

INTRODUCTION

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

This Owner's Manual has been prepared with the assistance of service and engineering specialists to acquaint you with the operation and maintenance of your vehicle. It is supplemented by Warranty Information, and various customer-oriented documents. Please take the time to read these publications carefully. Following the instructions and recommendations in this manual will help assure safe and enjoyable operation of your vehicle.

The enclosed Warranty Information lists the services that Fiat offers to its customers:

- the Warranty Certificate with terms and conditions for maintaining its validity
- the range of additional services available to Fiat customers

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

When it comes to service, remember that your authorized dealer knows your vehicle best, has factory-trained technicians and genuine 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:

WATER IN FUEL	REAR WINDOW WIPER	WINDSHIELD WIPER INTERMITTENT	EXTERIOR BULB FAILURE	HIGH BEAM	TURN SIGNALS	UPPER AIR OUTLET	HEATED SEAT LOW	DOOR LOCK	ADJUSTABLE PEDALS	ELECTRONIC SPEED CONTROL	ELECTRONIC STABILITY PROGRAM / BRAKE ASSIST SYSTEM
FUEL	REAR WINDOW INTERMITTENT WIPER	WINDSHIELD WASHER	MASTER LIGHTING SWITCH	LOW BEAM	KEY ACTIVATE (POWER OUTLET)	UPPER AND LOWER AIR OUTLET	HEATED SEAT HIGH	WINDOW LIFT	TIRE PRESSURE MONITOR	HILL DESCENT CONTROL	BRAKE SYSTEM WARNING PARKING BRAKE
FUEL FILL SIDE	REAR WINDOW WASHER	WINDSHIELD WASHER FLUID LEVEL	DOME LIGHT	FRONT FOG LIGHT	HOOD RELEASE	LOWER AIR OUTLET	RECIRCULATION	CONVERTIBLE 4 WINDOW DOWN	ELECTRONIC STABILITY CONTROL	AWD!	FAILURE OF ANTI-LOCK BRAKING SYSTEM
ENGINE OIL	REAR WINDOW DEFROST	WINDSHIELD, ELECTRICALLY HEATED	PARK LIGHTS	REAR FOG LAMP	LIFTGATE RELEASE AND LIFTGATE OPEN	DEFROST AND LOWER AIR OUTLET	VENTILATING FAN	WINDOW LOCK	ELECTRONIC THROTTLE CONTROL	4WD!	BRAKE SYSTEM WARNING BRAKE
BATTERY CHARGING	HEATED MIRROR	WINDSHIELD DEFROST	INSTRUMENT PANEL ILLUMINATION	SEAT BELT	SLIDING DOOR	TRUNK / DECK RELEASE	AIR CONDITIONING	CHILD SEAT TETHER ANCHOR	VOICE RECOGNITION BUTTON	WARNING	TOW / HAUL
GLOW PLUG	POWER STEERING FLUID	WINDSHIELD WIPER AND WASHER	SIDE AIRBAG	AIRBAG	SLIDING DOOR	EMERGENCY RELEASE HANDLE	LIGHTER	LOWER ANCHORS AND TETHER FOR CHILDREN (LATCH)	UCONNECT™ BUTTON	HAZARD	4 LOW
MALFUNCTION INDICATOR LIGHT	TRANS OIL TEMP	ENGINE COOLANT TEMPERATURE	SRS AIRBAG	PASSENGER AIRBAG OFF	DOOR AJAR	CONVERTIBLE TOP DOWN	CONVERTIBLE TOP UP	HORN	SEE OWNER'S MANUAL ISO	A/C PUSH	ELECTRONIC STABILITY CONTROL OFF

WARNINGS AND CAUTIONS

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

VEHICLE IDENTIFICATION NUMBER

The Vehicle Identification Number (VIN) is found on the left front corner of the instrument panel, visible through the windshield. This number also appears on the vehicle registration and title.



Vehicle Identification Number

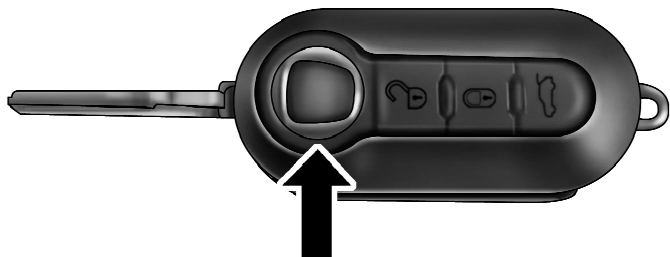
VEHICLE MODIFICATIONS/ALTERATIONS

WARNING!

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

A WORD ABOUT YOUR KEYS

The key fob contains the Remote Keyless Entry (RKE) transmitter with an integrated key (metal bladed key for mechanical backup). To use the mechanical key simply press the mechanical key release button.



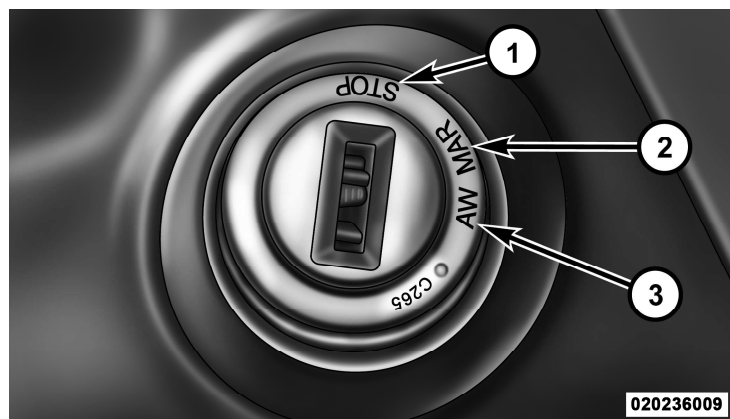
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Mechanical Key Release Button

The authorized dealer that sold you your new vehicle has the key code numbers for your vehicle locks. These numbers can be used to order duplicate keys. Ask your authorized dealer for these numbers and keep them in a safe place.

Ignition Key Removal

1. Place the shift lever in PARK (if equipped with an automatic transmission).
2. Turn the ignition switch to the Accessory position.
3. Rotate the key to the OFF/LOCK position.
4. Remove the key from the ignition switch lock cylinder.



Ignition Switch Positions

- 1 — STOP (OFF/LOCK) 3 — AVV (START)
2 — MAR (ACC/ON/RUN)

WARNING!

- Never leave children alone in a vehicle. Leaving unattended children in a vehicle is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Don't leave the keys in the ignition. 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 car is an invitation to thieves. Always remove the key from the ignition and lock all the doors when leaving the vehicle unattended.

Locking Doors With A Key

You can insert the key with either side up. To lock the door, turn the key to the right. To unlock the door, turn the key to the left. Refer to “Body Lubrication” in “Maintaining Your Vehicle” for maintenance information.

Key-In-Ignition Reminder

Opening the driver’s door when the key is in the ignition and the ignition switch position is OFF/LOCK, sounds a signal to remove the key.

SENTRY KEY®

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

The system uses ignition keys, which have an embedded electronic chip (transponder), to prevent unauthorized vehicle operation. Therefore, only keys that are programmed to the vehicle can be used to start and operate the vehicle.

NOTE: A key, which has not been programmed, is also considered an invalid key even if it is cut to fit the ignition switch lock cylinder for that vehicle.

If the Vehicle Security Light is on after the key on, it indicates that there is a problem with the electronics.

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

CAUTION!

- Always remove the Sentry Key® from the vehicle and lock all doors when leaving the vehicle unattended.
- The Sentry Key® Immobilizer system is not compatible with some after-market remote starting systems. Use of these systems may result in vehicle starting problems and loss of security protection.

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

Replacement Keys

NOTE: Only keys that have been programmed to the vehicle electronics can be used to start the vehicle. Once a Sentry Key® has been programmed to a vehicle, it cannot be programmed to any other vehicle.

At the time of purchase, the original owner is provided with a four-digit Personal Identification Number (PIN). This PIN is required for authorized dealer replacement of keys. Duplication of keys may be performed at an authorized dealer or by using the Customer Key Programming procedure. This procedure consists of programming a blank key to the vehicle electronics. A blank key is one which has never been programmed.

NOTE: When having the Sentry Key® Immobilizer System serviced, bring all vehicle keys with you to an authorized dealer.

General Information

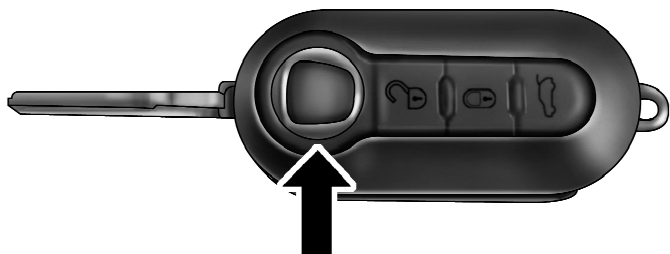
The Sentry Key® system complies with FCC rules part 15 and with RSS-210 of Industry Canada. Operation is subject to the following conditions:

- This device may not cause harmful interference.
- This device must accept any interference that may be received, including interference that may cause undesired operation.

NOTE: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

REMOTE KEYLESS ENTRY (RKE) — IF EQUIPPED

This system allows you to lock or unlock the doors and liftgate from distances up to approximately 66 ft (20 m) using a hand-held Remote Keyless Entry (RKE) transmitter. The RKE transmitter does not need to be pointed at the vehicle to activate the system.



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Remote Keyless Entry With Mechanical Key Release Button

NOTE: The line of transmission must not be blocked with metal objects.

To Unlock The Doors And Liftgate

Press and release the UNLOCK button on the RKE transmitter 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.

Remote Key Unlock, Driver Door/All First Press

This feature lets you program the system to unlock either the driver's door or all doors on the first press of the UNLOCK button on the RKE transmitter. To change the current setting, proceed as follows:

- For vehicles equipped with the Electronic Vehicle Information Center (EVIC), refer to "Electronic Vehicle Information Center (EVIC)/Personal Settings (Customer-Programmable Features)" in "Understanding Your Instrument Panel" for further information.

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- For vehicles not equipped with the EVIC, perform the following steps:

1. Press and hold the LOCK button on a programmed RKE transmitter for at least 4 seconds, but no longer than 10 seconds. Then, press and hold the UNLOCK button while still holding the LOCK button.

2. Release both buttons at the same time.

Test the feature while outside of the vehicle by pressing the LOCK/UNLOCK buttons on the RKE transmitter with the ignition switch in the LOCK position and the key removed.

Repeat these steps if you want to return this feature to its previous setting.

NOTE: Pressing the LOCK button on the RKE transmitter while you are inside the vehicle will activate the Vehicle Security Alarm. Opening a door with the Vehicle Security Alarm activated will cause the alarm to sound. Press the UNLOCK button to deactivate the Vehicle Security Alarm.

To Lock The Doors And Liftgate

Press and release the LOCK button on the RKE transmitter to lock all doors and liftgate. The turn signal lights will flash and the horn will chirp to acknowledge the signal.

Programming Additional Transmitters

Refer to Sentry Key® "Customer Key Programming."

If you do not have a programmed RKE transmitter, contact your authorized dealer for details.

General Information

This device complies with Part 15 of FCC rules and with RS-210 of Industry Canada. Operation is subject to the following conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference that may be received including interference that may cause undesired operation.

NOTE: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

If your RKE transmitter fails to operate from a normal distance, check for these two conditions:

1. Weak battery in the RKE transmitter. The expected life of a battery is five years.

2. Closeness to a radio transmitter such as a radio station tower, airport transmitter, military base, and some mobile or CB radios.

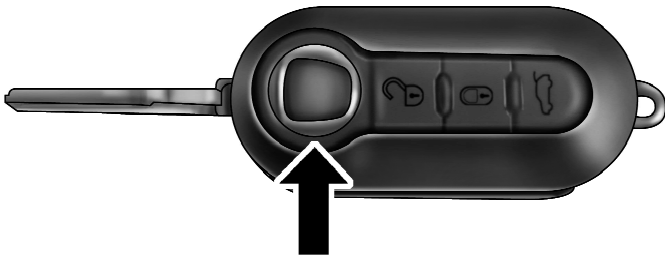
Transmitter Battery Replacement

NOTE: Perchlorate Material – special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate

The recommended replacement battery is CR2032.

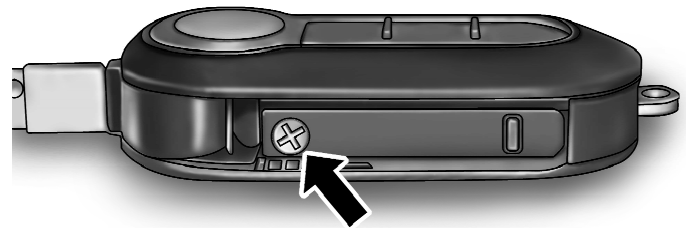
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1. Press the mechanical key release button and release the mechanical key and access the battery case screw located on the side of the Key Fob.
2. Rotate the screw using a small screwdriver.



