to tow a disabled vehicle.

When using a tow eye be sure to follow the “Tow Eye Usage Precautions” and the “Towing A Disabled Vehicle” instructions in this section.



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Tow Eye Warning Label

CAUTION!

- The tow eye must be used exclusively for roadside assistance operations. Only use the tow eye with an appropriate device in accordance with the highway code (a rigid bar or rope) to flat tow the vehicle for a short distance to the nearest service location.
- Tow eyes **MUST NOT** be used to tow vehicles off the road or where there are obstacles.

(Continued)

CAUTION! (Continued)

- In compliance with the above conditions, towing with a tow eye must take place with two vehicles (one towing, the other towed) aligned as much as possible along the same center line. Damage to your vehicle may occur if these guidelines are not followed.

Front Tow Eye Installation

The front tow eye receptacle is located behind a door on the front bumper fascia

To install the tow eye, open the door using the vehicle key or a small screwdriver, and thread the tow eye into the receptacle.

Insert the flat end of the jack handle through the tow eye and tighten, refer to “Jacking and Tire Changing” in this section for further information”. The tow eye must be fully seated to the attaching bracket through the lower front fascia. If the tow eye is not fully seated to the attaching bracket, the vehicle should not be towed.

EMERGENCY TOW HOOKS — IF EQUIPPED

If your vehicle is equipped with tow hooks, there will be one in the rear and two mounted on the front of the vehicle. The rear hook will be located on the driver's side of the vehicle.

NOTE:

For off-road recovery, it is recommended to use both of the front tow hooks to minimize the risk of damage to the vehicle.

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.

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.

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 under “Recreational Towing” in the “Starting and Operating” section.

NOTE:

Vehicles equipped with Quadra-Lift must be placed in Transport mode, before tying them down (from the body) on a trailer or flatbed truck. Refer to the section on Quadra-Lift for more information. 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	2WD Models	4WD Models
Flat Tow	NONE	If transmission is operable: • Transmission in NEUTRAL • 30 mph (48 km/h) max speed • 30 miles (48 km) max distance	See instructions in “Recreational Towing” under “Starting and Operating” • Transmission in PARK • Transfer Case in NEUTRAL • Tow in forward direction
Wheel Lift or Dolly Tow	Front		NOT ALLOWED
	Rear	OK	NOT ALLOWED
Flatbed	ALL	BEST METHOD	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 manufacturer's instructions. Use of safety chains is mandatory. Attach a tow bar or other towing device to main structural members of the vehicle, not to 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 position, not the ACC position.

If the vehicle's battery is discharged, refer to “Manual Park Release” in this section for instructions on shifting the transmission out of PARK for towing.

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.
- If the vehicle being towed requires steering, the ignition switch must be in the ACC or ON/RUN position, not in the LOCK/OFF position.

Without The Key Fob

Special care must be taken when the vehicle is towed with the ignition in the LOCK/OFF position. The only approved method of towing without the Key Fob is with a flatbed truck. Proper towing equipment is necessary to prevent damage to the vehicle.

Two-Wheel Drive Models

The manufacturer recommends towing your vehicle with all four wheels **OFF** the ground using a flatbed.

If flatbed equipment is not available, and the transmission is operable, the vehicle may be towed (with rear wheels on the ground) under the following conditions:

- The transmission must be in NEUTRAL. Refer to "Manual Park Release" in this section for instructions on shifting the transmission to NEUTRAL when the engine is off.
- The towing speed must not exceed 30 mph (48 km/h).
- The towing distance must not exceed 30 miles (48 km).

If the transmission is not operable, or the vehicle must be towed faster than 30 mph (48 km/h) or farther than 30 miles (48 km), tow with the rear wheels **OFF** the ground. Acceptable methods are to tow the vehicle on a flatbed, or with the front wheels raised and the rear wheels on a towing dolly, or (when using a suitable steering wheel stabilizer to hold the front wheels in the straight position) with the rear wheels raised and the front wheels on the ground.

CAUTION!

- Towing this vehicle in violation of the above requirements can cause severe transmission damage. Damage from improper towing is not covered under the New Vehicle Limited Warranty.

Four-Wheel Drive Models

The manufacturer recommends towing with all wheels **OFF** the ground. Acceptable methods are to tow the vehicle on a flatbed or with one end of vehicle raised and the opposite end on a towing dolly.

If flatbed equipment is not available, and the transfer case is operable, vehicles **with a two-speed transfer case** 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**. Refer to "Recreational Towing" in "Starting And Operating" for detailed instructions.

Vehicles equipped with a single-speed transfer case have no NEUTRAL position, and therefore **must** be towed with all four wheels **OFF** the ground.

CAUTION!

- Front or rear wheel lifts must not be used. 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 above requirements can cause severe transmission and/or transfer case damage. Damage from improper towing is not covered under the New Vehicle Limited Warranty.

MANUAL PARK RELEASE

WARNING!

Always secure your vehicle by fully applying the parking brake, before 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 connection 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 (such as a dead battery), a Manual Park Release is available.

Follow these steps to use the Manual Park Release:

1. Firmly apply the parking brake.

2. Open the center console and locate the Manual Park Release cover, remove it by snapping the cover away from the console hinges.



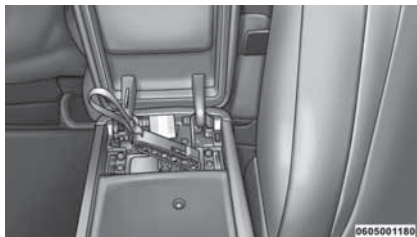
Manual Park Release Cover

3. Using a screwdriver or similar tool, push the metal latch in towards the tether strap.



Release Latch

4. While the metal latch is in the open position, simultaneously pull upwards on the tether strap until the lever clicks and latches in the released position. The transmission is now out of PARK and the vehicle can be moved.



Released Position

CAUTION!

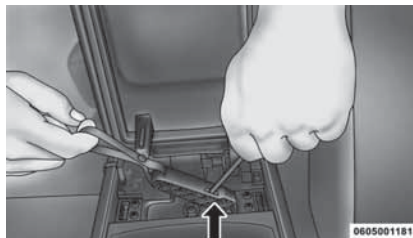
Closing the armrest while the Manual Park Release is activated may damage the Manual Park Release mechanism, the transmission, and/or the armrest.

NOTE:

To prevent the vehicle from rolling unintentionally, firmly apply the parking brake.

To Disengage the Manual Park Release Lever:

1. To disengage the Manual Park Release apply tension upward while pushing the release latch towards the tether to unlock the lever.



Release Latch

2. Once the tension has been released and the lever has been unlocked be sure it is stowed properly and locks into position.



Stowed Position

NOTE:

Be sure to replace the cover by snapping it back in place.

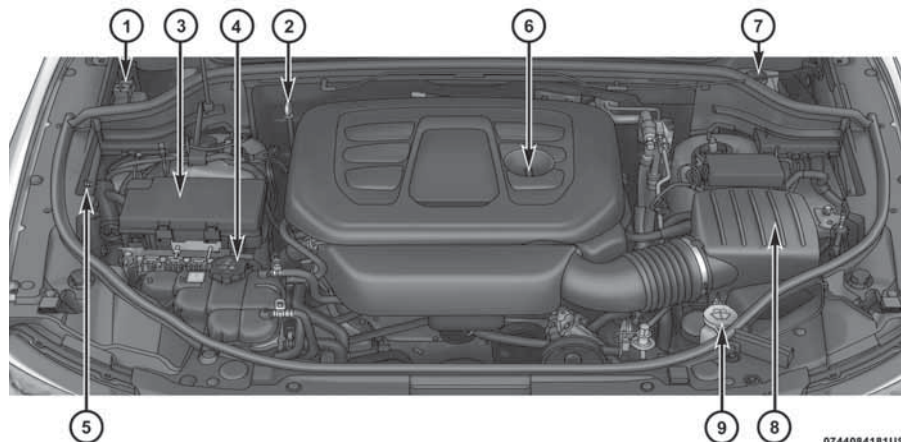
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ENGINE COMPARTMENT — 3.6L

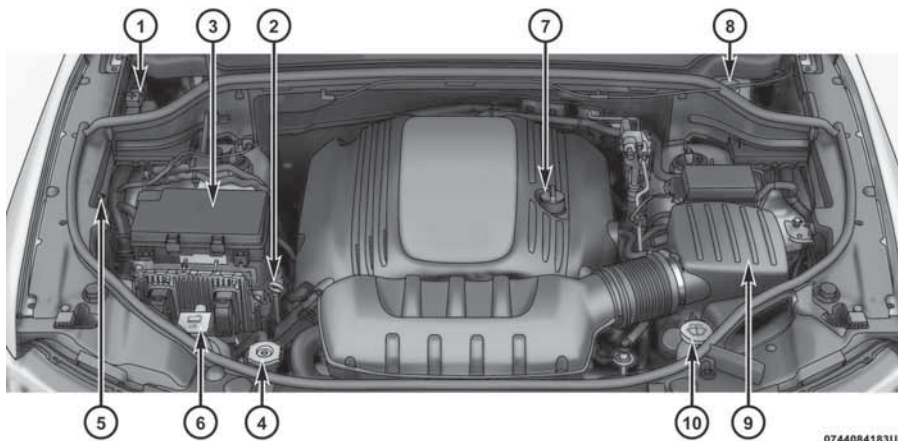


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- 1 — Remote Jump Start Positive Terminal
- 2 — Engine Oil Dipstick
- 3 — Power Distribution Center (Fuses)
- 4 — Coolant Pressure Cap (Reservoir)
- 5 — Remote Jump Start Negative Terminal

- 6 — Engine Oil Fill
- 7 — Brake Fluid Reservoir
- 8 — Air Cleaner Filter
- 9 — Washer Fluid Reservoir

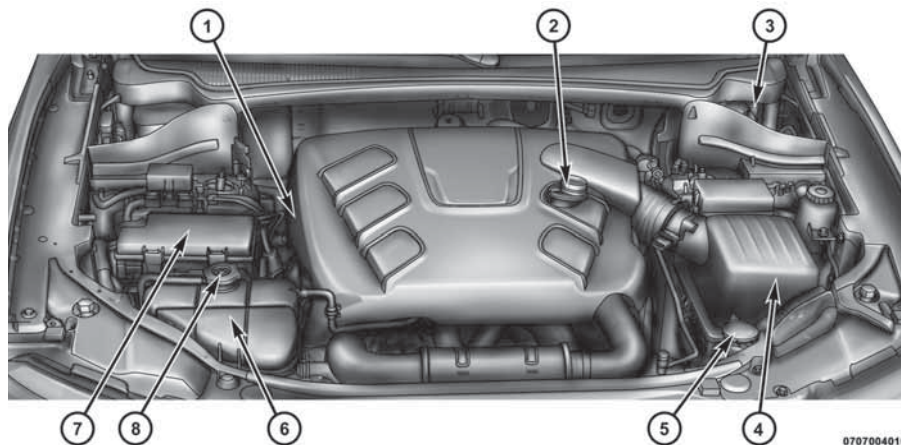
ENGINE COMPARTMENT — 5.7L



- 1 — Remote Jump Start Positive Terminal
- 2 — Engine Oil Dipstick
- 3 — Power Distribution Center (Fuses)
- 4 — Coolant Pressure Cap (Radiator)
- 5 — Remote Jump Start Negative Terminal

- 6 — Engine Coolant Reservoir
- 7 — Engine Oil Fill
- 8 — Brake Fluid Reservoir
- 9 — Air Cleaner Filter
- 10 — Washer Fluid Reservoir

ENGINE COMPARTMENT — 3.0L DIESEL



- 1 — Engine Oil Dipstick
- 2 — Engine Oil Fill
- 3 — Brake Fluid Reservoir
- 4 — Engine Air Cleaner Filter

- 5 — Washer Fluid Reservoir
- 6 — Engine Coolant Reservoir
- 7 — Power Distribution Center (Fuses)
- 8 — Engine Coolant Pressure Cap

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 automatic 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 your 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 engine 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 an Onboard Diagnostic system (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.