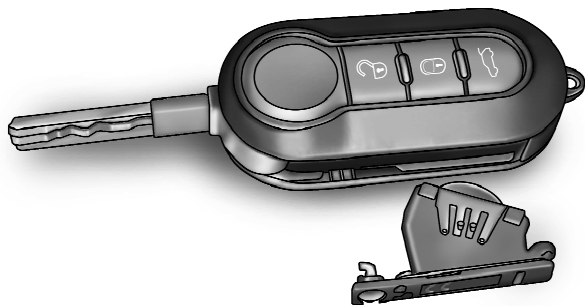
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Mechanical Key Release Button



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3. Take out the battery case and remove and replace the battery observing its polarity.
4. Refit the battery case inside the key and lock it by turning the screw.



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DOOR LOCKS

The door locks can be manually locked or unlocked from inside the vehicle by using the door handle. If the door handle is pushed (red lock indicator showing) when the door is closed, the door will lock.



Door Lock Handle

WARNING!

- Do not leave children or animals inside parked vehicles in hot weather. Interior heat build-up may cause serious injury or death.
- For personal security and safety in the event of an accident, lock the vehicle doors as you drive as well as when you park and leave the vehicle.
- When leaving the vehicle, always remove the key from the ignition and lock your vehicle. Do not leave unattended children in the vehicle or with access to an unlocked vehicle. Unsupervised use of vehicle equipment may cause severe personal injuries or death.

CAUTION!

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

Power Door Locks

A power door lock switch is incorporated into the door handle. Push or pull the handle to lock or unlock the doors and liftgate. If the door handle is pushed (red lock indicator showing) when the door is closed, the door will lock.

NOTE: To prevent locking the key in the vehicle, the power door lock switch will not operate when the key is in the ignition and either front door is open. A chime will sound as a reminder to remove the key.



Driver Power Door Lock Handle

Automatic Door Locks — If Equipped

The doors will lock automatically on vehicles with power door locks if all of the following conditions are met:

1. The Auto Lock feature is enabled.
2. All doors are closed.
3. The vehicle speed is above 12 mph (20 km/h).
4. The doors were not previously locked using the power door lock switch or Remote Keyless Entry (RKE) transmitter.

Automatic Door Locks Programming

The Auto Close feature can be enabled or disabled with the Electronic Vehicle Information Center (EVIC), refer to “Electronic Vehicle Information Center (EVIC) — If Equipped/Personal Settings (Customer-Programmable Features)” in “Understanding Your Instrument Panel” for further information.

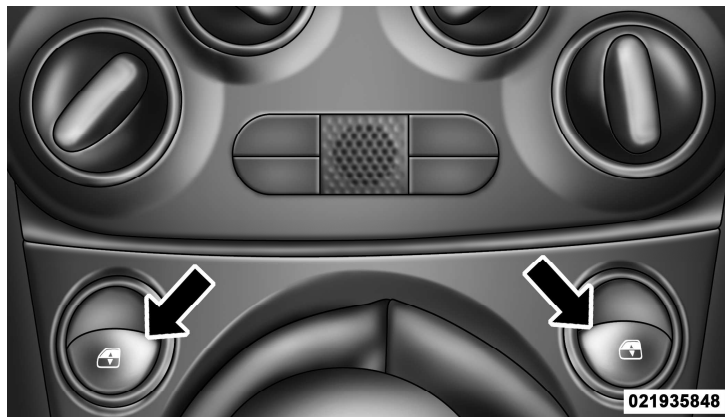
POWER WINDOWS

Power Window Switches

There are single window controls located on the shifter bezel below the climate controls, which operate the driver and passenger door windows. The window controls will operate when the ignition switch is in the ON/RUN position.

WARNING!

Never leave children in a vehicle with the key in the ignition switch. 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.



Power Window Switches

Auto-Down — If Equipped

The driver's door window switch may 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.

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 sunroof open, adjust the sunroof opening to minimize the buffeting or open any window.

LIFTGATE

To unlock the liftgate, use the Remote Keyless Entry (RKE) transmitter or by activating the power door lock switches located on the front door handles.

To open the liftgate, squeeze the liftgate release handle and pull the liftgate open with one fluid motion.



Liftgate Handle

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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.

Gas props support the liftgate in the open position. However, because the gas pressure drops with temperature, it may be necessary to assist the props when opening the liftgate in cold weather.

OCCUPANT RESTRAINTS

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

- Three-point lap and shoulder belts for all seating positions
- Advanced Front Airbags for driver and front passenger
- Supplemental Driver Side Knee Airbag
- Supplemental Side Airbag Inflatable Curtains (SABIC) for the driver and passengers seated next to a window
- Supplemental Seat-Mounted Side Airbags (SAB)
- Knee bolsters/blockers for front seat occupants
- Front seat belts incorporate pretensioners that may enhance occupant protection by managing occupant energy during an impact event

- All seat belt systems (except the driver's) include Automatic Locking Retractors (ALRs), which lock the seat belt webbing into position by extending the belt all the way out and then adjusting the belt to the desired length to restrain a child seat or secure a large item in a seat — if equipped

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.

If you will be carrying children too small for adult-sized seat belts, the seat belts or the Lower Anchors and Tether for CHildren (LATCH) feature also can be used to hold infant and child restraint systems. For more information on LATCH, see Lower Anchors and Tether for CHildren (LATCH).

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Here are some simple steps you can take to minimize the risk of harm from a deploying airbag:

1. **Children 12 years old and under should always ride buckled up in a rear seat.**

WARNING!

Infants in rear facing child restraints should never ride in the front seat of a vehicle with a passenger Advanced Front Airbag. An airbag deployment can cause severe injury or death to infants in that position.

Children that are not big enough to wear the vehicle seat belt properly (see section on Child Restraints) should be secured in the 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 the rear seat. Never allow children to slide the shoulder belt behind them or under their arm.

If a child from 1 to 12 years old (not in a rear facing child seat) 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")

You should read the instructions provided with your child restraint to make sure that you are using it properly.

2. **All occupants should always wear their lap and shoulder belts properly.**
3. **The driver and front passenger seats should be moved back as far as practical to allow the Advanced Front Airbags room to inflate.**

4. Do not lean against the door or window. Your vehicle has Supplemental Side Airbag Inflatable Curtains (SABIC) or Supplemental Seat-Mounted Side Airbags (SAB), and deployment occurs, the SABIC and SAB airbags will inflate forcefully into the space between you and the door.

5. If the airbag 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!

- Relying on the airbags alone could lead to more severe injuries in a collision. The airbags work with your seat belt to restrain you properly. In some collisions, the airbags won't deploy at all. Always wear your seat belts even though you have airbags.
- Being too close to the steering wheel or instrument panel during Advanced Front Airbag deployment could cause serious injury, including death. Airbags need room to inflate. Sit back, comfortably extending your arms to reach the steering wheel or instrument panel.
- Side airbags also need room to inflate. Do not lean against the door or window. Sit upright in the center of the seat.

WARNING!

In an accident, 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.

Buckle up even though you are an excellent driver, even on short trips. Someone on the road may be a poor driver and cause an accident 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 an accident. 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.

Lap/Shoulder Belts

All the seating positions in your vehicle are equipped with combination lap/shoulder belts.

The belt webbing retractor is designed to lock during very sudden stops or accidents. This feature allows the shoulder part of the belt to move freely with you under normal conditions. However in a collision, the belt will lock and reduce the risk of you striking the inside of the vehicle or being thrown out.

WARNING!

- It is dangerous to ride in a cargo area, inside or outside of a vehicle. In an accident, 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.
- Wearing a seat belt incorrectly is dangerous. Seat belts are designed to go around the large bones of your body. These are the strongest parts of your body and can take the forces of an accident the best.

*(Continued)***WARNING! (Continued)**

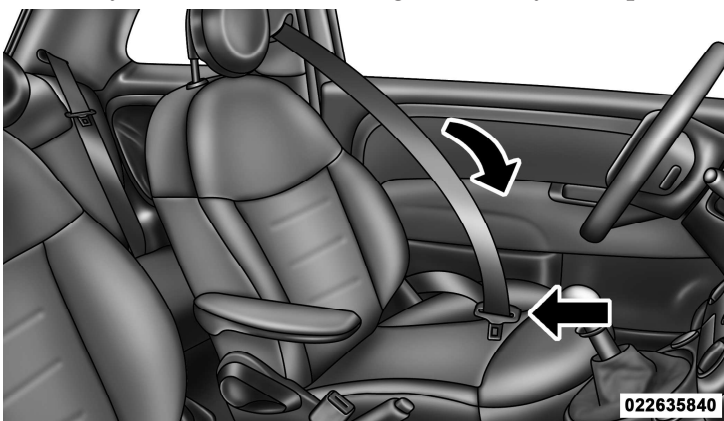
- Wearing your belt in the wrong place could make your injuries in an accident much worse. You might suffer internal injuries, or you could even slide out of part of the belt. Follow these instructions to wear your seat belt safely and to keep your passengers safe, too.
- Two people should never be belted into a single seat belt. People belted together can crash into one another in an accident, hurting one another badly. Never use a lap/shoulder belt or lap belt for more than one person, no matter what their size.

Lap/Shoulder Belt Operating Instructions

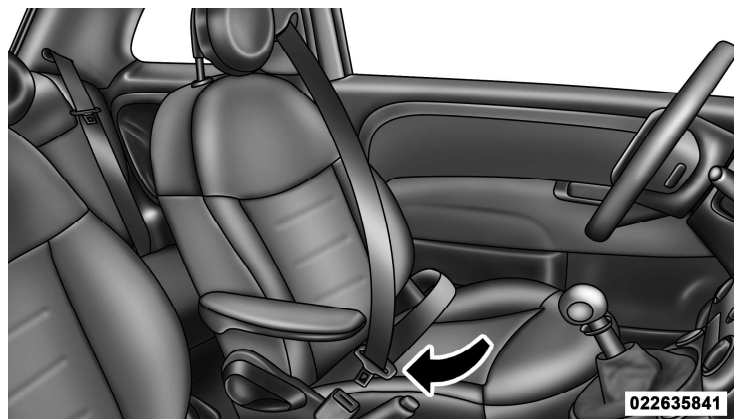
1. Enter the vehicle and close the door. Sit back and adjust the seat.

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2. The seat belt latch plate is along side the pillar near the back of your seat. Grasp the latch plate and pull out the belt. Slide the latch plate up the webbing as far as necessary to allow the belt to go around your lap.

**Pulling Out The Latch Plate**

3. When the belt is long enough to fit, insert the latch plate into the buckle until you hear a "click."

**Inserting Latch Plate Into Buckle**

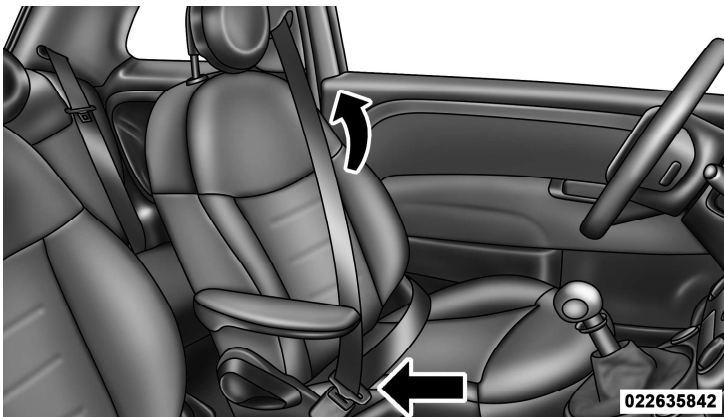
WARNING!

- A 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 belt into the buckle nearest you.
- A 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.

*(Continued)***WARNING! (Continued)**

- A belt that is worn under your arm is dangerous. Your body could strike the inside surfaces of the vehicle in an accident, increasing head and neck injury. A belt worn under the arm can cause internal injuries. Ribs aren't as strong as shoulder bones. Wear the 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 an accident. 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.

4. Position the lap belt across your thighs, 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 belt reduces the risk of sliding under the belt in an accident.



Positioning Lap Belt

WARNING!

- A lap belt worn too high can increase the risk of internal injury in an accident. The belt forces won't be at the strong hip and pelvic bones, but across your abdomen. Always wear the lap belt as low as possible and keep it snug.
- A twisted belt will not protect you properly. In a collision, it could even cut into you. Be sure the belt is straight. If you can't straighten a belt in your vehicle, take it to your authorized dealer immediately and have it fixed.

5. Position the shoulder belt on your chest so that it is comfortable and not resting on your neck. The retractor will withdraw any slack in the belt.

6. To release the belt, push the red button on the buckle. The belt will automatically retract to its stowed position. If necessary, slide the latch plate down the webbing to allow the belt to retract fully.