WARNING!

- ONLY an authorized service technician should connect equipment to the OBD II connection port in order to 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.

For further information, refer to "Privacy Practices — If Equipped With Uconnect 8.4 Radio" and "Uconnect CyberSecurity" in "All About Uconnect Access" in your Owner's Manual Radio Supplement and "Cybersecurity" in "Understanding Your Instrument Panel".

REPLACEMENT PARTS

Use of genuine MOPAR parts for normal/scheduled maintenance and repairs is highly recommended to ensure the designed performance. Damage or failures caused by the use of non-MOPAR parts for maintenance and repairs will not be covered by the New Vehicle Limited Warranty.

MAINTENANCE PROCEDURES

The pages that follow contain the **required** maintenance services determined by the engineers who designed your vehicle.

Besides those maintenance items specified in the fixed "Maintenance Schedule", there are other components which may require servicing or replacement in the future.

CAUTION!

- Failure to properly maintain your vehicle or perform repairs and service when necessary could result in more costly repairs,

(Continued)

CAUTION! (Continued)

damage to other components or negatively impact vehicle performance. Immediately have potential malfunctions examined by an authorized dealer or qualified repair center.

- Your vehicle has been built with improved fluids that protect the performance and durability of your vehicle and also allow extended maintenance intervals. Do not use chemical flushes in these components as the chemicals can damage your engine, transmission, or air conditioning. Such damage is not covered by the New Vehicle Limited Warranty. If a flush is needed because of component malfunction, use only the specified fluid for the flushing procedure.

Engine Oil — Gasoline Engines

Checking Oil Level

To assure 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 engine is shut off. Do not check oil level before starting the engine after it has sat overnight. Checking the engine oil level when the engine is cold will give you an incorrect reading.

Checking the oil while the vehicle is on level ground and only when the engine is hot, will improve the accuracy of the oil level readings. Maintain the oil level between the range markings on the dipstick. The range markings will consist of a crosshatch zone that says SAFE or a crosshatch zone that says MIN at the low end of the range and MAX at the high end of the range. Adding one quart of oil when the reading is at the low end of the indicated range will result in the oil level at the full end of the indicator range.

CAUTION!

Overfilling or underfilling the crankcase will cause aeration or loss of oil pressure. This could damage your engine.

Change Engine Oil

Refer to the "Maintenance Schedule" for the proper maintenance intervals.

Engine Oil Selection — Gasoline Engine

For best performance and maximum protection under all types of operating conditions, the manufacturer only recommend engine oils that are API certified and meet the requirements of FCA Material Standard MS-6395 or FCA 9.55535-CR1.

American Petroleum Institute (API) Engine Oil Identification Symbol



This symbol means that the oil has been certified by the American Petroleum Institute (API). The manufacturer only recommends API Certified engine oils.

This symbol certifies 0W-20, 5W-20, 0W-30, 5W-30 and 10W-30 engine oils.

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.

Engine Oil Viscosity – 3.6L Engine

SAE 0W-20 engine oil is recommended for all operating temperatures. This engine oil improves low temperature starting and vehicle fuel economy.

The engine oil filler cap also shows the recommended engine oil viscosity for your vehicle. For information on engine oil filler cap location, refer to "Engine Compartment" in "Maintaining Your Vehicle" for further information.

Engine Oil Viscosity – 5.7L Engine

SAE 5W-20 engine oil is recommended for all operating temperatures. This engine oil improves low temperature starting and vehicle fuel economy.

The engine oil filler cap also shows the recommended engine oil viscosity for your engine. For

information on engine oil filler cap location, refer to the "Engine Compartment" illustration in this section.

NOTE:

Vehicles equipped with a 5.7L engine must use SAE 5W-20 oil. Failure to do so may result in improper operation of the Fuel Saver Technology. Refer to "Fuel Saver Technology – If Equipped" in "Starting and Operating" for further information.

Engine Oil — Diesel Engine

Engine Oil Selection

For best performance and maximum protection under all types of operating conditions, the manufacturer recommends you use SAE 5W-30 Synthetic Low Ash Engine Oil meeting the requirements of FCA Material Standard MS-11106 or MS-9.55535-S3 and approved ACEA C3.

Engine Oil Viscosity

CAUTION!

Your vehicle is equipped with an advanced technology Diesel Engine and an emission device designed to limit Diesel Particulate Emissions from being released into the atmosphere. The durability of your engine and life expectancy of this diesel particulate filter emission device is highly dependent on the use of the correct engine oil.

SAE 5W-30 Synthetic Low Ash Engine Oil is recommended for all operating temperatures. This engine oil improves low temperature starting and vehicle fuel economy.

The engine oil filler cap also shows the recommended engine oil viscosity for your engine. For information on engine oil filler cap location, refer to "Engine Compartment" in "Maintaining Your Vehicle" for further information.

Synthetic Engine Oils

You may use synthetic engine oils provided the recommended oil quality requirements are met,

and the recommended maintenance intervals for oil and filter changes are followed.

Synthetic engine oils which do not have both the engine oil certification mark and the correct SAE viscosity grade number 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 your 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

This manufacturer's engines have a full-flow type disposable oil filter. Use a filter of this type for replacement. The quality of replacement filters varies considerably. Only high quality filters should be used to assure most efficient service. MOPAR engine oil filters are high quality oil filters and are recommended.

Engine Air Cleaner Filter

Refer to the "Maintenance Schedule" in the "Maintenance Schedules" section 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

(Continued)

WARNING! (Continued)

repair or maintenance. Make sure that no one is near the engine compartment before starting 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 engine air cleaner filters varies considerably. Only high quality filters should be used to assure most efficient service. MOPAR engine air cleaner filters are a high quality filter and are recommended.

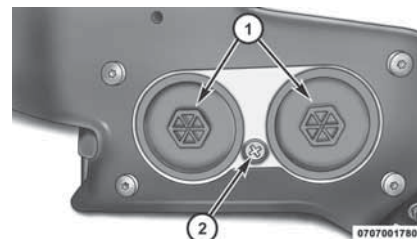
Draining Fuel/Water Separator Filter — Diesel Engine

The fuel filter/water separator housing is located on the left side of the vehicle in front of the fuel tank. The best access to this water drain valve is from under the vehicle.

CAUTION!

- Do not drain the fuel/water separator filters when the engine is running.
- Diesel fuel will damage blacktop paving surfaces. Drain the filters into an appropriate container.

If water is detected in the water separator while the engine is running, or while the ignition switch is in the ON position, the “Water In Fuel Indicator Light” will illuminate and an audible chime will be heard. At this point you should stop the engine and drain the water from the filter housing.



Fuel Filter Assembly

1 — Fuel Filter Access

2 — Water in Fuel Drain

Within 10 minutes of vehicle shutdown, turn the filter drain valve (located on the bottom of the filter housing) counterclockwise to drain fuel/water; allow the accumulated water to drain. Leave the drain valve open until all water and contaminants have been removed. When clear fuel is visible, close the drain valve by turning it clockwise.

Upon proper draining of the water from fuel filter assembly, the "Water In Fuel Indicator Light" will remain illuminated for approximately 10 seconds. If the water was drained while the engine was running, the "Water In Fuel Indicator Light" may remain on for approximately three minutes.

NOTE:

Care should be taken in disposing of used fluids from your vehicle. Used fluids, indiscriminately discarded, can present a problem to the environment. Contact an authorized dealer, service station, or government agency for advice on recycling programs and for where used fluids and filters can be properly disposed of in your area.

If more than two ounces or 60 milliliters of fuel have been drained, follow the directions for "Priming If The Engine Has Run Out Of Fuel."

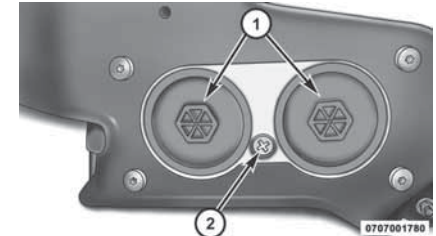
Underbody Mounted Fuel Filter Replacement — Diesel Engine

NOTE:

Using a fuel filter that does not meet the manufacturer's filtration and water separating requirements can severely impact fuel system life and reliability.

CAUTION!

- Diesel fuel will damage blacktop paving surfaces. Drain the filter into an appropriate container.
- Do not prefill the fuel filter when installing a new fuel filter. There is a possibility debris could be introduced into the fuel filter during this action. It is best to install the filter dry and allow the in-tank lift pump to prime the fuel system.



Fuel Filter Assembly

- 1 — Fuel Filter Access
2 — Water in Fuel Drain

1. Ensure engine is turned off.
2. Place drain pan under the fuel filter assembly.
3. Open the water drain valve, and let any accumulated water and fuel drain.
4. Close the water drain valve.

5. Wipe clean the underside of the filter housing to prevent contamination from entering fuel system during service.
6. Remove using a socket. Rotate counter-clockwise for removal.
7. Remove the used filter cartridge from the housing and dispose of according to your local regulations.
8. Wipe clean the sealing surfaces of the lid and housing.

CAUTION!

Take care when handling the new fuel filter to prevent contamination from entering the fuel system.

9. Lubricate o-ring on new filter with clean engine oil.
10. Install the cartridge into the housing with clockwise rotation, use a socket to tighten.

11. Repeat steps 5 through 10 to service second fuel filter in assembly.

12. After engine start, verify the filters do not leak.

Priming If The Engine Has Run Out Of Fuel — Diesel Engine**WARNING!**

Do not open the high pressure fuel system with the engine running. Engine operation causes high fuel pressure. High pressure fuel spray can cause serious injury or death.

1. Add a substantial amount of fuel to the tank, approximately 2 to 5 gal (8L to 19L).
2. Press ignition switch twice without your foot on brake to put vehicle in Run position. This will activate the in tank fuel pump for approximately 30 seconds. Repeat this process twice.