WARNING!
<p>A frayed or torn belt could rip apart in an accident 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 an accident if they have been damaged (bent retractor, torn webbing, etc.).</p>

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 in (15 to 30 cm) above the latch plate, grasp and twist the 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.

Seat Belts In Passenger Seating Positions

The seat belts in the passenger seating positions are equipped with an Automatic Locking Retractor (ALR) which are 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. The chart below defines the type of feature for each seating position.

	Driver	Passenger
First Row	N/A	ALR
Second Row	ALR	ALR

- N/A — Not Applicable
- ALR — Automatic Locking Retractor

If the passenger seating position is equipped with an ALR and is being used for normal usage:

Only pull the belt webbing out far enough to comfortably wrap around the occupants mid-section so as to not

activate the ALR. If the ALR is activated you will hear a ratcheting sound as the 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 occupants mid-section. Slide the latch plate into the buckle until you hear a "click."

Automatic Locking Retractor Mode (ALR) — If Equipped

In this mode, the shoulder belt is automatically pre-locked. The belt will still retract to remove any slack in the shoulder belt. The Automatic Locking Mode is available on all passenger-seating positions with a combination lap/shoulder belt. Use the Automatic Locking Mode anytime a child safety seat is installed in a seating position that has a belt with this feature. Children 12 years old and under should always be properly restrained in the 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 belt is extracted.
3. Allow the belt to retract. As the belt retracts, you will hear a clicking sound. This indicates the safety 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 belt and retractor assembly must be replaced if the seat belt assembly Automatic Locking Retractor (ALR) feature or any other seat belt function is not working properly when checked according to the procedures in the Service Manual.
- Failure to replace the belt and retractor assembly could increase the risk of injury in collisions.

Seat Belt Pretensioners

The seat belts for both front seating positions are equipped with pretensioning devices that are designed to remove slack from the seat belt in the event of an accident. These devices may improve the performance of the seat belt by assuring that the belt is tight about the occupant early in an accident. 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 airbags, the pretensioners are single use items. A deployed pretensioner or a deployed airbag must be replaced immediately.

Energy Management Feature

This vehicle has a safety belt system with an Energy Management feature in the front seating positions to help further reduce the risk of injury in the event of a head-on accident. This safety belt system has a retractor assembly that is designed to release webbing in a controlled manner. This feature is designed to help reduce the belt force acting on the occupant's chest.

Enhanced Seat Belt Use Reminder System (BeltAlert®)

BeltAlert® is a feature intended to remind the driver and front passenger (if equipped with front passenger BeltAlert®) to fasten their seatbelts. This feature is active whenever the ignition is on. At ignition on, if the driver or front seat passenger is unbelted, the Seat Belt Reminder Light will turn on (solid) and remain on for 6 seconds or until both front seatbelts are fastened. BeltAlert® warning sequence triggers within 10 seconds of the vehicle speed over 6 mph (10 km/h), or immediately of the vehicle speed over 12 mph (20 km/h), by blinking the Seat Belt Reminder Light and sounding an intermittent chime for 96 seconds or until the respective seatbelts are fastened. Once the sequence starts, it will continue until the respective seatbelts are fastened or the vehicle ignition is turned off. After the sequence completes, the Seatbelt Reminder Light remains illuminated (solid) and the chime stops, until the respective seatbelts

are fastened. In reverse gear, if the driver or front seat passenger is unbelted, the Seat Belt Reminder Light will turn on (solid) and remain on until both front seatbelts are fastened. The driver should instruct all other occupants to fasten their seatbelts.

The front passenger seat BeltAlert® is not active when the front passenger seat is unoccupied. BeltAlert® may be triggered when an animal or heavy object is on the front passenger seat or when the seat is folded flat (if equipped). It is recommended that pets be restrained in the rear seat in pet harnesses or pet carriers that are secured by seat belts, and cargo is properly stowed.

BeltAlert® Programming

BeltAlert® can be disabled by your authorized dealer.

Vehicle owners are not able to disable BeltAlert®.

BeltAlert® can be enabled by performing the following procedure:

NOTE: After entering the Menu, an action must be taken within 45 seconds or the Menu will disappear.

1. Turn ignition to the ON/RUN or START position.
2. Press the appropriate Customer Programmable Buttons located on the Instrument Cluster as follows.
3. Press the MENU Button (bottom button). The Menu items will appear on the display.
4. Press the UP or DOWN Button (top or middle button). The "Belt Buzzer" item will appear on the display.
5. Press the MENU Button (bottom button). The "Belt Buzzer: OFF" item will display.
6. Press the UP or DOWN Button (top or middle button). The "Belt Buzzer: ON" item will display.
7. Press the MENU Button (top button). The "Belt Buzzer: ON" item will be saved and removed from the Menu List.

BeltAlert® can be disabled again by your authorized dealer. Vehicle owners are not able to disable BeltAlert®.

Seat Belt Extender

If a seat belt is too short, even when fully extended, and when the adjustable upper shoulder belt anchorage (if equipped) is in its lowest position, your authorized dealer can provide you with a seat belt extender. This extender should be used only if the existing belt is not long enough. When it is not required, remove the extender and store it.

WARNING!

Using a seat belt extender when not needed can increase the risk of injury in an accident. Only use when the seat belt is not long enough when it is worn low and snug, and in the recommended seating positions. Remove and store the extender when not needed.

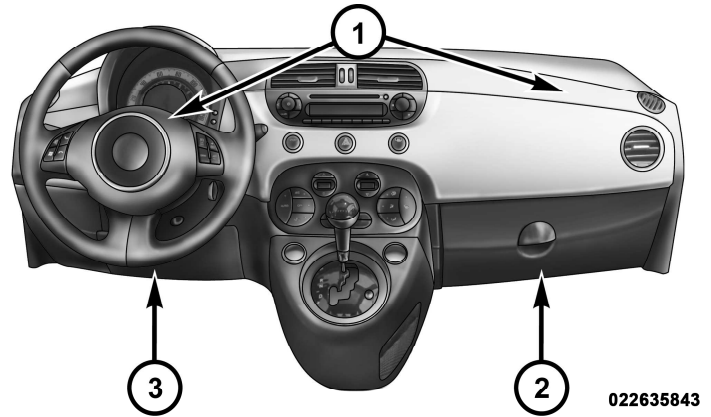
Seat Belts And Pregnant Women

We recommend that pregnant women use the seat belts throughout their pregnancy. Keeping the mother safe is the best way to keep the baby safe.

Pregnant women should wear the lap part of the belt across the thighs and as snug across the hips as possible. Keep the belt low so that it does not come across the abdomen. That way the strong bones of the hips will take the force if there is an accident.

Supplemental Restraint System (SRS) — Airbags

This vehicle has Advanced Front Airbags for both the driver and front passenger as a supplement to the seat belt restraint systems. The driver's Advanced Front Airbag is mounted in the center of the steering wheel. The passenger's Advanced Front Airbag is mounted in the instrument panel, above the glove compartment. The words SRS AIRBAG are embossed on the airbag covers. In addition, the vehicle is equipped with a Supplemental Driver Side Knee Airbag mounted in the instrument panel below the steering column.



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Advanced Front Airbag And Knee Bolster Locations

- 1 — Driver And Passenger Advanced Front Airbags
 2 — Knee Bolster
 3 — Supplemental Driver Side Knee Airbag

NOTE: These airbags are certified to the Federal regulations for Advanced Airbags.

The Advanced Front Airbags are designed to allow the airbags to have different inflation levels based on the severity and type of collision.

This vehicle may be equipped with driver and/or front passenger seat track position sensors that may adjust the inflation level of the Advanced Front Airbags based upon seat position.

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 fastened. The seat belt buckle switch may adjust the inflation level of the Advanced Front Airbags.

This vehicle is equipped with Supplemental Side Airbag Inflatable Curtains (SABIC) to protect the driver, front, and rear passengers sitting next to a window. The SABIC are located above the side windows. The trim covering the SABIC is labeled SRS AIRBAG.

This vehicle is equipped with Supplemental Seat-Mounted Side Airbags (SAB). The SAB are marked with an airbag label sewn into the outboard side of the front seats.

NOTE:

- Airbag covers may not be obvious in the interior trim; but they will open during airbag deployment.
- After any accident, the vehicle should be taken to an authorized dealer immediately.

Airbag System Components

Your vehicle may be equipped with the following airbag system components:

- Occupant Restraint Controller (ORC)
- Airbag Warning Light
- Steering Wheel and Column
- Instrument Panel

- Supplemental Driver Side Knee Airbag
- Knee Impact Bolster
- Driver Advanced Front Airbag
- Passenger Advanced Front Airbag
- Supplemental Seat-Mounted Side Airbags (SAB)
- Supplemental Side Airbag Inflatable Curtains (SABIC)
- Front and Side Impact Sensors
- Front Seat Belt Pretensioners, Seat Belt Buckle Switch, and Seat Track Position Sensors

Advanced Front Airbag Features

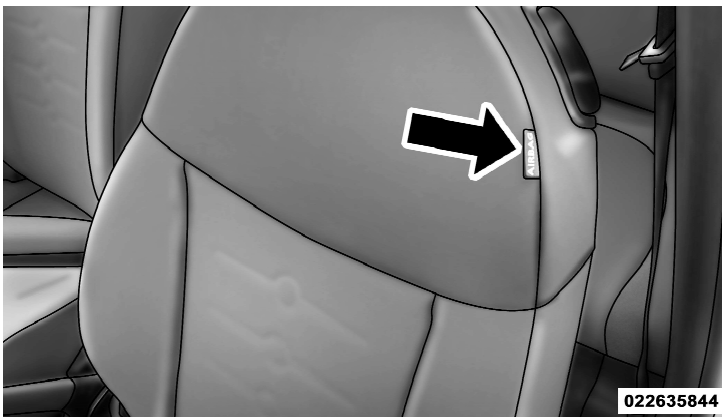
The Advanced Front Airbag system provides output appropriate to the severity and type of collision as determined by the Occupant Restraint Controller (ORC), which may receive information from the front impact sensors.

WARNING!

- No objects should be placed over or near the airbag on the instrument panel, because any such objects could cause harm if the vehicle is in a collision severe enough to cause the airbag to inflate.
- Do not put anything on or around the airbag covers or attempt to open them manually. You may damage the airbags and you could be injured because the airbags may no longer be functional. The protective covers for the airbag cushions are designed to open only when the airbags are inflating.
- Do not drill, cut or tamper with the knee bolster in any way.
- Do not mount any accessories to the knee bolster such as alarm lights, stereos, citizen band radios, etc.

Supplemental Seat-Mounted Side Airbags (SAB)

Supplemental Seat-Mounted Side Airbags (SAB) provide enhanced protection to help protect an occupant during a side impact. The SAB are marked with an airbag label sewn into the outboard side of the front seats.

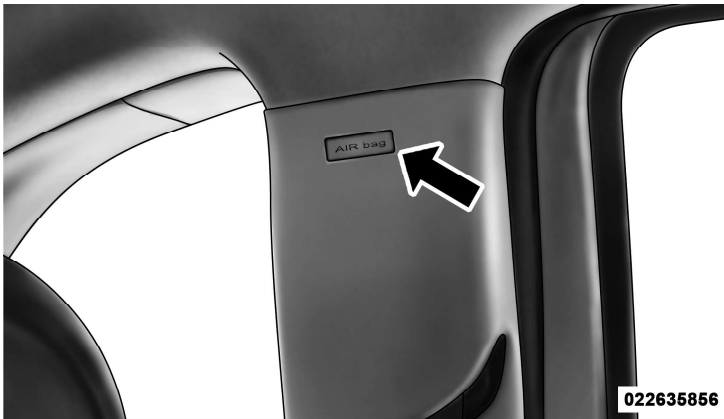


Supplemental Seat-Mounted Side Airbag (SAB) Label

When the airbag deploys, it opens the seam between the front and side of the seat's trim cover. Each airbag deploys independently, that is a left side impact deploys the left airbag only and a right-side impact deploys only the right airbag.

Supplemental Side Airbag Inflatable Curtain (SABIC)

Supplemental Side Airbag Inflatable Curtains (SABIC) may offer side-impact protection to front and rear seat outboard occupants in addition to that provided by the body structure. Each airbag features inflated chambers placed adjacent to the head of each outboard occupant that reduce the potential for side-impact head injuries. The SABIC deploy downward, covering both windows on the impact side.



Supplemental Side Airbag Inflatable Curtains (SABIC) Label Location

NOTE: Airbag covers may not be obvious in the interior trim; but they will open during airbag deployment.

The system includes side impact sensors that are calibrated to deploy the SAB and SABIC during impacts that require airbag occupant protection.

WARNING!