3. Start the engine using the “Normal Starting” procedure. Refer to “Starting Procedures” in “Starting and Operating” for further information.

CAUTION!

The starter motor will engage for approximately 30 seconds at a time. Allow two minutes between cranking intervals.

NOTE:

The engine may run rough until the air is forced from all the fuel lines.

WARNING!

Do not use alcohol or gasoline as a fuel blending agent. They can be unstable under certain conditions and be hazardous or explosive when mixed with diesel fuel.

CAUTION!

Due to lack of lubricants in alcohol or gasoline, the use of these fuels can cause damage to the fuel system.

NOTE:

- **Use of biodiesel mixture in excess of 20% can negatively impact the fuel filter's ability to separate water from the fuel, resulting in high pressure fuel system corrosion or damage.**
- **In addition, commercially available fuel additives are not necessary for the proper operation of your diesel engine.**
- **For extreme cold conditions, "Mopar Premium Diesel Fuel Treatment" is recommended to assist with cold starting.**

Intervention Regeneration Strategy — Message Process Flow (Diesel Engine)

This engine meets all required diesel engine emissions standards. To achieve these emissions standards, your vehicle is equipped with a

state-of-the-art engine and exhaust system. These systems are seamlessly integrated into your vehicle and managed by the Powertrain Control Module (PCM). The PCM manages engine combustion to allow the exhaust system's catalyst to trap and burn Particulate Matter (PM) pollutants, with no input or interaction on your part.

Additionally, your vehicle has the ability to alert you to additional maintenance required on your vehicle or engine.

Refer to "Driver Information Display (DID)" in "Understanding Your Instrument Panel" for further information.

WARNING!

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.

Charge Air Cooler — Inter-Cooler (Diesel Engine)

The charge air cooler is positioned in front of the radiator and the air conditioner condenser. Air enters the engine through the air cleaner and passes through the turbocharger, where it is pressurized. This pressurized air rapidly reaches high temperature. The air is then directed through a hose to the charge air cooler and through another hose to the intake manifold of the engine. This cooling process enables more efficient burning of fuel resulting in fewer emissions.

To guarantee optimum performance of the system, keep the surfaces of the charge air cooler, condenser and radiator clean and free of debris. Periodically check the hoses leading to and from the charge air cooler for cracks or loose clamps resulting in loss of pressure and reduced engine performance.

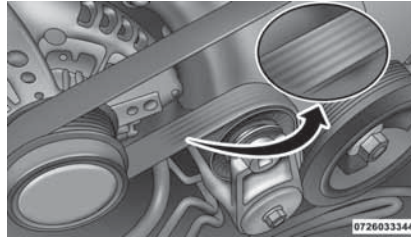
Accessory Drive Belt Inspection

WARNING!

- Do not attempt to inspect an accessory drive belt with vehicle running.
- 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 switch position. 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 ribbed surface of belt from rib to rib, are considered normal. These are not a reason to replace 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 (note: identify and correct problem before new belt is installed)
- Noise (objectionable squeal, squeak, or rumble is heard or felt while drive belt is in operation)

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.

Maintenance-Free Battery

Your vehicle is equipped with a maintenance-free battery. You will never have to add water, nor is periodic maintenance 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. Refer to “Jump-Starting Procedures” in “What To Do In Emergencies” for further information.
- 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.

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.

(Continued)

CAUTION! (Continued)

Such damage is not covered by the New Vehicle Limited Warranty.

Refrigerant Recovery And Recycling R134a — If Equipped

R-134a Air Conditioning Refrigerant is a hydrofluorocarbon (HFC) that is endorsed by the Environmental Protection Agency and is an ozone-saving product. However, the manufacturer recommends that air conditioning service be performed by authorized dealer or other service facilities using recovery and recycling equipment.

NOTE:

Use only manufacturer approved A/C system PAG compressor oil and refrigerants.

Refrigerant Recovery And Recycling R1234yf — If Equipped

R-1234yf Air Conditioning Refrigerant is a hydrofluoroolefine HFO that is endorsed by the Environmental Protection Agency and is an ozone-saving product with a low GWP (Global Warming Potential). However, the manufacturer

recommends that air conditioning service be performed by authorized dealer or other service facilities using recovery and recycling equipment.

NOTE:

Use only manufacturer approved A/C system PAG compressor oil and refrigerants.

Air Conditioning Filter Replacement (A/C Air Filter)

Refer to the "Maintenance Schedule" for the proper maintenance intervals.

WARNING!

Do not remove the A/C air filter while the vehicle is running, or while the ignition is in the ACC or ON/RUN mode. With the A/C 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 A/C 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.



Glove Compartment

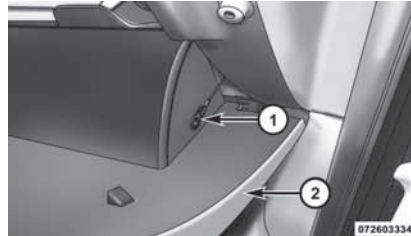
- 1 — Glove Compartment Travel Stops
 - 2 — Glove Compartment Tension Tether
 - 3 — Glove Compartment Door
2. There are glove compartment travel stops on both sides of the glove compartment door, partially close the glove compartment door and push inward to release the glove compartment travel stop on one side and repeat this procedure for the opposite side.

3. Pull the right hand side of the glove compartment door toward the rear of the vehicle to disengage the glove compartment door from its hinges.

NOTE:

When disengaging the glove compartment door from its hinges, there will be some resistance.

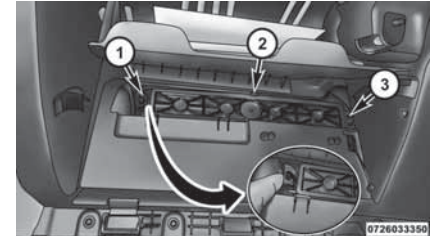
4. With the glove compartment door loose, remove the glove compartment tension tether and tether clip by sliding the clip toward the face of the glove compartment door and lifting the clip out of glove compartment door.



Right Side Of Glove Compartment

- 1 — Glove Compartment Tension Tether
- 2 — Glove Compartment Door

5. Remove the filter cover by disengaging the retaining tab and mid way snap that secures the filter cover to the HVAC housing. Disengage the mid way snap by pulling the door outward. Unhinge the filter cover on the right side to fully remove the cover.



A/C Air Filter Cover

- 1 — Retaining Tab
- 2 — Mid Way Snap
- 3 — Filter Cover Hinge

6. Remove the A/C air filter by pulling it straight out of the housing.
7. Install the A/C air filter with the arrow on the filter pointing toward the floor. When installing the filter cover, make sure the retaining tabs fully engage the cover.

CAUTION!

The A/C 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 door on the glove compartment door hinge and 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.
9. Push the door to the near closed position to reengage the glove compartment travel stops.

NOTE:

Ensure the glove compartment door hinges and glove compartment travel stops are fully engaged.

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 with 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 Fall 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.

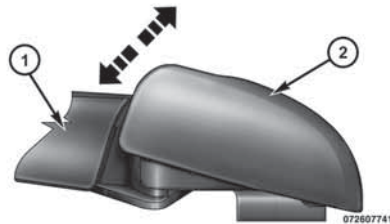
Avoid using the wiper blades to remove frost or ice from the windshield. Keep the blade rubber out of contact with petroleum products such as engine oil, gasoline, etc.

NOTE:

Life expectancy of wiper blades varies depending on geographical area and frequency of use. Poor performance of blades may be present with chattering, marks, water lines or wet spots. If any of these conditions are present, clean the wiper blades or replace as necessary.

Rear Wiper Blade Removal/Installation

1. Lift the pivot cap on the rear wiper arm upward, this will allow the rear wiper blade to be raised off of the liftgate glass.



Lifting The Pivot Cap

- 1 — Wiper Arm
- 2 — Pivot Cap

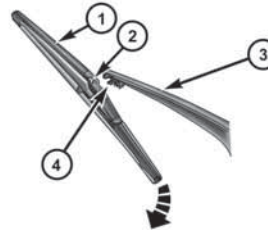
NOTE:

The rear wiper arm cannot be raised fully upward unless the pivot cap is raised first.

2. Lift the rear wiper arm upward to raise the wiper blade off of the liftgate glass.

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3. Grab the bottom of the wiper blade and rotate it forward to unsnap the blade pivot pin from the wiper blade holder.



Removing The Wiper Blade

- 1 — Wiper Blade
- 2 — Blade Pivot Pin
- 3 — Wiper Arm
- 4 — Wiper Blade Holder

4. Install the wiper blade pivot pin into the wiper blade holder at the end of the wiper arm, and firmly press the wiper blade until it snaps into place.

5. Lower the wiper blade and snap the pivot cap into place.

Adding Washer Fluid

This vehicle is equipped with a Driver Information Display (DID), the DID will indicate when the washer fluid level is low. When the sensor detects a low fluid level, the windshield will light on the vehicle graphic outline and the "WASHER FLUID LOW" message will be displayed.

The fluid reservoir for the windshield washers and the rear window washer is shared. The fluid reservoir is located in the engine compartment, be sure to check the fluid level 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 clean the wiper blades, 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 cli-

mate. 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.

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 the 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 change. 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, refer to "Safety Tips/Exhaust Gas" in "Things To Know Before Starting Your Vehicle" for further information.
- 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 shut off the engine or interrupt the ignition, when the transmission is in gear and the vehicle is in motion.
- Do not try to start the engine by pushing or towing the vehicle.
- Do not idle the engine with any spark plug wires disconnected or removed, such as when 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 try to open a cooling system pressure cap when the radiator or coolant bottle is hot.

Engine Coolant Checks

Check the engine coolant (antifreeze) protection every 12 months (before the onset of freezing weather, where applicable). If the engine coolant (antifreeze) is dirty, the system should be drained, flushed, and refilled with fresh OAT coolant (conforming to MS.90032) by an authorized dealer. Check the front of the A/C condenser for any accumulation of bugs, leaves, etc. If dirty, clean by gently spraying water from a garden hose vertically down the face of the condenser.

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.

With the engine at normal operating temperature (but not running), check the cooling system pressure cap for proper vacuum sealing by draining a small amount of engine coolant (antifreeze) from the radiator drain cock. If the cap is sealing properly, the engine coolant (antifreeze) will begin to drain from the coolant recovery bottle. **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 your local authorized dealer.

If the engine coolant (antifreeze) is dirty or contains visible sediment, have an authorized dealer clean and flush with OAT coolant (antifreeze) (conforming to MS.90032).

Refer to the "Maintenance Schedule" for the proper maintenance intervals.

Selection Of Coolant

Refer to "Fluids, Lubricants, And Genuine Parts" in "Maintaining Your Vehicle" for further information.

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).

(Continued)

CAUTION! (Continued)

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.

- 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 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.

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 ten years or 150,000 miles (240,000 km) before replacement. To prevent reducing this extended maintenance period, it is important that you 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 (antifreeze) that meets the requirements of FCA Material Standard MS.90032. When adding engine coolant (antifreeze):

- We recommend using MOPAR Antifreeze/Coolant 10 Year/150,000 Mile Formula OAT (Organic Additive Technology) that meets the requirements of FCA Material Standard MS.90032.
- Mix a minimum solution of 50% OAT engine coolant that meets the requirements of FCA 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 your authorized dealer for assistance.
- Use only high purity water such as distilled or deionized water when mixing the water/

engine coolant (antifreeze) 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 your local authorized dealer.**
- **Mixing engine coolant (antifreeze) types is not recommended and can result in cooling system damage. If HOAT and OAT coolant are mixed in an emergency, have a 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 (antifreeze) will return to the radiator from the coolant recovery tank.

The cap should be inspected and cleaned if there is any accumulation of foreign material on the sealing surfaces.

WARNING!

- Do not open 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 Engine Coolant

Used ethylene glycol-based engine 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 engine coolant (antifreeze) in open containers or allow it to remain in puddles on the ground. If ingested by a child or pet, seek emergency assistance immediately. Clean up any ground spills immediately.

Coolant Level

The coolant bottle provides a quick visual method for determining that the coolant level is adequate. With the engine OFF and cold, the level of the engine coolant (antifreeze) in the bottle should be between the ranges indicated on the bottle.

The radiator normally remains completely full, so there is no need to remove the radiator/coolant pressure cap unless checking for engine coolant (antifreeze) freeze point or replacing coolant. Advise your service attendant of this. As long as the engine operating tempera-

ture is satisfactory, the coolant bottle need only be checked once a month.

When additional engine coolant (antifreeze) is needed to maintain the proper level, only OAT coolant that meets the requirements of FCA Material Standard MS.90032 should be added to the coolant bottle. Do not overfill.

Points To Remember

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 (antifreeze) needs to be added, the contents of the coolant expansion bottle must also be protected against freezing.
- If frequent engine coolant (antifreeze) additions are required, the cooling system should be pressure tested for leaks.
- Maintain engine coolant (antifreeze) 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 unsatisfac-

tory engine coolant (antifreeze) performance, poor gas mileage, and increased emissions.

Brake System

In order to assure brake system performance, all brake system components should be inspected periodically. Refer to the "Maintenance Schedule" 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 master cylinder should be checked when performing under the hood service, or immediately if the brake system warning lamp indicates system failure.

The brake master cylinder has a plastic reservoir. On the outboard side of the reservoir, there is a "MAX" mark and a "MIN" mark. The fluid level must be kept within these two dots. Do not add fluid above the MAX mark, because leakage may occur at the cap.

With disc brakes, the fluid level can be expected to fall as the brake linings wear. However, an unexpected drop in fluid level may be caused by a leak and a system check should be conducted.

Refer to "Fluids, Lubricants, and Genuine Parts" in "Maintaining Your Vehicle" for further information.

WARNING!

- Use only manufacturer's recommended brake fluid. Refer to "Fluids, Lubricants, And Genuine Parts" in "Maintaining Your Vehicle" for further information. Using the wrong type of brake fluid can severely damage your brake system and/or impair its performance. The proper type of brake

(Continued)

WARNING! (Continued)

fluid for your vehicle is also identified on the original factory installed hydraulic master cylinder reservoir.

- 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 a 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.

(Continued)

WARNING! (Continued)

- 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.

Front/Rear Axle Fluid

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. Refer to "Fluids, Lubricants, and Genuine Parts" in "Maintaining Your Vehicle" for further information.

Front Axle Fluid Level Check

The front axle oil level needs to be no lower than 1/8 in (3 mm) below the bottom of the fill hole.

The front axle fill and drain plugs should be tightened to 22 to 29 ft lbs (30 to 40 N-m).

CAUTION!

Do not overtighten the plugs as it could damage them and cause them to leak.

Rear Axle Fluid Level Check

The rear axle oil level needs to be no lower than 1/8 in (3 mm) below the bottom of the fill hole.

The rear axle fill and drain plugs should be tightened to 22 to 29 ft lbs (30 to 40 N·m).

CAUTION!

Do not overtighten the plugs as it could damage them and cause them to leak.

Selection Of Lubricant

Use only the manufacturer's recommended fluid. Refer to "Fluids, Lubricants, and Genuine Parts" in "Maintaining Your Vehicle" for further information.

Transfer Case**Fluid Level Check**

For normal service, periodic fluid level checks are not required. When the vehicle is serviced for other reasons the exterior surfaces of the transfer case assembly should be inspected. If oil leakage is suspected inspect the fluid level. Refer to "Fluids, Lubricants, and Genuine Parts" in "Maintaining Your Vehicle" for further information.

Adding Fluid

Add fluid at the filler hole, until it runs out of the hole, when the vehicle is in a level position.

Drain

First remove fill plug, then remove drain plug. Recommended tightening torque for drain and fill plugs is 15 to 25 ft lbs (20 to 34 N·m).

CAUTION!

When installing plugs, do not overtighten. You could damage them and cause them to leak.

Selection Of Lubricant

Use only the manufacturer's recommended fluid. Refer to "Fluids, Lubricants, and Genuine Parts" in "Maintaining Your Vehicle" for further information.

Automatic Transmission**Selection Of Lubricant**

It is important to use the proper transmission fluid to ensure optimum transmission performance and life. Use only the manufacturer's specified transmission fluid. Refer to "Fluids, Lubricants, And Genuine Parts" in this section for fluid specifications. It is important to maintain the transmission fluid at the correct level using the recommended fluid.

NOTE:

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. Refer to "Fluids, Lubricants, And Genuine Parts" in this section for fluid specifications.

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

(Continued)

CAUTION! (Continued)

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. Your authorized dealer can check your transmission fluid level using special service tools.

If you notice fluid leakage or transmission malfunction, visit your 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 your authorized dealer immediately. Severe transmission damage may occur. Your 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.

Appearance Care And Protection From Corrosion**Protection Of Body And Paint From Corrosion**

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.

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.

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 clear 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. Take care never to 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.

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. The cost of such repairs is considered the responsibility of the owner.
- 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. The cost of such repairs is considered the responsibility of the owner.
- 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. Your authorized dealer has touch up paint to match the color of your vehicle.

Wheel And Wheel Trim Care

- All wheels and wheel trim, especially aluminum and chrome plated wheels, should be cleaned regularly with a mild soap and water to prevent corrosion.
- To remove heavy soil and/or excessive brake dust, use MOPAR Wheel Cleaner.

NOTE:

If your vehicle is equipped with Dark Vapor or Black Satin Chrome 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. USE ONLY MILD SOAP AND WATER WITH A SOFT CLOTH. Used on a regular basis this is all that is required to maintain this finish.

CAUTION!

Do not use scouring pads, steel wool, a bristle brush, or metal polishes. Do not use oven cleaner. These products may damage the wheel's protective finish. Avoid automatic car washes that use acidic solutions or harsh brushes that may damage the wheel's protective finish. Only MOPAR Wheel Cleaner or equivalent is recommended.

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.

Interior Care

Use MOPAR Total Clean to clean fabric upholstery and carpeting.

Use MOPAR Total Clean to clean vinyl upholstery.

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. Application of a leather conditioner is not required to maintain the original condition.

WARNING!

Do not use volatile solvents for cleaning purposes. Many are potentially flammable, and if used in closed areas they may cause respiratory harm.

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.

CAUTION!

Damage caused by these type of products may not be covered by your New Vehicle Limited Warranty.

CAUTION!

Do not use Alcohol and Alcohol-based and/or Keton based cleaning products to clean leather seats, as damage to the seat may result.

Cleaning Headlights

Your vehicle has plastic headlights 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.

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 instrument that may scratch the elements.

When cleaning the rear view mirror, spray cleaner on the towel or cloth that you are using. Do not spray cleaner directly on the mirror.

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.

1. 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.
2. Dry with a soft cloth.

Seat Belt Maintenance

Do not bleach, dye or clean the belts with chemical solvents or abrasive cleaners. This will weaken the fabric. Sun damage can also 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.

Replace the belts if they appear frayed or worn or if the buckles do not work properly.

WARNING!

A frayed or torn belt could rip apart in a collision and leave you with no protection. Inspect the belt system periodically, checking for cuts, frays, or loose parts. Damaged parts must be replaced immediately. Do not disassemble or modify the system. Seat belt assemblies must be replaced after a collision if they have been damaged (i.e., bent retractor, torn webbing, etc.).

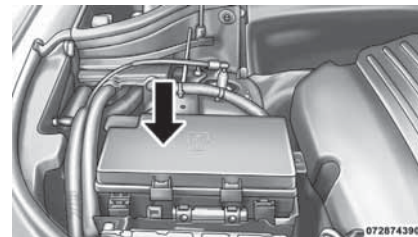
FUSES

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. Never replace a blown fuse with metal wires or any other material. 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.
- 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, gearbox system) or steering system blows, contact an authorized dealer.

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.



Power Distribution Center

Cavity	Cartridge Fuse	Micro Fuse	Description
F03	60 Amp Yellow	–	Radiator Fan
F05	40 Amp Green	–	Compressor for Air Suspension - If Equipped
F06	40 Amp Green	–	Anti-lock Brakes/Electronic Stability Control Pump
F07	30 Amp Pink	–	Starter Solenoid
F09	30 Amp Pink	–	Diesel Fuel Heater (Diesel engine only) / Brake Vacuum Pump
F10	40 Amp Green	–	Body Controller / Exterior Lighting #2
F11	30 Amp Pink	–	Trailer Tow Electric Brake - If Equipped
F12	40 Amp Green	–	Body Controller #3 / Power Locks
F13	40 Amp Green	–	Blower Motor Front
F14	40 Amp Green	–	Body Controller #4 / Exterior Lighting #1
F17	30 Amp Pink	–	Headlamp Washer- If Equipped
F19	20 Amp Blue	–	Headrest Solenoid- If Equipped
F20	30 Amp Pink	–	Passenger Door Module
F22	20 Amp Blue	–	Engine Control Module
F23	30 Amp Pink	–	Interior Lights #1
F24	30 Amp Pink	–	Driver Door Module

Cavity	Cartridge Fuse	Micro Fuse	Description
F25	30 Amp Pink	–	Front Wipers
F26	30 Amp Pink	–	Anti-lock Brakes/Stability Control Module/Valves
F28	20 Amp Blue	–	Trailer Tow Backup Lights - If Equipped
F29	20 Amp Blue	–	Trailer Tow Parking Lights - If Equipped
F30	30 Amp Pink	–	Trailer Tow Receptacle - If Equipped
F32	30 Amp Pink	–	Drive Train Control Module
F34	30 Amp Pink	–	Slip Differential Control
F35	30 Amp Pink	–	Sunroof - If Equipped
F36	30 Amp Pink	–	Rear Defroster
F37	25 Amp Clear	–	Rear Blower Motor - If Equipped
F38	30 Amp Pink	–	Power Inverter 115V AC - If Equipped
F39	30 Amp Pink	–	Power Liftgate - If Equipped
F40	–	10 Amp Red	Daytime Running Lights/Headlamp Leveling
F42	–	20 Amp Yellow	Horn
F44	–	10 Amp Red	Diagnostic Port
F49	–	10 Amp Red	Integrated Central Stack / Climate Control
F50	–	20 Amp Yellow	Air Suspension Control Module - If Equipped