- Your vehicle is equipped with left and right SABIC, do not stack luggage or other cargo up high enough to block the location of the SABIC. The area where the side curtain airbag is located should remain free from any obstructions.
- Do not use accessory seat covers or place objects between you and the SAB; the performance could be adversely affected and/or objects could be pushed into you, causing serious injury.
- Your vehicle is equipped with SABIC airbags, do not have any accessory items installed which will alter the roof, including adding a 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.

Supplemental Driver Side Knee Airbag

The Supplemental Driver Side Knee Airbag provides enhanced protection and works together with the Driver Advanced Front Airbag during a frontal impact.

Knee Impact Bolster

The Knee Impact Bolster helps protect the knees of the passenger side front passenger by positioning the passenger for the best interaction with the Advanced Front Airbags.

Along with seat belts and pretensioners, Advanced Front Airbags work with the Supplemental Driver Side Knee Airbag and the passenger side knee bolster to provide improved protection for the driver and front passenger. SAB and SABIC also work with seat belts to improve occupant protection.

Airbag Deployment Sensors And Controls

Occupant Restraint Controller (ORC)

The ORC is part of a Federally regulated safety system required for this vehicle.

The ORC determines if deployment of the front and/or side airbags in a frontal or side collision is required. Based on the impact sensors signals, a central electronic ORC deploys the Advanced Front Airbags, Supplemental Driver Side Knee Airbag, Supplemental Side Airbag Inflatable Curtain (SABIC), Supplemental Seat-Mounted Side Airbags (SAB), and front seat belt pretensioners, as required, depending on the severity and type of impact.

Advanced Front Airbags and Supplemental Driver Side Knee Airbag are designed to provide additional protection by supplementing the seat belts in certain frontal collisions depending on the severity and type of collision. Advanced Front Airbags are not expected to reduce the risk of injury in rear, or side collisions.

The Advanced Front Airbags and Supplemental Driver Side Knee Airbag 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 Airbags may deploy in crashes with little vehicle front-end damage but that produce a severe initial deceleration.

The side airbags will not deploy in all side collisions. Side airbag deployment will depend on the severity and type of collision.

Because airbag sensors measure vehicle deceleration over time, vehicle speed and damage by themselves are not good indicators of whether or not an airbag should have deployed.

Seat belts are necessary for your protection in all accidents, and also are needed to help keep you in position, away from an inflating airbag.

The ORC monitors the readiness of the electronic parts of the airbag system whenever the ignition switch is in the ON/RUN or START position. If the key is in the OFF/LOCK position, or not in the ignition, the airbag system is not on and the airbags will not inflate.

The ORC contains a backup power supply system that may deploy the airbags even if the battery loses power or it becomes disconnected prior to deployment.



Also, the ORC turns on the Airbag Warning Light in the instrument panel for approximately four to eight seconds for a self-check when the ignition is first turned on. After the self-check, the Airbag Warning Light will turn off. If the ORC detects a malfunction in any part of the system, it

turns on the Airbag Warning Light, either momentarily or continuously. A single chime will sound if the light comes on again after initial startup.

It also includes diagnostics that will illuminate the instrument cluster Airbag Warning Light if a malfunction is noted that could affect the airbag system. The diagnostics also record the nature of the malfunction.

WARNING!

Ignoring the Airbag Warning Light in your instrument panel could mean you won't have the airbags 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 airbag system immediately.

Driver And Passenger Advanced Front Airbag Inflator Units

The Driver and Passenger Advanced Front Airbag Inflator Units are located in the center of the steering wheel and the right side of the instrument panel. When the ORC detects a collision requiring the Advanced Front Airbags, it signals the inflator units. A large quantity of non-toxic gas is generated to inflate the Advanced Front Airbags. Different airbag inflation rates are possible, based on the collision type and severity. The steering wheel hub trim cover and the upper right side of the instrument panel separate and fold out of the way as the airbags inflate to their full size. The airbags fully inflate in about 50 to 70 milliseconds. This is about half of the time it takes to blink your eyes. The airbags then quickly deflate while helping to restrain the driver and front passenger.

The Advanced Front Airbag gas is vented through the vent holes in the sides of the airbag. In this way, the airbags do not interfere with your control of the vehicle.

Supplemental Driver Side Knee Airbag Inflator Unit

The Supplemental Driver Side Knee Airbag unit is located in the instrument panel trim beneath the steering column. When the ORC detects a collision requiring the airbag, it signals the inflator units. A large quantity of non-toxic gas is generated to inflate the Supplemental Driver Side Knee Airbag. The trim cover separates and folds out of the way allowing the airbag to inflate to the full size. The airbag fully inflates in about 15 to 20 milliseconds. The Supplemental Driver Side Knee Airbag gas is vented through small vent holes in the side of airbag.

Supplemental Seat-Mounted Side Airbag (SAB) Inflator Units

The Supplemental Seat-Mounted Side Airbags (SAB) are designed to activate only in certain side collisions.

The ORC determines if a side collision requires the side airbags to inflate based on the severity and type of collision.

Based on the severity and type of collision, the side airbag inflator on the crash side of the vehicle may be triggered, releasing a quantity of non-toxic gas. The inflating SAB exits through the seat seam into the space between the occupant and the door. The SAB fully inflates in about 10 milliseconds. The side airbag moves at a very high speed and with such a high force, that it could injure you if you are not seated properly, or if items are positioned in the area where the side airbag inflates. This especially applies to children.

Supplemental Side Airbag Inflatable Curtain (SABIC) Inflator Units

During collisions where the impact is confined to a particular area of the side of the vehicle, the ORC may deploy the Supplemental Side Airbag Inflatable Curtain (SABIC), depending on the severity and type of collision. In these events, the ORC will deploy the SABIC only on the impact side of the vehicle.

A quantity of non-toxic gas is generated to inflate the side curtain airbag. The inflating side curtain airbag pushes the outside edge of the headliner out of the way and covers the window. The airbag inflates in about 30 milliseconds (about one-quarter of the time that it takes to blink your eyes) with enough force to injure you if you

are not belted and seated properly, or if items are positioned in the area where the side curtain airbag inflates. This especially applies to children. The side curtain airbag is about 3-1/2 in (9 cm) thick when it is inflated.

Because airbag sensors estimate deceleration over time, vehicle speed and damage are not good indicators of whether or not an airbag should have deployed.

Front And Side Impact Sensors

In front and side impacts, impact sensors can aid the ORC in determining appropriate response to impact events.

Enhanced Accident Response System

In the event of an impact causing airbag deployment, 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 ignition key is turned off.
- Turn on the interior lights, which remain on as long as the battery has power or until the ignition key is removed.

- Unlock the doors automatically.

After the event occurs, when the system is active, the message "Fuel Cutoff See Handbook" is displayed.

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.

System Reset Procedure

After an impact causing airbag deployment, the left and right turn signal lights, located in the instrument panel cluster, will both be blinking, until the ignition is turned off.

Customer Action	Customer Will See
1. Turn ignition OFF. (Turn Signal Switch Must be placed in Neutral State).	
2. Turn ignition ON.	Left Turn Light is OFF. Right Turn Light BLINKS.
3. Turn Right Turn Signal Switch ON.	Right Turn Light is ON SOLID. Left Turn Light BLINKS.
4. Turn Left Turn Signal Switch ON.	Left Turn Light is ON SOLID. Right Turn Light BLINKS.
5. Turn Right Turn Signal Switch ON.	Right Turn Light is ON SOLID. Left Turn Light BLINKS.
6. Turn Left Turn Signal Switch ON.	Left Turn Light is ON SOLID. Right Turn Light is ON SOLID.
7. Turn Left Turn Signal Switch OFF. (Turn Signal Switch Must be placed in Neutral State).	Left Turn Light is OFF. Right Turn Light is OFF.
8. Turn ignition OFF.	System is now reset and the engine may be started.
9. Turn Hazard Flashers OFF (Manually).	

If a reset procedure step is not completed within 45 seconds, then the turn signal lights will turn off and the reset procedure must be performed again in order to be successful.

If A Deployment Occurs

The front airbags are designed to deflate immediately after deployment.

NOTE: Front and/or side airbags will not deploy in all collisions. This does not mean something is wrong with the airbag system.

If you do have a collision, which deploys the airbags, any or all of the following may occur:

- The nylon airbag material may sometimes cause abrasions and/or skin reddening to the driver and front passenger as the airbags 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 airbags 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

airbag 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 airbags have deployed. If you are involved in another collision, the airbags will not be in place to protect you.

WARNING!

Deployed airbags, and seat belt pretensioners cannot protect you in another collision. Have the airbags, seat belt pretensioners, and the front seat belt retractor assemblies replaced by an authorized dealer immediately. Also, have the Occupant Restraint Controller (ORC) system serviced as well.

Maintaining Your Airbag System

WARNING!

- Modifications to any part of the airbag system could cause it to fail when you need it. You could be injured if the airbag 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 airbag system yourself. Be sure to tell anyone who works on your vehicle that it has an airbag system.

(Continued)

WARNING! (Continued)

- Do not attempt to modify any part of your airbag system. The airbag may inflate accidentally or may not function properly if modifications are made. Take your vehicle to an authorized dealer for any airbag 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 airbag system for persons with disabilities, contact your authorized dealer.

Airbag Warning Light



You will want to have the airbags ready to inflate for your protection in a collision. The Airbag Warning Light monitors the internal circuits and interconnecting wiring associated with airbag system electrical components. While the airbag system is designed to be maintenance free, if any of the following occurs, have an authorized dealer service the airbag system immediately.

- The Airbag Warning Light does not come on during the four to eight seconds when the ignition switch is first turned to the ON/RUN position.
- The Airbag Warning Light remains on after the four to eight-second interval.
- The Airbag 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. The airbags may not be ready to inflate for your protection. Promptly check the fuse block for blown fuses. Refer to the label located on the inside of the fuse block cover for the proper airbag fuses. See your authorized dealer if the fuse is good.

Event Data Recorder (EDR)

This vehicle is equipped with an event data recorder (EDR). The main purpose of an EDR is to record, in certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle, data that will assist in understanding how a vehicle's systems performed. The EDR is designed to record data related to vehicle dynamics and safety systems for a short period of time, typically 30 seconds or less. The EDR in this vehicle is designed to record such data as:

- How various systems in your vehicle were operating;

- Whether or not the driver and passenger safety belts were buckled/fastened;
- How far (if at all) the driver was depressing the accelerator and/or brake pedal; and,
- How fast the vehicle was traveling.

These data can help provide a better understanding of the circumstances in which crashes and injuries occur.

NOTE: EDR data are recorded by your vehicle only if a non-trivial crash situation occurs; no data are recorded by the EDR under normal driving conditions and no personal data (e.g. name, gender, age, and crash location) are recorded. However, other parties, such as law enforcement, could combine the EDR data with the type of personally identifying data routinely acquired during a crash investigation.

To read data recorded by an EDR, special equipment is required, and access to the vehicle or the EDR is needed. In addition to the vehicle manufacturer, other parties

such as law enforcement, that have the special equipment, can read the information if they have access to the vehicle or the EDR.

Child Restraints

Everyone in your vehicle needs to be buckled up at all times, including babies and children. Every state in the United States and all Canadian provinces require that small children ride in proper restraint systems. This is the law, and you can be prosecuted for ignoring it.

Children 12 years and 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.

There are different sizes and types of restraints for children from newborn size to the child almost large enough for an adult safety belt. Always check the child seat owner's manual to ensure you have the correct seat for your child. Use the restraint that is correct for your child.

WARNING!

In a collision, an unrestrained child, even a tiny baby, 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.

Infants And Child Restraints

- Safety experts recommend that children ride rearward-facing in the vehicle until they are at least one year old and weigh at least 20 lbs (9 kg). Two types of child restraints can be used rearward-facing infant carriers and convertible child seats. Both types of child restraints are held in the vehicle by the lap/shoulder belt or the LATCH child restraint anchorage system.

Refer to "LATCH — Child Seat Anchorage System (Lower Anchors and Tether for CHildren)".

- The infant carrier is only used rearward-facing in the vehicle. It is recommended for children who weigh up to about 20 lbs (9 kg). Convertible child seats can be used either rearward-facing or forward-facing in the vehicle. Convertible child seats often have a higher weight limit in the rearward-facing direction than infant carriers do, so they can be used rearward-facing by children who weigh more than 20 lbs (9 kg) but are younger than one year old. Both types of child restraints are held in the vehicle by the lap/ shoulder belt or the LATCH child restraint anchorage system. Refer to the "LATCH – Child Seat Anchorage System (Lower Anchors and Tether for CHildren)" in this section.

WARNING!

Rearward-facing child seats must never be used in the front seat of a vehicle with a front passenger airbag. An airbag deployment could cause severe injury or death to infants in this position.

Children Too Large For Booster Seats

Children who are large enough to wear the shoulder belt comfortably and whose legs are long enough to bend over the front of the seat when their back is against the seatback should use the lap/shoulder belt in a rear seat.

- Make sure that the child is upright in the seat.
- The lap portion should be low on the hips and as snug as possible.
- Check belt fit periodically. 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. Never allow a child to put the shoulder belt under an arm or behind their back.

Here are some tips on getting the most out of your child restraint:

- Before buying any restraint system, make sure that it has a label certifying that it meets all applicable Safety Standards. Chrysler Group LLC also recommends that you make sure that you can install the child restraint in the vehicle where you will use it, before you buy it.
- The restraint must be appropriate for your child's weight and height. Check the label on the restraint for weight and height limits.
- Carefully follow the instructions that come with the restraint. If you install the restraint improperly, it may not work when you need it.

NOTE: For additional information, refer to www.seatcheck.org or call 1-866-SEATCHECK. Canadian residents, should refer to Transport Canada's website for additional information. <http://www.tc.gc.ca/roadsafety/safedrivers/childsafety/index.htm>

Rear Facing Child Seat

A rear facing child seat should be used only in the rear passenger side position. The passenger seat can be locked forward in a position to allow securing a rear facing child seat in the rear seat behind it. For further information on locking the passenger seat, refer to "Seats" in "Understanding The Features Of Your Vehicle".

Older Children and Child Restraints

- Children who weigh more than 20 lbs (9 kg) and who are older than one year can ride forward-facing in the vehicle. Forward-facing child seats and convertible child seats used in the forward-facing direction are for

children who weigh 20 to 40 lbs (9 to 18 kg) and who are older than one year. These child seats are also held in the vehicle by the lap/shoulder belt or the LATCH child restraint anchorage system. Refer to "LATCH — Child Seat Anchorage System (Lower Anchors and Tether for CHildren)".

- The belt-positioning booster seat is for children weighing more than 40 lbs (18 kg), but who are still too small to fit the vehicle's seat belts properly. If the child cannot sit with knees bent over the vehicle's cushion while the child's back is against the seatback; they should use a Belt Positioning Booster Seat. The child and booster seat are held in the vehicle by the lap/shoulder belt.

WARNING!

- **Improper installation can lead to failure of an infant or child restraint. It could come loose in a collision. The child could be badly injured or killed. Follow the manufacturer's directions exactly when installing an infant or child restraint.**
- **A rearward-facing child restraint should only be used in a rear seat. A rearward-facing child restraint in the front seat may be struck by a deploying passenger airbag which may cause severe or fatal injury to the infant.**

Lower Anchors and Tether for CHildren (LATCH)

Your vehicle is equipped with the child restraint anchorage system called LATCH, which stands for Lower Anchors and Tether for CHildren. The LATCH system provides for the installation of the child restraint without using the vehicle seat belt, instead securing the child

restraint using lower anchorages and upper tether straps from the child restraint to the vehicle structure.

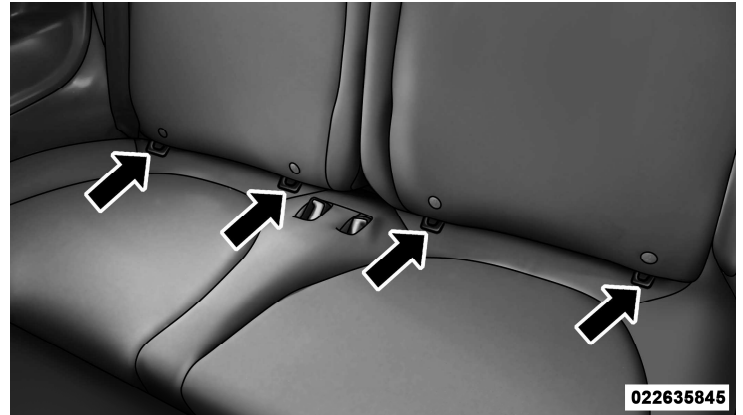
LATCH-compatible child restraint systems are now available. However, because the lower anchorages are to be introduced over a period of years, child restraint systems having attachments for those anchorages will continue to have features for installation using the vehicle's seat belts. Child restraints having tether straps and hooks for connection to the top tether anchorages have been available for some time. For some older child restraints, many child restraint manufacturers offer add-on tether strap kits or retrofit kits. You are urged to take advantage of all the available attachments provided with your child restraint in any vehicle.

Child seats with fixed lower attachments must be installed in the outboard positions only. If you are installing LATCH-compatible child restraints in adjacent rear seating positions, you can use the LATCH anchors or the

vehicle's seat belt for the outboard position. If your child restraints are not LATCH-compatible, you can only install the child restraints using the vehicle's seat belts. Please refer to "Installing the Child Restraint System" for typical installation instructions.

WARNING!

You should never install LATCH-compatible child seats so that two seats share a common anchorage. If installing seats in adjacent seating positions, or if your child restraints are not LATCH-compatible, install the restraints using the vehicle's seat belts.



Rear Seat LATCH Anchorages

Installing The LATCH – Compatible Child Restraint System

We urge you to carefully follow the directions of the manufacturer when installing your child restraint. Not all child restraint systems will be installed as described here.

Again, carefully follow the installation instructions that are provided with the child restraint system.



The lower anchorages are round bars, part of the seat and body structure, and are readily visible. In addition, there are tether strap anchorages behind each rear seating position,

located in the rear surface of the seat back.

These are round bars, located at the rear of the seat cushion where it meets the seat back, and 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 intersection of the surfaces

The lower strap hooks are passed over the top of each bar, pushing aside the seat cover material



Many, but not all restraint systems will be equipped with separate straps on each side, with each having a hook or connector for

attachment to the lower anchorage and a means of adjusting the tension in the strap. Forward-facing toddler restraints and some rear-facing infant restraints will also be equipped with a tether strap, a hook for attachment to the tether strap anchorage and a means of adjusting the tension of the strap.

You will first loosen the child seat adjusters on the lower straps and on the tether strap so that you can more easily attach the hook or connectors to the vehicle anchorages. Next, attach the lower hooks or connectors over the top of the seat cover material. Then attach the tether strap to the anchorage directly behind the seat where you are placing the child restraint, being careful to route the tether strap to provide the most direct path between the anchor and the child restraint, preferably between the head restraint posts underneath the head restraint. Finally, tighten all three straps as you push the child

restraint rearward and downward into the seat, removing slack in the straps according to the child restraint manufacturer's instructions.

NOTE:

- Ensure that the tether strap does not slip into the opening between the seatbacks as you remove the slack in the strap.
- When using the LATCH attaching system to install a child restraint, please ensure that all seat belts not being used for occupant restraints are stowed and out of reach of children. It is recommended that before installing the child restraint, buckle the seat belt so the seat belt is tucked behind the child restraint. This should stow the seat belt out of the reach of an inquisitive child. Remind all children in the vehicle that the seat belts are not toys and that they should not play with them. In addition, never leave unattended children in the vehicle.

WARNING!

Improper installation of a child restraint to the LATCH anchorages can lead to failure of an infant or child restraint. The child could be badly injured or killed. Follow the manufacturer's directions exactly when installing an infant or child restraint.

Installing Child Restraints Using The Vehicle Seat Belt

The seat belts in the passenger seating positions are equipped with an Automatic Locking Retractor (ALR) to secure a Child Restraint System (CRS). These types of seat belts are designed to keep the lap portion of the seat belt tight around the child restraint so that it is not necessary to use a locking clip. The ALR will make a ratcheting noise if you extract the entire belt from the retractor and then allow the belt to retract into the retractor. For additional information on ALR, refer to

"Automatic Locking Mode" description under "Seat Belts In Passenger Seating Positions" section. The chart below defines the seating positions with an Automatic Locking Retractor (ALR) or a cinching latch plate.

	Driver	Passenger
	CRS Lock	CRS Lock
First Row	N/A	ALR
Second Row	ALR	ALR

Installing a Child Restraint with an ALR:

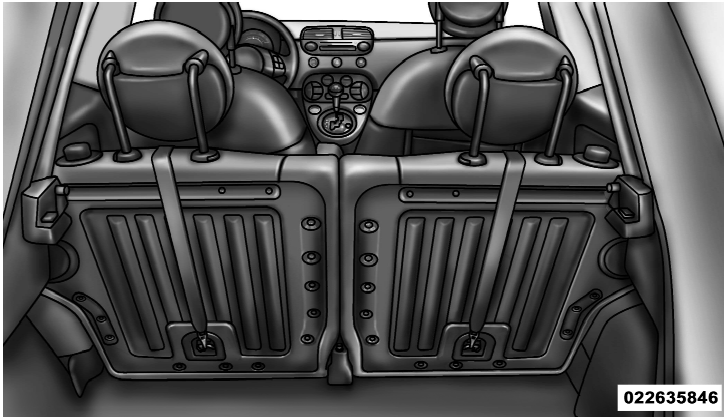
1. To install a child restraint with ALR, first, pull enough of the seat belt webbing from the retractor to route it through the belt path of the child restraint. Slide the latch plate into the buckle until you hear a "click." Next, extract all the seat belt webbing out of the retractor and then allow the belt to retract into the retractor. As the belt retracts, you will hear a ratcheting sound. This indicates the safety belt is now in the Automatic Locking mode.

2. Finally, pull on any excess webbing to tighten the lap portion around the child restraint. Any seat belt system will loosen with time, so check the belt occasionally, and pull it tight if necessary.

- In the rear seat, you may have trouble tightening the lap/shoulder belt on the child restraint because the buckle or latch plate is too close to the belt path opening on the restraint. Disconnect the latch plate from the buckle and twist the short buckle-end belt several times to shorten it. Insert the latch plate into the buckle with the release button facing out.
- If the belt still can't be tightened, or if pulling and pushing on the restraint loosens the belt, disconnect the latch plate from the buckle, turn the buckle around, and insert the latch plate into the buckle again. If you still can't make the child restraint secure, try a different seating position.

To attach a child restraint tether strap:

- Route the tether strap to provide the most direct path for the strap between the anchor and the child seat, routing it under the head restraint.



Tether Straps Routed To Tether Anchors

- If necessary, move the seat forward to provide better access to the tether anchor.
- Attach the tether strap hook of the child restraint to the tether anchor and remove slack in the tether strap according to the child restraint manufacturer's instructions.

NOTE: Ensure that the tether strap does not slip into the opening between the seatbacks as you remove slack in the strap.

WARNING!

An incorrectly anchored tether strap could lead to increased head motion and possible injury to the child. Use only the anchor position directly behind the child seat to secure a child restraint top tether strap.

Transporting Pets

Airbags deploying in the front seat could harm your pet. An unrestrained pet will be thrown about and possibly injured, or could injure a passenger during panic braking or in an accident.

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 engine and drivetrain (transmission and axle) in your vehicle.

Drive moderately during the first 300 miles (500 km). After the initial 60 miles (100 km), speeds up to 50 or 55 mph (80 or 90 km/h) are desirable.

While cruising, brief full-throttle acceleration within the limits of local traffic laws, contributes to a good break-in. Wide-open throttle acceleration in low gear can be detrimental and should be avoided.

The engine oil installed in the engine at the factory is a high-quality energy conserving type lubricant. Oil changes should be consistent with anticipated climate conditions under which vehicle operations will occur. For the recommended viscosity and quality grades refer to "Maintenance Procedures" in "Maintaining Your Vehicle". **NON-DETERGENT OR STRAIGHT MINERAL OILS MUST NEVER BE USED.**

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.

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.

WARNING! (Continued)

- 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 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.

If you are required to drive with the trunk/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.

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 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 belt or retractor condition, replace the belt.

Airbag Warning Light

The light should come on and remain on for four to eight seconds as a bulb check when the ignition switch is first turned ON. If the light is not lit during starting, see your

authorized dealer. If the light stays on, flickers, or comes on while driving, have the system checked by an authorized dealer.

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 foot well 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.**
- **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.**

(Continued)

WARNING! (Continued)

- **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 foot well 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. Inspect the tread and sidewall for cuts and cracks. Check the wheel nuts for tightness. Check the tires (including spare) for proper pressure.

Lights

Have someone observe the operation of exterior lights while you work the controls. Check turn signal and high beam indicator lights on the instrument panel.

Door Latches

Check for positive closing, latching, and locking.

Fluid Leaks

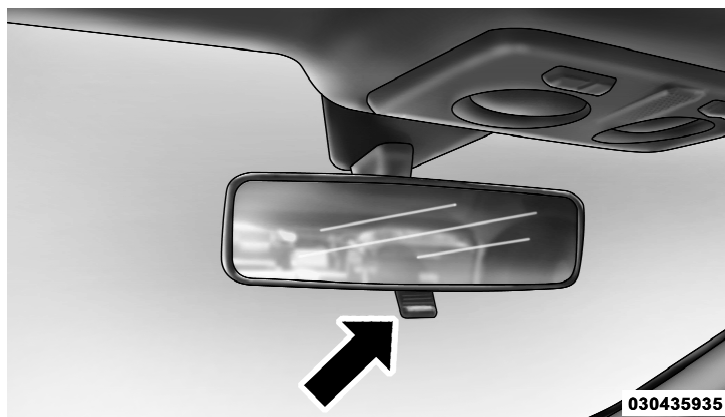
Check area under vehicle after overnight parking for fuel, engine coolant, oil, or other fluid leaks. Also, if gasoline fumes are detected or if fuel, power steering fluid, or brake fluid leaks are suspected, the cause should be located and corrected immediately.