Cavity	Cartridge Fuse	Micro Fuse	Description
F51	–	15 Amp Blue	Ignition Node Module / Keyless Ignition / Steering Column Lock
F52	–	5 Amp Tan	Battery Sensor
F53	–	20 Amp Yellow	Trailer Tow – Left Turn/Stop Lights - If Equipped
F56	–	15 Amp Blue	Additional Content (Diesel engine only)
F57	–	20 Amp Yellow	NOX Sensor
F58	–	15 Amp Blue	HID Headlamps LH - If Equipped
F59	–	10 Amp Red	Purging Pump (Diesel engine only)
F60	–	15 Amp Blue	Transmission Control Module
F61	–	10 Amp Red	Transmission Control Module/PM Sensor (Diesel engine only)
F62	–	10 Amp Red	Air Conditioning Clutch
F63	–	20 Amp Yellow	Ignition Coils (Gas), Urea Heater (Diesel)
F64	–	25 Amp Clear	Fuel Injectors / Powertrain
F66	–	10 Amp Red	Sunroof / Passenger Window Switches / Rain Sensor
F67	–	15 Amp Blue	CD / DVD / Bluetooth Hands-free Module - If Equipped
F68	–	20 Amp Yellow	Rear Wiper Motor

Cavity	Cartridge Fuse	Micro Fuse	Description
F69	–	15 Amp Blue	Spotlight Feed - If Equipped
F70	–	20 Amp Yellow	Fuel Pump Motor
F71	–	30 Amp Green	Audio Amplifier
F72	–	10 Amp Red	PCM (If Equipped)
F73	–	15 Amp Blue	HID Headlamp RH - If Equipped
F75	–	10 Amp Red	Dual Batt Control (If Equipped)
F76	–	10 Amp Red	Anti-lock Brakes/Electronic Stability Control
F77	–	10 Amp Red	Drivetrain Control Module/Front Axle Disconnect Module
F78	–	10 Amp Red	Engine Control Module / Electric Power Steering
F80	–	10 Amp Red	Universal Garage Door Opener / Compass / Anti-Intrusion Module
F81	–	20 Amp Yellow	Trailer Tow Right Turn/Stop Lights
F82	–	10 Amp Red	Steering Column Control Module/ Cruise Control / DTV
F83	–	10 Amp Red	Fuel Door
F84	–	15 Amp Blue	Switch Bank/Instrument Cluster
F85	–	10 Amp Red	Airbag Module
F86	–	10 Amp Red	Airbag Module

Cavity	Cartridge Fuse	Micro Fuse	Description
F87	–	10 Amp Red	Air Suspension – If Equipped / Trailer Tow / Steering Column Control Module
F88	–	15 Amp Blue	Instrument Panel Cluster
F90/F91	–	20 Amp Yellow	Power Outlet (Rear seats) Selectable
F92	–	10 Amp Red	Rear Console Lamp - If Equipped
F93	–	20 Amp Yellow	Cigar Lighter
F94	–	10 Amp Red	Shifter / Transfer Case Module
F95	–	10 Amp Red	Rear Camera / ParkSense
F96	–	10 Amp Red	Rear Seat Heater Switch / Flashlamp Charger - If Equipped
F97	–	20 Amp Yellow	Rear Heated Seats & Heated Steering Wheel - If Equipped
F98	–	20 Amp Yellow	Front Heated Seats - If Equipped
F99	–	10 Amp Red	Climate Control / Driver Assistance Systems Module / DSRC
F100	–	10 Amp Red	Active Damping - If Equipped
F101	–	15 Amp Blue	Electrochromatic Mirror/Smart High Beams - If Equipped

Cavity	Cartridge Fuse	Micro Fuse	Description
F103	–	10 Amp Red	Cabin Heater (Diesel Engine Only)/Rear HVAC
F104	–	20 Amp Yellow	Power Outlets (Instrument Panel/Center Console)

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.
- When replacing a blown fuse, it is important to use only a fuse having the correct amperage 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.

VEHICLE STORAGE

If you are leaving your vehicle dormant for more than 21 days you may want to take steps to protect your battery. You may:

- Disconnect the negative cable from the battery.
- Anytime 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.

REPLACEMENT BULBS

Interior Bulbs

	Bulb Number
Glove Compartment Lamp	194
Grab Handle Lamp	L002825W5W
Overhead Console Reading Lamps	VT4976
Rear Cargo Lamp	214-2
Visor Vanity Lamp	V26377
Underpanel Courtesy Lamps	906
Instrument Cluster (General Illumination)	103
Telltale/Hazard Lamp	74

Exterior Bulbs

	Bulb Number
Headlamps (Low Beam) - If Equipped	H11
Premium Headlamps (Low/High Beam)	D3S (Service at Authorized Dealer)
Headlamps (High Beam) - If Equipped	9005
Premium Park/Turn Signal Lamp	LED - (Service at Authorized Dealer)

	Bulb Number
Premium Daytime Running Lamp (DRL)	LED - (Service at Authorized Dealer)
Front Fog Lamps	H11
Front Side Marker - If Equipped	W5W
Premium Front Side Marker - If Equipped	LED - (Service at Authorized Dealer)
Front Park/Turn Lamp - If Equipped	7444NA (WY27/8W)
Rear Body Side Turn Signal Lamps	7440NA (WY21W)
Auxiliary Liftgate Tail Lamps	LED - (Service at Authorized Dealer)
Liftgate Backup Lamps	921 (W16W)
Rear License Lamps	LED - (Service at Authorized Dealer)
Rear Body Side Stop Lamps	3157KRD LCP
Rear Body Side Tail Lamps	LED - (Service at Authorized Dealer)
CHMSL - Center High Mounted Stop Lamp	LED - (Service at Authorized Dealer)
NOTE: Numbers refer to commercial bulb types that can be purchased from your authorized dealer. If a bulb needs to be replaced, visit your authorized dealer or refer to the applicable Service Manual.	

BULB REPLACEMENT

NOTE:

Lens fogging can occur under certain atmospheric conditions. This will usually clear as atmospheric conditions change to allow the condensation to change back into a vapor. Turning the lamps on will usually accelerate the clearing process.

High Intensity Discharge Headlamps (HID) — If Equipped

The headlamps are a type of high voltage discharge tube. High voltage can remain in the circuit even with the headlamp switch off and the key removed. **Because of this, you should not attempt to service a headlamp bulb yourself. If a headlamp bulb fails, take your vehicle to an authorized dealer for service.**

WARNING!

A transient high voltage occurs at the bulb sockets of High Intensity Discharge (HID)

(Continued)

WARNING! (Continued)

headlamps when the headlamp switch is turned ON. It may cause serious electrical shock or electrocution if not serviced properly. See your authorized dealer for service.

NOTE:

On vehicles equipped with High Intensity Discharge (HID) headlamps, when the headlamps are turned on, there is a blue hue to the lamps. This diminishes and becomes more white after approximately 10 seconds, as the system charges.

Halogen Headlamps — If Equipped

1. Open the hood.
2. Turn the low or high beam bulb one-quarter turn counterclockwise to remove from housing.
3. Disconnect the electrical connector and replace the bulb.

CAUTION!

Do not touch the new bulb with your fingers. Oil contamination will severely shorten bulb life. If the bulb comes in contact with any oily surface, clean the bulb with rubbing alcohol.

Front Turn Signal

1. Open the hood.
2. Turn the turn signal bulb one-quarter turn counterclockwise to remove from housing.
3. Disconnect the electrical connector and replace the bulb.

CAUTION!

Do not touch the new bulb with your fingers. Oil contamination will severely shorten bulb life. If the bulb comes in contact with any oily surface, clean the bulb with rubbing alcohol.

Front Fog Lamps

1. Reach through the cutout in the splash shield and disconnect the wiring harness from the fog lamp connector.
2. Firmly grasp the bulb by the two latches and squeeze them together to unlock the bulb from the back of the front fog lamp housing.
3. Pull the bulb straight out from the keyed opening in the housing.

CAUTION!

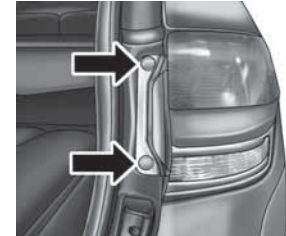
- Do not touch the new bulb with your fingers. Oil contamination will severely shorten bulb life. If the bulb comes in contact with any oily surface, clean the bulb with rubbing alcohol.
- Always use the correct bulb size and type for replacement. An incorrect bulb size or type may overheat and cause damage to the lamp, the socket or the lamp wiring.

4. Align the index tabs of the front fog lamp bulb with the slots in the collar of the bulb opening on the back of the front fog lamp housing.
5. Insert the bulb into the housing until the index tabs are engaged in the slots of the collar.
6. Firmly and evenly push the bulb straight into the lamp housing until both tabs snap firmly into place and are fully engaged.
7. Connect the wiring harness to the front fog lamp connector.

Rear Tail, Stop, and Turn Signal Lamps

1. Raise the liftgate.
2. Remove the two push-pins from the tail lamp housing.

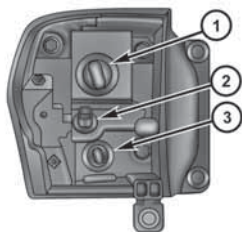
3. Grasp the tail lamp and pull firmly rearward to disengage the lamp from the aperture panel.



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Tail Lamp Push Pins

4. Twist socket counter clockwise and remove from lamp.



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Rear Of Tail Lamp

- 1 — Rear Stop Lamp Bulb Socket
- 2 — LED Tail Connector – Do Not Remove
- 3 — Rear Turn Signal Bulb Socket

5. Pull the bulb to remove it from the socket.
6. Replace the bulb, reinstall the socket, and reattach the lamp assembly.

Rear Liftgate Mounted Tail Lamp

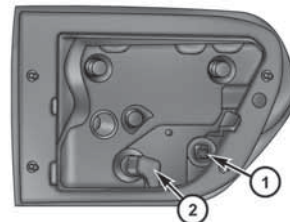
1. Raise the liftgate.
2. Use a fiber stick or flat blade screw driver to pry the lower trim from the liftgate.
3. Continue removing the trim.
4. Disconnect the two trim panel lights.