MIRRORS

Inside Day/Night Mirror

The mirror 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).

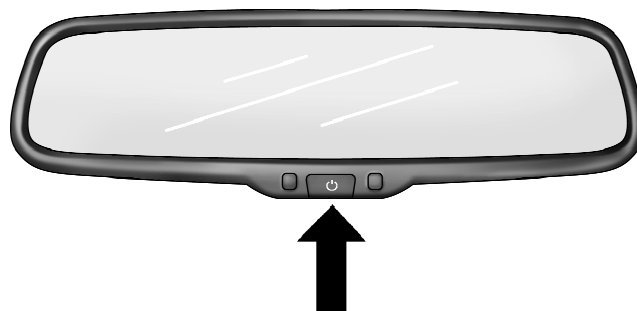


Adjusting Rearview Mirror

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Automatic Dimming Mirror — If Equipped

This mirror automatically adjusts for headlight glare from vehicles behind you. You can turn the feature on or off by pressing the button at the base of the mirror. A light to the left of the button will illuminate to indicate when the dimming feature is activated. The sensor to the right of the button does not illuminate.



Automatic Dimming Mirror

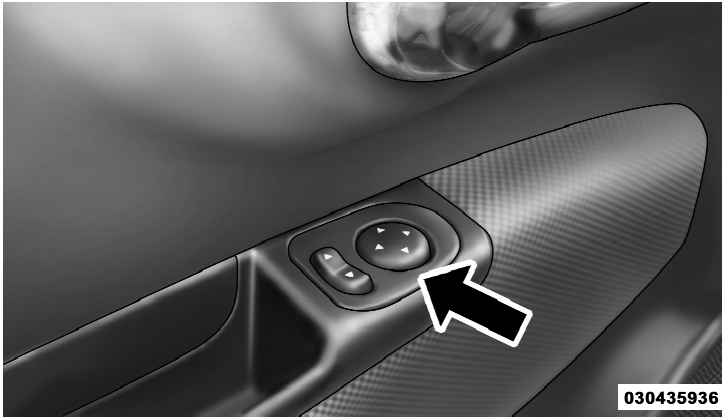
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CAUTION!

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.

Power Mirrors

The power mirror controls are located on the driver's door trim panel.



Power Mirror Switches

The power mirror controls consist of mirror select switch and a four-way mirror control switch. To adjust a mirror, press the mirror select switch to either the L (left) or R (right) to select the mirror you need to adjust.

Using the mirror control switch, press on any of the four arrows for the direction that you want the mirror to move.

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 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.

Spotter Mirror — If Equipped

Some models are equipped with a driver's side spotter mirror. The spotter mirror allows for a greater range of visibility on the drivers side of the vehicle.




Spotter Mirror

Folding Mirrors

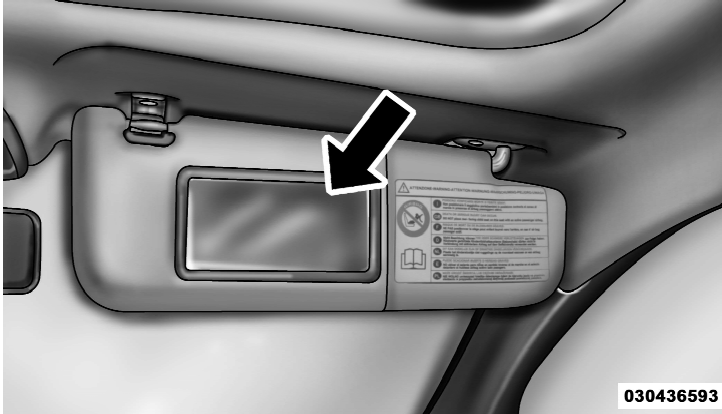
The exterior mirrors are hinged to allow the mirror to pivot forward or rearward to help avoid damage. The mirror has three detent positions: full forward, normal and full rearward.

Heated Mirrors

 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.

Sun Visors

The driver and passenger sun visors are located on the headliner, near the front windshield. The sun visor can be rotated downward or up against the door glass.



Sun Visor (Driver's Side)

Courtesy Mirrors

The passenger side sun visor comes equipped with a courtesy mirror.

HANDS-FREE PHONE — IF EQUIPPED

Overview

Windows Mobile™-based Fiat Blue&Me™ is a personal telematic system enabling to use communication and entertainment applications expressly designed for use in the car.

The Blue&Me™ system installed on your car is equipped with hands-free kit, message reader and media player, and it is preset for future installation of additional services.

The Blue&Me™ system, fully integral with voice commands, buttons on the steering wheel and multifunction display messages, gives you the possibility of interacting with your Bluetooth® wireless technology mobile phone (even if you keep it in your pocket or bag) without having to take your eyes off the road or removing your hands from the steering wheel. To use voice commands you are not required to train the voice recognition system

to recognize your voice. This implies that the system is nearly equally performing with different persons, i.e.: the voice recognition system is of the “speaker independent” type.

With this system you can also play your favorite music stored on USB device and select tracks and playback modes with both voice commands or buttons on the steering wheel.

This device complies with Part 15 of the FCC rules subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept all interference received, including interference that may cause undesired operation.

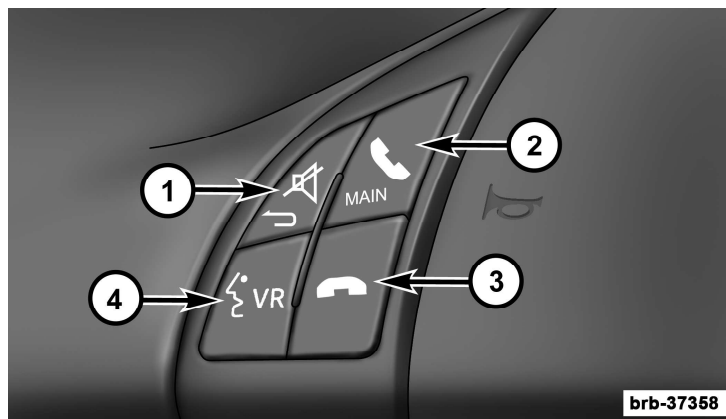
The Hands-Free Kit

The basic characteristic of this hands-free kit is voice recognition with Bluetooth® wireless technology. With this system you can make and receive calls safely and securely using either voice commands or buttons on the steering wheel under whatever driving condition without having to take your eyes off the road or removing your hands from the steering wheel, as required by current law regulations.

Bluetooth® wireless technology enables wireless connection between your mobile phone and the hands-free kit installed on your car.

To use the hands-free kit, you need a Bluetooth® wireless technology enabled mobile phone. This hands-free kit gives you the possibility of interacting vocally with your mobile phone while driving, even if your mobile device does not feature this capability. You can also interact with

your mobile phone manually and visually using the steering wheel controls and the instrument panel multi-function display.



1 — Mute/ESC
4 — Windows Icon/VR

2 — Phone/Main
3 — Phone Hang Up

brb-37358

For further details on the mobile phones supported by Blue&Me™, refer to section Blue&Me™ SUPPORTED MOBILE PHONES.

To get started with Blue&Me™ hands-free kit with voice recognition, you have to simply pair your Bluetooth® wireless technology enabled mobile phone with the system.

Pairing is an operation that has to be made only once.

NOTE:

- During the mobile phone pairing procedure, Blue&Me™ attempts to detect a phone equipped with Bluetooth® wireless technology within range and then establishes the connection using a Personal Identification Number (PIN).
- Once your phone is paired, you have the option to transfer your mobile phone contacts to the hands-free kit, to make a phone call either by using the contacts

list or directly pronouncing the phone number, to answer a call and also to answer another incoming phone call.

- To interact with Blue&Me™ you can use either buttons on the steering wheel and voice commands. With voice recognition, you can perform system function by speaking voice commands, also identified as “keywords”. When the system recognizes a keyword, it will respond with the appropriate action. Voice recognition is an easy and convenient way to use Blue™.

All the system functions are available within the Blue&Me™ Main Menu. When the car is not moving, you can scroll through the complete menu using either buttons on the steering wheel and voice commands. When you are travelling, you can interact with Blue&Me™ using buttons on the steering wheel or voice commands relevant only to phone functions (LAST CALLS and PHONEBOOK) and media player. To activate settings when travelling you can only use voice commands.

The hands-free kit enables the following operations:

- **Contact Calling By Voice** — you can call a contact in your mobile phone phonebook using your voice. You can also call a contact in your phonebook by scanning through the entries on the multifunction display. (To use this option you have to transfer your mobile phone contacts to the hands-free kit phonebook).
- **Digit Dialing By Voice** — you can dial a phone number by pressing the windows icon button (VR button) on the steering wheel and speaking the digits to be dialed.
- **To Call The SMS Text Sender** — call directly the last SMS text sender or the sender of a message received and stored yet in the Blue&Me™ inbox.
- **To Answer A Call** — you can answer an incoming call by pressing the MAIN/Phone button on the steering wheel.

- **Conference Call** — you can call another contact while you are engaged in a phone conversation (with Bluetooth® phones supporting this option).
- **Call Waiting** — while engaged in a phone conversation, you can receive notification of another incoming phone call, answer the other incoming phone call, and switch between two ongoing phone conversations. (Call waiting is only supported by a subset of compatible mobile phones).
- **Refusing Incoming Call Or Ending A Call** — you can refuse an incoming call or end a current call by pressing the Phone Hang-up button on the steering wheel.

After you place your mobile phone in the car environment and create a pairing relationship with Blue&Me™, you can make phone calls by speaking keywords or pressing buttons on the steering wheel. When using the

hands-free phone, the audio output of a phone conversation is heard through your car sound speakers.

Message Reader

The Blue&Me™ message reader enables automatic reading, through the car sound system, of the SMS texts you receive on your Bluetooth® wireless technology mobile phone that are received when the phone is paired and connected to Blue&Me™ system. It does not provide access to messages that were received before you entered the car and connected with the Blue&Me™ system. The message reader will also interpret any abbreviation and emoticon contained in the SMS text.

NOTE: Not all mobile phones support the SMS text message reader function or automatic phonebook transfer via Bluetooth®. Consult www.ciafiat.com for further information on the list of compatible mobile phones.

Message reader functions are managed by the control buttons on the steering wheel or by the Blue&Me™ voice commands.

The Blue&Me™ message reader enables the following operations:

- To display on the instrument panel multifunction display a visual notification signal indicating that you have received a new SMS text on your Bluetooth® wireless technology mobile phone, with sender's number/name; Blue&Me™ will also ask whether to read you the message that has been received.
- To manage the list of SMS texts received on your Blue&Me™ paired mobile phone.
- To read the messages received and stored. Messages can be read multiple times.
- To call the SMS text sender using the buttons on the steering wheel or voice commands.

- To delete individual messages or the entire inbox using the buttons on the steering wheel or voice commands.

The Blue&Me™ system can also recognize and read abbreviations, if any (e.g. "ILUVU" will be read like "I love you") and interpret the most usual emoticons (e.g. :-) will be read like "Smile"), adopted nowadays to write SMS texts.

Media Player

With the Blue&Me™ media player you can play, via the car sound system, the digital audio files stored on a USB device by simply connecting it to the USB port located in the glove box of the car.

In this way, while you are driving you can play your favorite personal music collections.

- **iPod® Player** — see dedicated paragraph under Media Player Functions.

The media player enables the following operations:

- **Digital Audio Playback** — you can play all your digital audio files (.mp3,.wma,.wav,.aac) or play a customized playlist (.m3u or.wpl format).
- **Audio File Selection By Category** — you can play all audio files of a certain category, e.g.: album, artist or genre.
- **Playback Options** — while playing tracks you can select the following options: Play, Stop, Next track, Previous track, Shuffle and Loop track.

NOTE:

- The media player does not support audio files compressed with other formats and DRM (Digital Right Management) protected audio files. Non-supported audio files that may be present on the USB device will be ignored.

- To use the media player, you have to simply connect (directly or by an extension lead) your USB device to the car USB port. Turning the ignition key to ON, Blue&Me™ will start building your media library. At the end of this operation you can surf the whole library and scroll its categories as required using the buttons on the steering wheel or voice commands. Blue&Me™ will then play your selection via the car sound system.

WARNING!

- Operating certain parts of this system while driving can distract your attention away from the road, and possibly cause an accident or other serious consequences; for this reason certain functions shall be disabled by the Blue&Me™ system until driving conditions are secure and, if required, only when the car is stopped.

(Continued)

WARNING! (Continued)

- **Read and Follow Instructions:** before using your system, read and follow all instructions and safety information provided in this end user manual ("User's Guide"). Not following precautions found in this User's Guide can lead to an accident or other serious consequences.
- **Keep User's Guide in the car:** when kept in the car, the User's Guide will be a ready reference for you and other users unfamiliar with the system. Please make certain that before using the system for the first time, all persons have access to the User's Guide and read its instructions and safety information carefully.

SEATS

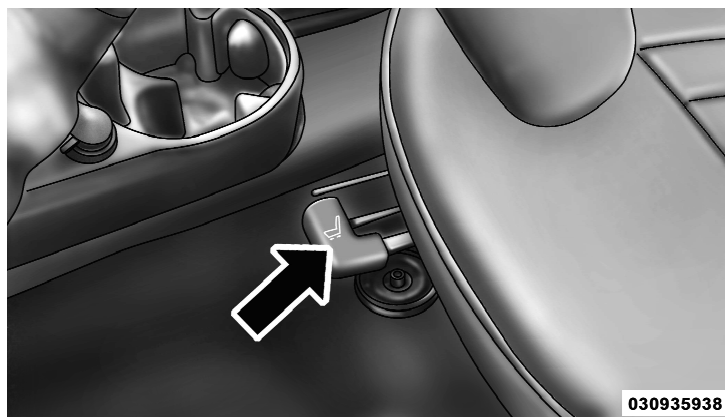
Seats are a part of the Occupant Restraint System of the vehicle.

WARNING!

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

Front Seats Forward/Rearward Adjustment

The adjusting bar is located at the front of the seats, near the floor.



Adjusting Bar

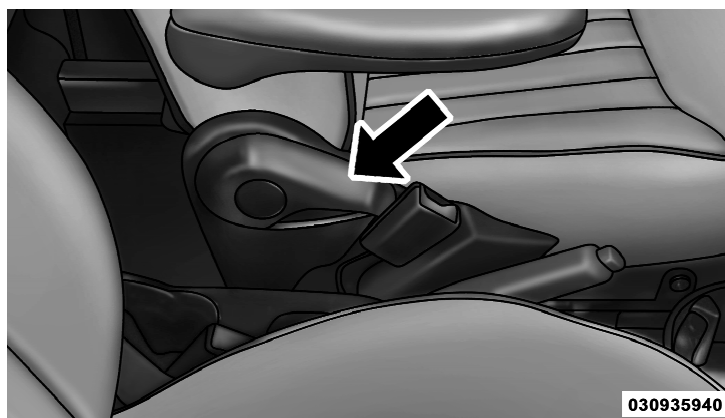
While sitting in the seat, lift up on the bar and move the seat forward or rearward. Release the bar once the desired position is reached. Then, using body pressure, move forward and rearward on the seat to be sure that the seat adjusters have latched.

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 Adjustment

The recline adjustment lever is located on the inboard side of the seat. To recline the seatback, lift up the recline lever, lean back until the desired position has been reached, and release the lever.



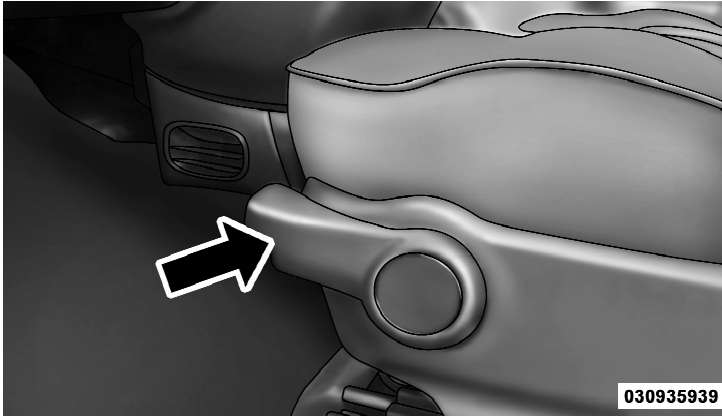
Recline Lever

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.

Seat Height Adjustment

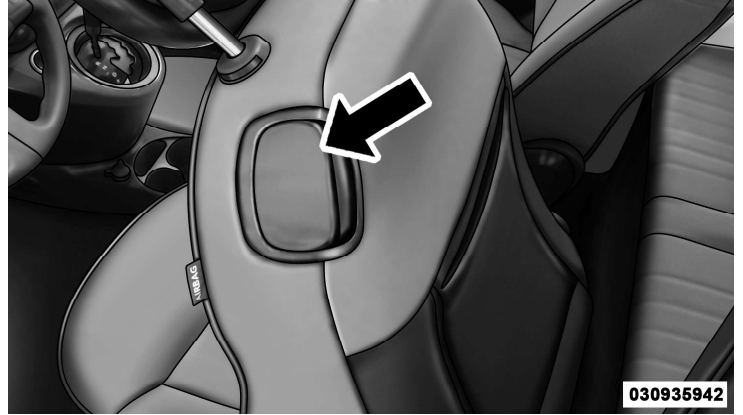
The driver's seat height can be raised or lowered by using a lever, located on the outboard side of the seat. Pump the lever upward to raise the seat height, or pump the lever downward to lower the seat height.



Height Adjuster

EZ Entry Feature

The driver and front passenger seats have an EZ entry feature for rear seat passengers. Pull forward on the release lever, located on the outboard side of the seatback, dump the seatback forward, then slide the seat forward to allow access in and out of the rear seat.



EZ Entry Lever

Lift the seatback upright and push the seat rearward to its locked position once the rear passengers are seated.

Memory Feature

The driver's seat also has a memory feature. After using the EZ entry function, the seatback and the adjuster will re-lock into the position it was originally adjusted to.

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.

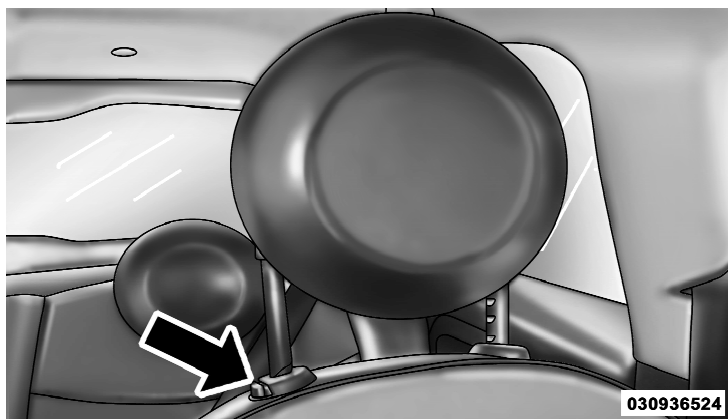
WARNING!

The head restraints for all occupants must be properly adjusted before 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 an accident.

Active Head Restraints — Front Seats

The front driver and passenger seats are equipped with Active Head Restraints (AHR). In the event of a rear impact the AHRs will automatically extend forward minimizing the gap between the back of the occupant's head and the AHR.

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



Push Button

The AHRs will automatically return to their normal position following a rear impact. If the AHRs do not return to their normal position, see your authorized dealer immediately.

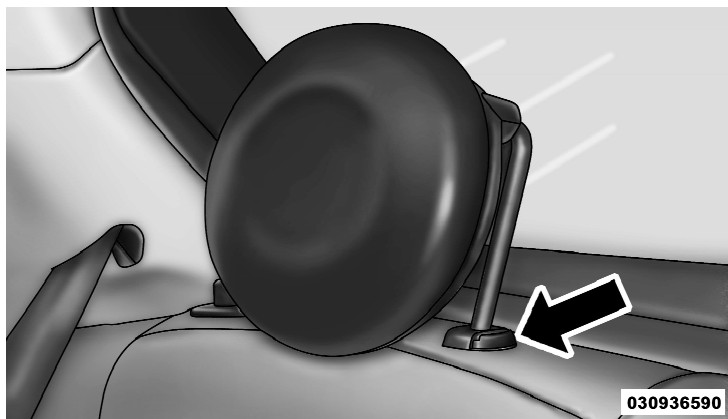
NOTE: The head restraints should only be removed by qualified technicians, for service purposes only. If either of the head restraints require removal, see your authorized dealer.

WARNING!

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.

Rear Head Restraints

To raise the head restraint, pull upward on the head restraint. To lower the head restraint, press the push button, located at the base of the head restraint, and push downward on the head restraint. Refer to "Occupant Restraints" in "Things To Know Before Starting Your Vehicle" for information on tether routing.

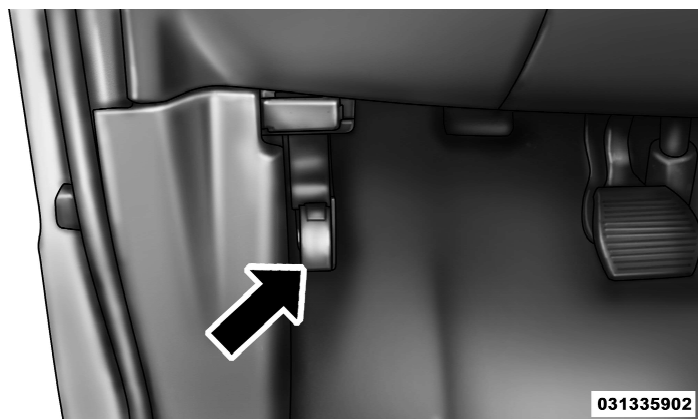


Rear Head Restraint

TO OPEN AND CLOSE THE HOOD

To open the hood, two latches must be released.

1. Pull the bottom of the RED hood release lever, located on the left kick panel, rearward.



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Hood Release Lever

2. Rotate the safety catch under the front edge of the hood, near the center, and raise the hood.



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Safety Latch Location

Lift the hood prop rod that clips to the right side (left side when standing in front of the hood) of the engine compartment. Place the hood prop rod in the hole of hood hinge to secure the hood in the open position.

In hot climates, the prop rod may be hot. Pick up the prop rod at the foam on the end of the prop rod.

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. Lower the hood until it is open approximately 8 in (20 cm) and then drop it. This should secure both latches. Never drive your vehicle unless the hood is fully closed, with both latches engaged.

LIGHTS

Multifunction Lever

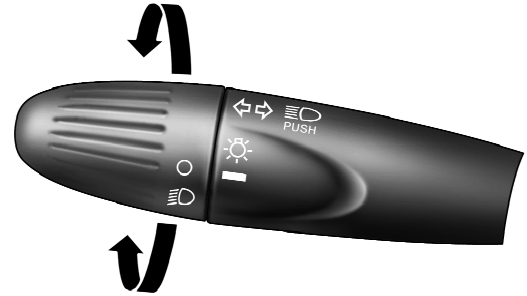
The multifunction lever, located on the left side of the steering wheel, controls the operation of the headlights, headlight beam selection, passing light and turn signals.

NOTE: The external lights can only be turned on with the ignition in the ON/RUN position.

Headlights



Rotate the end of the multifunction lever upward to the first detent for headlight operation.



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Headlight Operation

NOTE: When the headlights are turned on, the Daytime Running Lights will be deactivated.

High Beams



With the low beams activated, push the multifunction lever towards the instrument panel to turn on the high beams. Pull the multifunction lever toward the steering wheel to turn off the high beams.

Flash-To-Pass

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

Parking Lights



To turn on the parking lights, remove the key or turn the ignition to OFF/LOCK position and turn on the headlights.

Daytime Running Lights — If Equipped

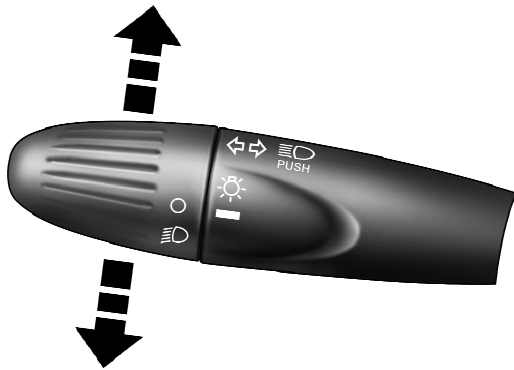
To activate the Daytime Running Lights (DRL), rotate the end of the multifunction lever to the **O** symbol.

NOTE: The low beams and side/taillights will not be on with DRL.

The DRL function can be turned on or off using the display menus. Refer to “Electronic Vehicle Information Center (EVIC)” in “Understanding Your Instrument Panel” for further information.

Turn Signals

Push the multifunction lever upward to signal a right turn or downward to signal a left turn. The corresponding indicator in the instrument cluster will blink to indicate the operation of the turn signal.



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Turn Signal Operation

NOTE: The indicators will automatically turn off when the turn has been completed and the steering wheel is returned to a straight position.

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.

Follow Me Home/Headlight Delay

When this feature is selected the driver can choose to have the headlights remain on for a preset period of time.