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Rear Liftgate Tail Lamps

5. Tail lamps are now visible. Rotate socket(s) counter clockwise.



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Rear Of Liftgate Tail Lamp

- 1 — Auxiliary LED Tail Connector – Do Not Remove
- 2 — Backup Bulb Socket

6. Remove/replace bulb(s).
7. Reinstall the socket(s)
8. Reverse process to reinstall the liftgate trim.

Center High-Mounted Stop Lamp (CHMSL)

The center high mounted stop lamp is LED.
Service at Authorized Dealer.



Center High-Mounted Stop Lamp

Rear License Lamp

The rear license lamps are LED. See your
authorized dealer for service.

FLUID CAPACITIES

	U.S.	Metric
Fuel (Approximate)		
All Engines	24.6 Gallons	93 Liters
AdBlue Fluid Tank	8 Gallons	30.3 Liters
Engine Oil with Filter		
3.6L Engine (SAE 0W-20, API Certified)	6 Quarts	5.6 Liters
5.7L Engine (SAE 5W-20, API Certified)	7 Quarts	6.6 Liters
3.0L Diesel Engine (SAE 5W-30 Synthetic, API Certified Low Ash)	8 Quarts	7.7 Liters
Cooling System *		
3.6L Engine (MOPAR Engine Coolant/Antifreeze 10-Year/150,000 Mile Formula)	10.4 Quarts	9.9 Liters
5.7 Liter Engine (MOPAR Engine Coolant/Antifreeze 10-Year/150,000 Mile Formula) – Without Trailer Tow Package	15.4 Quarts	14.6 Liters
5.7 Liter Engine (MOPAR Engine Coolant/Antifreeze 10-Year/150,000 Mile Formula) – With Trailer Tow Package	16 Quarts	15.2 Liters
3.0L Diesel Engine (MOPAR Engine Coolant/Antifreeze 10-Year/150,000 Mile Formula)	12 Quarts	11.4 Liters
* Includes heater and coolant recovery bottle filled to MAX level.		

FLUIDS, LUBRICANTS, AND GENUINE PARTS

Engine

Component	Fluid, Lubricant, or Genuine Part
Engine Coolant	We recommend you use MOPAR Antifreeze/Coolant 10 Year/150,000 Mile Formula OAT (Organic Additive Technology) that meets the requirements of FCA Material Standard MS.90032 or an equivalent coolant.
Engine Oil – 3.6L Engine	We recommend you use API Certified SAE 0W-20 engine oil, meeting the requirements of FCA Material Standard MS-6395 or FCA 9.55535-CR1. Refer to your engine oil filler cap for the correct SAE grade.
Engine Oil – 5.7L Engine	We recommend you use API Certified SAE 5W-20 engine oil, meeting the requirements of FCA Material Standard MS-6395 or FCA 9.55535-CR1. Refer to your engine oil filler cap for the correct SAE grade.
Engine Oil – 3.0L Diesel Engine	We recommend you use SAE 5W-30 Synthetic Low Ash Engine Oil meeting the requirements of FCA Material Standard MS-11106 or FCA 9.55535-S3 and approved ACEA C3 such as MOPAR or equivalent.
Engine Oil Filter	We recommend you use MOPAR Engine Oil Filters.
Spark Plugs – 3.6L Engine	We recommend you use MOPAR Spark Plugs.
Spark Plugs – 5.7L Engine	We recommend you use MOPAR Spark Plugs.
Fuel Selection – 3.6L Engine	Minimum 91 Octane
Fuel Selection – 5.7L Engine	Minimum 91 Octane Acceptable - 95 Octane Recommended

Component	Fluid, Lubricant, or Genuine Part
Fuel Selection – 3.0L Diesel Engine	50 Cetane or higher (Less than 10 ppm Sulfur)
AdBlue	MOPAR Diesel Exhaust Fluid (API Certified) (DEF) or equivalent that has been API Certified to the ISO 22241 standard. Use of fluids not API Certified to ISO 22241 may result in system damage.

Chassis

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 – Single-Speed (Quadra-Trac I)	We recommend you use MOPAR NV 247/245 Transfer Case Lubricant.
Transfer Case – Two-Speed (Quadra-Trac II)	We recommend you use MOPAR ATF+4 Automatic Transmission Fluid or equivalent licensed ATF+4 product.
Axle Differential (Front)	We recommend you use MOPAR Synthetic Gear & Axle Lubricant SAE 75W-85 (API-GL5).
Axle Differential (Rear) – With Electronic Limited-Slip Differential (ELSD)	We recommend you use MOPAR GL-5 Synthetic Axle Lubricant SAE 75W-85 with friction modifier.
Axle Differential (Rear) – Without Electronic Limited-Slip Differential (ELSD)	We recommend you use MOPAR Synthetic Gear & Axle Lubricant SAE 75W-85 (API-GL5).
Brake Master Cylinder	We recommend you use MOPAR Brake & Clutch Fluid DOT 4, that meets the requirements of FCA Material Standard MS.90039.

MAINTENANCE SCHEDULES

- **MAINTENANCE SCHEDULE420**
 - **Maintenance Schedule – Gasoline Engine420**
 - **Maintenance Schedule — Diesel Engine425**

MAINTENANCE SCHEDULE

Maintenance Schedule – Gasoline Engine

The Scheduled Maintenance services listed in this manual must be done at the times or mileages specified to protect your vehicle warranty and ensure the best vehicle performance and reliability. More frequent maintenance may be needed for vehicles in severe operating conditions, such as dusty areas and very short trip driving. Inspection and service should also be done anytime a malfunction is suspected.

The oil change indicator system will remind you that it is time to take your vehicle in for scheduled maintenance.

On Driver Information Display (DID) equipped vehicles “Oil Change Required” will be displayed in the DID and a single chime will sound, indicating that an oil change is necessary.

The oil change indicator message will illuminate approximately 7,000 miles (11,200 km) after the most recent oil change was performed. Have your vehicle serviced as soon as possible, within 500 miles (800 km).

NOTE:

- **The oil change indicator message will not monitor the time since the last oil change. Change your vehicles oil if it has been 12 months since your last oil change even if the oil change indicator message is NOT illuminated.**
- **Change your engine oil more often if you drive your vehicle off-road for an extended period of time.**
- **Under no circumstances should oil change intervals exceed 7,500 miles (12 000 km) or 12 months, whichever comes first.**

Your authorized dealer will reset the oil change indicator message after completing the scheduled oil change. If this scheduled oil change is performed by someone other than your authorized dealer the message can be reset by referring to the steps described under “Electronic Vehicle Information Center” in “Understanding Your Instrument Panel” for further information.

At Each Stop for Fuel

- Check the engine oil level about 5 minutes after a fully warmed engine is shut off. Checking the oil level while the vehicle is on level ground will improve the accuracy of the oil level reading. Add oil only when the level is at or below the ADD or MIN mark.
- Check the windshield washer solvent and add if required.

Once a Month

- Check tire pressure and look for unusual wear or damage. Rotate tires at the first sign of irregular wear.
- Inspect the battery and clean and tighten the terminals as required.

- Check the fluid levels of the coolant reservoir, brake master cylinder, and power steering; add fluid as needed.
- Check all lights and other electrical items for correct operation.

At Each Oil Change

- Change the engine oil filter.
- Inspect the brake hoses and lines.

CAUTION!

Failure to perform the required maintenance items may result in damage to the vehicle.

Maintenance Chart

Mileage or time passed (whichever comes first)	7,500	15,000	22,500	30,000	37,500	45,000	52,500	60,000	67,500	75,000	82,500	90,000	97,500	105,000	112,500	120,000	127,500	135,000	142,500	150,000
Or Months:	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
Kilometers or time passed (whichever comes first):	12,000	24,000	36,000	48,000	60,000	72,000	84,000	96,000	108,000	120,000	132,000	144,000	156,000	168,000	180,000	192,000	204,000	216,000	228,000	240,000
Change engine oil and oil filter. ††	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Rotate tires	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Mileage or time passed (whichever comes first)	7,500	15,000	22,500	30,000	37,500	45,000	52,500	60,000	67,500	75,000	82,500	90,000	97,500	105,000	112,500	120,000	127,500	135,000	142,500	150,000
Or Months:	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
Kilometers or time passed (whichever comes first):	12,000	24,000	36,000	48,000	60,000	72,000	84,000	96,000	108,000	120,000	132,000	144,000	156,000	168,000	180,000	192,000	204,000	216,000	228,000	240,000
If using your vehicle for any of the following: Dusty or off-road conditions. Inspect the engine air cleaner filter, replace if necessary.		X		X		X		X		X		X		X		X		X		X
Inspect the brake linings, replace if necessary.		X		X		X		X		X		X		X		X		X		X
Inspect exhaust system.		X	X			X			X			X			X			X		
Inspect CV Joints.		X		X		X		X		X		X		X		X		X		X
Inspect the front suspension, tie rod ends and boot seals, replace if necessary.			X			X			X			X			X			X		

Mileage or time passed (whichever comes first)	7,500	15,000	22,500	30,000	37,500	45,000	52,500	60,000	67,500	75,000	82,500	90,000	97,500	105,000	112,500	120,000	127,500	135,000	142,500	150,000
Or Months:	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
Kilometers or time passed (whichever comes first):	12,000	24,000	36,000	48,000	60,000	72,000	84,000	96,000	108,000	120,000	132,000	144,000	156,000	168,000	180,000	192,000	204,000	216,000	228,000	240,000
Inspect the front and rear axle fluid, change if using your vehicle for police, taxi, fleet, offroad or frequent trailer towing.				X				X				X				X				X
Change brake fluid every 24 months if using DOT 4 brake fluid.		X		X		X		X		X		X		X		X		X		X
Replace the air conditioning filter.		X		X		X		X		X		X		X		X		X		X
Adjust parking brake on vehicles equipped with four-wheel disc brakes.				X				X				X				X				X
Replace engine air cleaner filter.				X				X				X				X				X

Mileage or time passed (whichever comes first)	7,500	15,000	22,500	30,000	37,500	45,000	52,500	60,000	67,500	75,000	82,500	90,000	97,500	105,000	112,500	120,000	127,500	135,000	142,500	150,000
Or Months:	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
Kilometers or time passed (whichever comes first):	12,000	24,000	36,000	48,000	60,000	72,000	84,000	96,000	108,000	120,000	132,000	144,000	156,000	168,000	180,000	192,000	204,000	216,000	228,000	240,000
Replace spark plugs *									X									X		
Replace accessory drive belt(s).																X				
Flush and replace the engine coolant at 120 months or 240,000 km whichever comes first.										X										X
Inspect or change the transfer case fluid if using your vehicle for any of the following: police, taxi, fleet, or frequent trailer towing.				X								X								X
Change Transfer Case Fluid.								X								X				
Inspect and replace PCV valve if necessary.†												X								

* The spark plug change interval is mileage based only, yearly intervals do not apply.

† This maintenance is recommended by the manufacturer to the owner, but is not required to maintain emissions warranty.

WARNING!

- You can be badly injured working on or around a motor vehicle. Do only 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.
- Failure to properly inspect and maintain your vehicle could result in a component malfunction and effect vehicle handling and performance. This could cause an accident.

Severe Duty Conditions

†† Change the engine oil and engine oil filter at every 4500 miles (7,500 km) or 12 months if using your vehicle under any of the following severe duty conditions:

- Stop and go driving.
- Driving in dusty conditions.
- Short trips of less than 10 miles (16 km).
- Trailer towing.
- Taxi, police, or delivery service (commercial service).
- Off-road or desert operation.

Maintenance Schedule — Diesel Engine

Your vehicle is equipped with an automatic oil change indicator system. The oil change indicator system will remind you that it is time to take your vehicle in for scheduled maintenance.

Based on engine operation conditions, the oil change indicator message will illuminate. This means that service is required for your vehicle. Operating conditions such as frequent short-

trips, trailer tow, extremely hot or cold ambient temperatures will influence when the “Oil Change Required” message is displayed.

Your authorized dealer will reset the oil change indicator message after completing the scheduled oil change. If a scheduled oil change is performed by someone other than your authorized dealer, the message can be reset by referring to the steps described under “Driver Information Display (DID)/Oil Change Required” in “Understanding Your Instrument Panel” for further information.

Engine Oil Filter Replacement

Residual oil in the housing may spill from the housing when the new filter is installed if the residual oil is not either removed from the housing or enough time has not elapsed to allow the oil to drain back into the engine. When servicing the oil filter on this engine, carefully remove the filter and use a suction gun to remove any residual oil left in the housing or wait about 30 minutes for the oil to drain back into the engine.

To help you have the best driving experience possible, the manufacturer has identified the

specific vehicle maintenance service intervals that are required to keep your vehicle operating properly and safely.

The manufacturer recommends that these maintenance intervals be performed at your selling dealer. The technicians at your dealership know your vehicle best, and have access to factory trained information, genuine MOPAR parts, and specially designed electronic and mechanical tools that can help prevent future costly repairs.

The maintenance intervals shown should be performed as indicated in this section.

NOTE:

- **Under no circumstances should oil change intervals exceed 12,500 miles (20 000 km) or 12 months, whichever comes first.**

- **Flush and replace the engine coolant at 120 months or 150,000 miles (240,000 km) whichever comes first.**

At Each Stop for Fuel

- Check the engine oil level about 5 minutes after a fully warmed engine is shut off. Checking the oil level while the vehicle is on level ground will improve the accuracy of the oil level reading. Add oil only when the level is at or below the ADD or MIN mark.
- Check the windshield washer solvent and add if required.

Once a Month

- Check tire pressure and look for unusual wear or damage. Rotate tires at the first sign of irregular wear, even if it occurs before the oil indicator system turns on.
- Inspect the battery and clean and tighten the terminals as required.

- Check the fluid levels of the coolant reservoir, brake master cylinder, and power steering and add as needed.
- Check all lights and other electrical items for correct operation.

At Each Oil Change

- Change the engine oil filter.
- Inspect the brake hoses and lines.
- Inspect for the presence of water in the fuel filter/water separator unit.
- Completely fill the AdBlue Fluid tank.

CAUTION!

Failure to perform the required maintenance items may result in damage to the vehicle.

Maintenance Chart

Miles or time passed (whichever comes first):	12,500	25,000	37,500	50,000	62,500	75,000	87,500	100,000	112,500	125,000	137,500	150,000
Or Months:	12	24	36	48	60	72	84	96	108	120	132	144
Kilometers:	20,000	40,000	60,000	80,000	100,000	120,000	140,000	160,000	180,000	200,000	220,000	240,000
Change engine oil and oil filter.	X	X	X	X	X	X	X	X	X	X	X	X
Completely fill the AdBlue tank.	X	X	X	X	X	X	X	X	X	X	X	X
Rotate tires	X	X	X	X	X	X	X	X	X	X	X	X
If using your vehicle for any of the following: Dusty or off-road conditions. Inspect the engine air cleaner filter, replace if necessary.	X	X	X	X	X	X	X	X	X	X	X	X
Inspect the brake linings, replace if necessary.	X	X	X	X	X	X	X	X	X	X	X	X
Inspect exhaust system.	X	X		X		X		X		X		X
Inspect CV Joints		X		X		X		X		X		X
Inspect the front suspension, tie rod ends and boot seals, replace if necessary.		X		X		X		X		X		X

Miles or time passed (whichever comes first):	12,500	25,000	37,500	50,000	62,500	75,000	87,500	100,000	112,500	125,000	137,500	150,000
Or Months:	12	24	36	48	60	72	84	96	108	120	132	144
Kilometers:	20,000	40,000	60,000	80,000	100,000	120,000	140,000	160,000	180,000	200,00	220,00	240,000
Change brake fluid every 24 months if using DOT 4 brake fluid.		X		X		X		X		X		X
Inspect the front and rear axle fluid, change if using your vehicle for police, taxi, fleet, offroad or frequent trailer towing.		X		X		X		X		X		X
Replace the fuel filter.		X		X		X		X		X		X
Adjust parking brake on vehicles equipped with four-wheel disc brakes.		X		X		X		X		X		X
Replace engine air cleaner filter.		X		X		X		X		X		X
Replace air conditioning/cabin air filter	X	X	X	X	X	X	X	X	X	X	X	X
Replace accessory drive belt(s).								X				
Flush and replace the engine coolant at 10 years or 150,000 miles (240,000 km) whichever comes first.										X		X

Miles or time passed (whichever comes first):	12,500	25,000	37,500	50,000	62,500	75,000	87,500	100,000	112,500	125,000	137,500	150,000
Or Months:	12	24	36	48	60	72	84	96	108	120	132	144
Kilometers:	20,000	40,000	60,000	80,000	100,000	120,000	140,000	160,000	180,000	200,000	220,000	240,000
Inspect or change the transfer case fluid if using your vehicle for any of the following: police, taxi, fleet, or frequent trailer towing.		X				X				X		
Change the transfer case fluid				X				X				X

WARNING!

- You can be badly injured working on or around a motor vehicle. Do only 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.

(Continued)

WARNING! (Continued)

- Failure to properly inspect and maintain your vehicle could result in a component malfunction and effect vehicle handling and performance. This could cause an accident.

IF YOU NEED CONSUMER ASSISTANCE

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IF YOU NEED ASSISTANCE

The manufacturer distributors are vitally interested in your satisfaction with their products and services. If a servicing problem or other difficulty should occur, we recommend that you take the following steps:

Discuss the problem at the authorized dealer with the dealer principal or the service manager. Management personnel at the authorized dealer are in the best position to resolve the problem.

When you contact the distributor please provide all of the following information:

- Your name, address and phone number.
- Vehicle Identification Number (this 17 digit number is found on an etched plate or label, located on the left front corner of the instrument panel, visible through the windshield. It is also available from your vehicle registration or title).

- Selling and servicing authorized dealer.
- Vehicle's delivery date and current odometer distance.
- Service history of your vehicle.
- An accurate description of the problem and the conditions under which it occurs.

ARGENTINA

Chrysler Argentina S.A

Boulevard Azucena Villaflor 435

C1107CII

Buenos Aires, Argentina

Tel: +54-11-4891 7900

Fax: +54-11-4891 7901

AUSTRALIA

FCA Australia Pty. Ltd.

ABN 23 125 956 505

PO Box 23267, Docklands Victoria 3008

Ph. 1300 133 079

AUSTRIA

Jeep Customer Service*

Universal Toll Free Number

Tel: 00 800 0 426 5337

Local Toll Free Number

Tel: 0800 20 1741

International Toll Number

Tel: + 39 02 444 12 045

Chrysler Customer Service*

Universal Toll Free Number

Tel: 00 800 1692 1692

Local Toll Free Number

Tel: 0800 201745

International Toll Number

Tel: +39 02 444 12046

Dodge Customer Service*

Universal Toll Free Number

Tel: 00 800 36343 000

Local Toll Free Number

Tel: 0800 201747

International Toll Number

Tel: Not Available

(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

BALANCE OF THE CARIBBEAN

Interamericana Trading Corporation

Warrens, St. Michael

Barbados, West Indies

BB22026, PO Box 98

Tel.: 246-417-8000

Fax: 246-425-2888

BELGIUM

Jeep Customer Service*

Universal Toll Free Number

Tel: 00 800 0 426 5337

Local Toll Free Number

Tel: 0800 55 888

International Toll Number

Tel: +39 02 444 12 045

Chrysler Customer Service*

Universal Toll Free Number

Tel: 00 800 1692 1692

Local Toll Free Number

Tel: 0800 18 142

International Toll Number

Tel: +39 02 444 12046

Dodge Customer Service*

Universal Toll Free Number

Tel: 00 800 36343 000

Local Toll Free Number

Tel: 0800 16 166

International Toll Number

Tel: Not Available

BOLIVIA

Ovando & Cia S.A.

Av. Cristobal de Mendoza (2do Anillo) y Canal
Isuto

Santa Cruz, Bolivia

PO Box 6852

Tel.: (591-3) 336 3100

Fax: (591-3) 334 0229

(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

BRAZIL

Chrysler do Brasil

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Vila Olímpia

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Tel: +5511 4949 3900

Fax: +5511 4949 3905

BULGARIA

BALKAN STAR

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1510 Sofia

Tel.: 359 2 91988

Fax: 359 2 945 40 14

CHILE

Comercial Chrysler S.A.

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Santiago, Chile

Zip Code 101931-7, 367-V

Tel.: +562 837 1300

Fax: +562 6039196

(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

CHINA

Chrysler Group (China) Sales Limited

No. 1509, Building# 63, Dongsanhuan Middle Road

Beijing

PR. China

Zip Code: 100022

Tel: 400-650-0118 Ext. 2

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Chrysler Colombia S.A.

Avenida Calle 26 # 70A-25

Zip Code 110931

Bogotá Colombia

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Fax: +57 1 410 5667

COSTA RICA

AutoStar

La Uruca, frente al Banco Nacional

San José, Costa Rica

PO Box 705-1150

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Fax: (506) 295 - 0052

(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

CROATIA

Autocommerce Hrvatska d.o.o.

Jablanska 80

10 000 Zagreb

Tel: 00 385 1 3869 001

Fax: 00 385 1 3869 069

CZECH REPUBLIC

Jeep Customer Service*

Universal Toll Free Number

Tel: 800 200 233

International Toll Number

Tel: +420 800 200 233

Chrysler Customer Service*

Universal Toll Free Number

Tel: 800 200 233

International Toll Number

Tel: +420 800 200 233

Dodge Customer Service*

Universal Toll Free Number

Tel: 800 200 233

International Toll Number

Tel: +420 800 200 233

DENMARK

Jeep Customer Service*

Universal Toll Free Number

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Local Toll Free Number

Tel: 80 20 5337

International Toll Number

Tel: +39 02 444 12 045

Chrysler Customer Service*

Universal Toll Free Number

Tel: 00 800 1692 1692

Local Toll Free Number

Tel: 80 20 30 35

International Toll Number

Tel: +39 02 444 12046

Dodge Customer Service*

Universal Toll Free Number

Tel: 00 800 36343 000

Local Toll Free Number

Tel: 80 20 30 36

International Toll Number

Tel: Not Available

(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

DOMINICAN REPUBLIC

Reid y Compañía

John F. Kennedy Casi Esq. Lope de Vega

Santo Domingo, Dominican Republic

Tel.: (809) 562-7211

Fax: (809) 565-8774

ECUADOR

Chrysler Jeep Automotriz del Ecuador

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Guayaquil, Ecuador

Tel.: +593 4 2244101

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EL SALVADOR

Grupo Q del Salvador

Ave. Las Amapolas (Autopista Sur)

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San Salvador, El Salvador

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(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

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11314 Tallinn

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Jeep Customer Service*

Universal Toll Free Number

Tel: 00 800 0 426 5337

International Toll Number

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FRANCE

Jeep Customer Service*

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Chrysler Customer Service*

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Local Toll Free Number

Tel: 0800 169216

International Toll Number

Tel: +39 02 444 12046

Dodge Customer Service*

Universal Toll Free Number

Tel: 00 800 36343 000

Local Toll Free Number

Tel: 0800 363430

International Toll Number

Tel: Not Available

(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

GERMANY

Jeep Customer Service*

Universal Toll Free Number

Tel: 00 800 0 426 5337

Local Toll Free Number

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Chrysler Customer Service*

Universal Toll Free Number

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International Toll Number

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Dodge Customer Service*

Universal Toll Free Number

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(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

HONDURAS

Grupo Q de Honduras

Blvd.. Centro América frente a Plaza Miraflores,

Tegucigalpa, Honduras

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HUNGARY

Jeep Customer Service*

Universal Toll Free Number

Tel: 80 10 10 80

International Toll Number

Tel: +36 80 10 10 80

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International Toll Number

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Dodge Customer Service*

Universal Toll Free Number

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International Toll Number

Tel: +36 80 10 10 80

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Jeep Customer Service*

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Chrysler Customer Service*

Universal Toll Free Number

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Local Toll Free Number

Tel: 1800 363463

International Toll Number

Tel: +39 02 444 12046

Dodge Customer Service*

Universal Toll Free Number

Tel: 00 800 36343 000

Local Toll Free Number

Tel: 1800 363430

International Toll Number

Tel: Not Available

(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

ITALY

Jeep Customer Service*

Universal Toll Free Number

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Local Toll Free Number

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International Toll Number

Tel: +39 02 444 12046

Dodge Customer Service*

Universal Toll Free Number

Tel: 00 800 36343 000

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Tel: 800 363430

International Toll Number

Tel: Not Available

LATVIA

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Mob.: +371 29498662

Fax: +371 67812313

SIA "Autobrava"

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LV-1084 Riga

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(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

LUXEMBURG

Jeep Customer Service*

Universal Toll Free Number

Tel: 00 800 0 426 5337

Local Toll Free Number

Tel: 8002 5888

International Toll Number

Tel: +39 02 444 12 045

Chrysler Customer Service*

Universal Toll Free Number

Tel: 00 800 1692 1692

Local Toll Free Number

Tel: 8002 8216

International Toll Number

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Dodge Customer Service*

Universal Toll Free Number

Tel: 00 800 36343 000

Local Toll Free Number

Tel: 8002 8217

International Toll Number

Tel: Not Available

NETHERLANDS

Jeep Customer Service*

Universal Toll Free Number

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Tel: 00 800 1692 1692

International Toll Number

Tel: +39 02 444 12046

Dodge Customer Service*

Universal Toll Free Number

Tel: 00 800 36343 000

International Toll Number

Tel: Not Available

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(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

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Universal Toll Free Number

Tel: 00 800 0 426 5337

International Toll Number

Tel: +39 02 444 12 045

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(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

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POLAND

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Ul. M.Grażyńskiego 141.

43-300 Bielsko-Biała

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Jeep Customer Service*

Universal Toll Free Number

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Local Toll Free Number

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(Polish language - select code 23)

Chrysler Customer Service*

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Tel: 00 800 0 426 5337

International Toll Number

Tel: +39 02 444 12046

Dodge Customer Service*

Universal Toll Free Number

Tel: 00 800 3 634 3000

International Toll Number

Not Available

(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

PORTUGAL

Chrysler Portugal S.A.

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2770-229 Paço de Arcos

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Chrysler International Services, S.A.

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San Juan 009191857

Tel.: 7877825757

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COTRANS AUTOMOBILES

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Fax: 0262488443

(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

ROMANIA

AUTO ITALIA IMPEX SRL

Bd. Timisoara nr. 60/D

Bucuresti, ROMANIA

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Fax: +40 (0)21.444.2779

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Jeep Customer Service*

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International Toll Number

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Chrysler Customer Service*

Universal Toll Free Number

Tel: 88 001 00 8182

International Toll Number

Tel: +495 212 21 38

Dodge Customer Service*

Universal Toll Free Number

Tel: 88 001 00 8182

International Toll Number

Tel: +495 212 21 38

SERBIA

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Universal Toll Free Number

Tel: 0800 120120

International Toll Number

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Chrysler Customer Service*

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International Toll Number

Tel: +381 34 356713

(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

SLOVAKIA

Jeep Customer Service*

Universal Toll Free Number

Tel: 800 900 001

International Toll Number

Tel: +421 800 900 001

Chrysler Customer Service*

Universal Toll Free Number

Tel: 802 900 001

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Dodge Customer Service*

Universal Toll Free Number

Tel: 801 900 001

International Toll Number

Tel: +421 800 900 001

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1000 Ljubljana

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Universal Toll Free Number

Tel: 8066727869

International Toll Number

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International Toll Number

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Dodge Customer Service*

Universal Toll Free Number

Tel: 8066727869

International Toll Number

Tel: Not Available

(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

SPAIN

Jeep Customer Service*

Universal Toll Free Number

Tel: 00 800 0 426 5337

Local Toll Free Number

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International Toll Number

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Chrysler Customer Service*

Universal Toll Free Number

Tel: 00 800 1692 1692

Local Toll Free Number

Tel: 900 1692 00

International Toll Number

Tel: +39 02 444 12046

Dodge Customer Service*

Universal Toll Free Number

Tel: 00 800 36343 000

Local Toll Free Number

Tel: 900 363430

International Toll Number

Tel: Not Available

SWEDEN

Jeep Customer Service*

Universal Toll Free Number

Tel: 00 800 0 426 5337

Local Toll Free Number

Tel: 020 5337 00

International Toll Number

Tel: +39 02 444 12 045

Chrysler Customer Service*

Universal Toll Free Number

Tel: 00 800 1692 1692

Local Toll Free Number

Tel: 020 303035

International Toll Number

Tel: +39 02 444 12046

Dodge Customer Service*

Universal Toll Free Number

Tel: 00 800 36343 000

Local Toll Free Number

Tel: 020 303036

International Toll Number

Tel: Not Available

SWITZERLAND

Jeep Customer Service*

Universal Toll Free Number

Tel: 00 800 0 426 5337

Local Toll Free Number

Tel: 0800 0426 53

International Toll Number

Tel: +39 02 444 12 045

Chrysler Customer Service*

Universal Toll Free Number

Tel: 00 800 1692 1692

Local Toll Free Number

Tel: 0800 1692 16

International Toll Number

Tel: +39 02 444 12046

Dodge Customer Service*

Universal Toll Free Number

Tel: 00 800 36343 000

Local Toll Free Number

Tel: 0800 3634 30

International Toll Number

Tel: Not Available

(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

TAIWAN

Chrysler Taiwan Co. , LTD.

13th Floor Union Enterprise Plaza

1109 Min Sheng East Road, Section 3

Taipei Taiwan R.O.C.

Tel.: 080081581

Fax: 886225471871

TURKEY

Tofaş Türk Otomobil Fabrikası A.S.

Büyükdere Cad, No:145 Tofaş Han Zincirlikuyu

ISTAMBUL

Tel: (0212) 444 5337

Tel: (0212) 275 2960

Telefax: (0212) 275 0357

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Chervonoarmiyska Str. 15/2

01004 Kyiv

Tel : +380 44 206 8888

+380 44 201 6060

Fax: +380 44 206 8889

(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

UNITED KINGDOM

Jeep Customer Service*

Universal Toll Free Number

Tel: 00 800 0 426 5337

Local Toll Free Number

Tel: 0800 1692966

International Toll Number

Tel: +39 02 444 12 045

Chrysler Customer Service*

Universal Toll Free Number

Tel: 00 800 1692 1692

Local Toll Free Number

Tel: 0800 1692169

International Toll Number

Tel: +39 02 444 12046

Dodge Customer Service*

Universal Toll Free Number

Tel: 00 800 36343 000

Local Toll Free Number

Tel: 0800 1692956

International Toll Number

Tel: Not Available

URUGUAY

SEVEL Uruguay S. A.

Convenio 820

Montevideo, Uruguay

Zip Code 11700

Tel: +598 220 02980

Fax: +598 2209-0116

(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

VENEZUELA

FCA Venezuela LLC

Avenida Pancho Pepe Croquer. Zona Industrial
Norte

Valencia, Estado Carabobo

Tel: +(58) 241-613 2400

Fax: +(58) 241-613 2538

Fax: (58) 241-6132602

(58) 241-6132438

PO BOX: 1960

Services And Parts

Zona Industrial II, Av. Norte-Sur 5 C/C Calle
Este-Oeste

C.C LD Center Local B-2

Valencia, Estado Carabobo

Telf: (58) 241-6132757

(58) 241-6132773

Fax: (58) 241-6132743

(*) The Customer Service offers information and assistance on products, services, dealerships and 24H Roadside Assistance. It can be contacted from the main European countries by calling the Universal Toll Free Number. In case of problems, please use the Local Toll Free Number or the International Toll Number.

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CHANGE OF OWNERSHIP NOTIFICATION	
MODEL _____	
REGISTRATION OR LICENSE NUMBER _____	
VIN	
NEW OWNER'S NAME _____	
NEW OWNER'S ADDRESS _____	

TELEPHONE NO. _____	IF RESOLD BY CHRYSLER JEEP DEALERSHIP, ENTER DEALER STAMP IN BOX ABOVE.
FIRST OWNER	
80140712	

CHANGE OF OWNERSHIP NOTIFICATION	
MODEL _____	
REGISTRATION OR LICENSE NUMBER _____	
VIN	
NEW OWNER'S NAME _____	
NEW OWNER'S ADDRESS _____ _____ _____ _____ _____	
TELEPHONE NO. _____	IF RESOLD BY CHRYSLER JEEP DEALERSHIP, ENTER DEALER STAMP IN BOX ABOVE.
SECOND OWNER	

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