Activation

Remove the key or turn the ignition to the OFF/LOCK position, and pull the multifunction lever toward the steering wheel, within two minutes. Each time the lever is pulled, the activation of the lights will be extended by 30 seconds. The activation of the lights can be extended to a maximum of 210 seconds.

Deactivation

Pull the multifunction lever toward the steering wheel and hold it for more than two seconds.

Interior Lights

The map/reading light can be set to three different positions:

- Press the switch to the right; the light is always on
- Press the switch to the left; the light is always off
- Center position, or neutral; the lights are turned on and off when the doors are opened or closed.

NOTE: On some models only the drivers door will turn the interior lights on and off.

CAUTION!

Before getting out of the vehicle be sure that the switch is in the center position or that the lights are off. Make sure that the interior lights are off when the doors are closed to avoid draining the battery.

Interior Light Timing (Center Position)

There are three different modes of operation that can be activated in this position:

- When one door is opened, a three minute timer is activated.
- When the key is removed from the ignition (within two minutes of being turned off), a 10 second timer is activated.
- When the doors are unlocked (either with the Key Fob or with the key in the driver's door), a 10 second timer is activated.

Interior Light Timing (Off Position)

There are two modes of operation in this position:

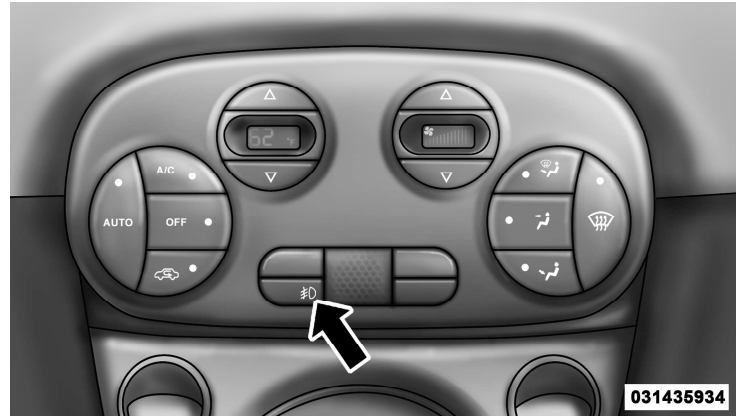
- When all doors are closed, a three minute timer is activated.

NOTE: The timer is deactivated when the key is moved into the ON/RUN position.

- When the doors are locked (either with the Key Fob or with the key in the driver's door), the lights will turn off.

Front Fog Lights — If Equipped

The fog light switch is located on the center stack of the instrument panel, just below the radio.



Fog Light Switch

Press the switch once to turn the front fog lights on. Press the switch a second time to turn the front fog lights off.

WINDSHIELD WIPERS AND WASHERS

The windshield wiper/washer lever is located on the right side of the steering column.

NOTE: The windshield wipers/washers will only operate with the ignition in the ON/RUN position.

Front Windshield Wiper Operation

There are five different modes of operation for the front windshield wipers. The windshield wiper lever can be raised or lowered to access these modes:



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Windshield Wiper Operation

CAUTION!

- Turn the windshield wipers off when driving through an automatic car wash. Damage to the windshield wipers may result if the wiper control is left in any position other than off.
- In cold weather, always turn off the wiper switch and allow the wipers to return to the "Park" position before turning off the engine. If the wiper switch is left on and the wipers freeze to the windshield, damage to the wiper motor may occur when the vehicle is restarted.
- Always remove any buildup of snow that prevents the windshield wiper blades from returning to the off position. If the windshield wiper control is turned off and the blades cannot return to the off position, damage to the wiper motor may occur.

Windshield Wiper Off

This is the normal position of the wiper lever.

Intermittent Wiper Operation

Push the lever downward to the first detent. The wipers will operate intermittently.

NOTE: The Intermittent function only has one detent but wiper delay will vary with changes in vehicle speed. As vehicle speed increases the delay time will decrease.

Low Speed

Push the lever downward to the second detent. The wipers will operate at low speed.

High Speed

Push the lever downward to the third detent. The wipers will operate at high speed.

Manual High Speed/Mist

Push the lever upward from the off position. The wipers will operate at high speed to clear off road mist or spray

from a passing vehicle. This operation will continue until the lever is released. When the lever is released, the wipers will return to the off position and automatically shut off.

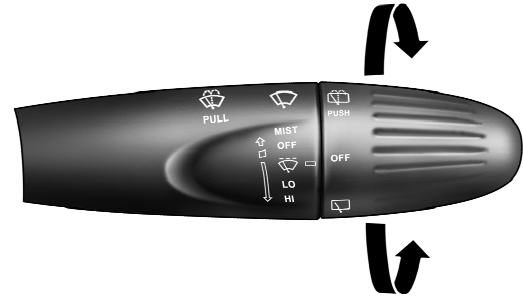
Front Windshield Washer Operation

Pull the windshield wiper/washer lever toward the steering wheel to activate the washers and a single wipe of the windshield. Pull and hold the lever for more than a half second and the wipers will activate automatically for three cycles after the lever is released.

Rear Windshield Wiper

Rotate the end of the windshield wiper/washer lever upward to the first detent past the intermittent settings for intermittent wipe operation. With the front windshield wiper active, rotate the end of the windshield wiper/washer lever upward. The rear wiper will operate in the same mode as the front windshield wipers, but at half the frequency. When the transmission is shifted into

REVERSE, the rear wiper will automatically operate at Low Speed and return to normal operation when the transmission is shifted out of REVERSE.



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Rear Wiper Operation

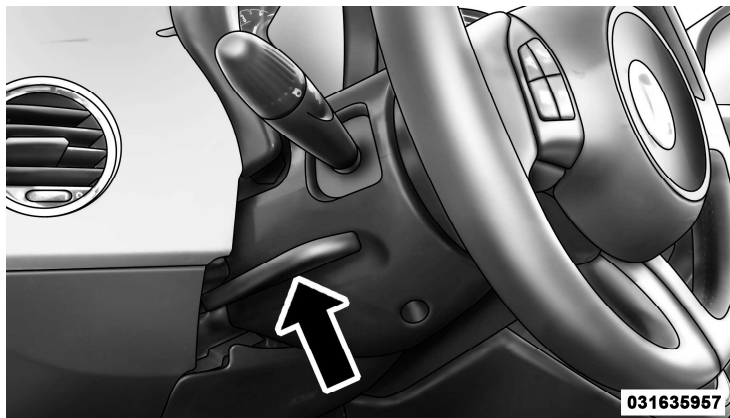
NOTE: The windshield wipers/washers will only operate with the ignition in the ON position.

Rear Windshield Washer Operation

Push the windshield wiper/washer lever toward the instrument panel to activate the rear washer and a single wipe of the rear window. Push and hold the lever for more than a half second and the wipers will activate automatically for three cycles after the lever is released.

TILT STEERING COLUMN — IF EQUIPPED

This feature allows you to tilt the steering column upward or downward. The tilt control lever is located on the left-side of the steering column, below the turn signal controls.



Tilt Control Lever

Push down on the lever to unlock the column. With one hand firmly on the steering wheel, move the steering column up or down as desired. Push the lever up to lock the column firmly in place.

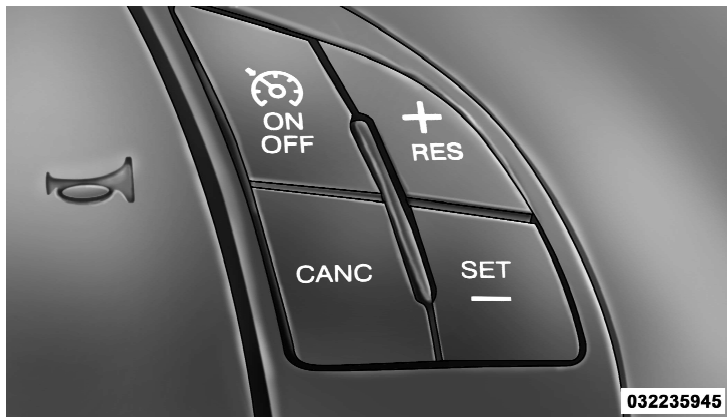
WARNING!

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. Be sure the steering column is locked before driving your vehicle. Failure to follow this warning may result in serious injury or death.

ELECTRONIC SPEED CONTROL

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.



Speed Control Buttons

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. The Cruise Indicator light in the instrument cluster will illuminate. To turn the system off, push the ON/OFF button a second time. The Cruise Indicator light will turn 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, press the SET (-) button and release. Release the accelerator and the vehicle will operate at the selected speed.

NOTE: The vehicle should be traveling at a steady speed and on level ground before pressing the SET button.

To Deactivate

A soft tap on the brake pedal, pushing the CANC button, or normal brake pressure while slowing the vehicle will deactivate Electronic Speed Control without erasing the set speed memory. Pressing the ON/OFF button or turning the ignition switch OFF erases the set speed 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

When the Electronic Speed Control is set, you can increase speed by pushing the RES (+) button. If the button is continually pressed, the set speed will continue to increase until the button is released, then the new set speed will be established.

Pressing the RES (+) button once will result in a 1 mph (2 km/h) increase in set speed. Each subsequent tap of the button results in an increase of 1 mph (2 km/h).

To decrease speed while the Electronic Speed Control is set, push the SET (-) button. If the button is continually held in the SET (-) position, the set speed will continue to decrease until the button is released. Release the button when the desired speed is reached, and the new set speed will be established.

Pressing the SET (-) button once will result in a 1 mph (2 km/h) decrease in set speed. Each subsequent tap of the button results in a decrease of 1 mph (2 km/h).

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.

REAR PARK ASSIST — IF EQUIPPED

The Rear Park Assist system provides an audible indication of the distance between the rear fascia/bumper and a detected obstacle when backing up, e.g. during a parking maneuver. Refer to the “Park Assist System Usage Precautions” for the limitations of this system and recommendations.

Rear Park Assist is automatically activated when the transmission is placed into REVERSE. As the distance from an obstacle behind the vehicle decreases, the audible alert becomes more frequent.

Rear Park Assist Sensors

The four Rear Park Assist 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, in the horizontal direction, from approximately 12 in (30 cm) up to 55 in (140 cm) from the center of the rear fascia/bumper and up to 24 in (60 cm) from the

corners of the rear fascia/bumper, depending on the location, type and orientation of the obstacle.

If several obstacles are detected, the rear park assist system indicates the nearest obstacle.

The minimum height of a detectable obstacle corresponds to the maximum height of an obstacle that would clear the underside of the car during the parking maneuver.

Rear Park Assist Alerts

If an obstacle is behind the vehicle when REVERSE gear is engaged, an audible alert is activated.

The tones emitted by the loudspeaker inform the driver that the vehicle is approaching an obstacle. The pauses between the tones are directly proportional to the distance from the obstacle. Pulses emitted in quick succession indicate the presence of a very close obstacle. A continuous tone indicates that the obstacle is less than 12 in (30 cm) away.

Audible And Visual Signals Supplied By The Rear Park Assist System.

SIGNAL	MEANING	INDICATION
Obstacle Distance	An obstacle is present within the system field of view	Audible signal (dashboard loudspeaker) <ul style="list-style-type: none"> • Sound pulses emitted at a rate that increase as the distance decreases. • Emits continuous tone at 12 in (30 cm) • Adjustable volume level. (Refer to “Menu Functions” for further information).
Failure	Sensor or System failures	Visual Signal (instrument panel) <ul style="list-style-type: none"> • Icon appears on display. • Message is displayed on multi-function display (where provided).

While audible signals are emitted, the audio system is not muted.

The audible signal is cut out immediately if the distance increases. The tone cycle remains constant if the distance measured by the inner sensors is constant. If this condition occurs for the external sensors, the signal is cut off after 3 seconds (stopping warnings during maneuvers parallel to walls).

Failure Indications

A malfunction of the Rear Park Assist sensors or system is indicated, during REVERSE gear engagement, by the instrument panel warning icon.



The warning icon is illuminated and a message is displayed on the multifunction display (if equipped). Refer to “Instrument Cluster Descriptions” in “Understanding Your Instrument Panel” for further information.

The sensors and wiring are tested continuously when the ignition is in the ON/RUN position. Failures are indicated immediately if they occur when the system is ON.

Even if the system is able to identify that a specific sensor is in failure condition, the instrument cluster display shall indicate that the rear park assist system is unavailable, without reference to the sensor in failure condition. If even a single sensor fails, the entire system must be disabled. The system is turned off automatically.

Cleaning The Rear Park Assist System

Clean the Rear Park Assist sensors with water, car wash soap and a soft cloth. Do not use rough or hard cloths. In washing stations, clean sensors quickly keeping the vapor jet/high pressure washing nozzles at least 4 in (10 cm) from the sensors. Do not scratch or poke the sensors. Otherwise, you could damage the sensors.

Park Assist System Usage Precautions

NOTE:

- Ensure that the rear bumper is free of snow, ice, mud, dirt and debris to keep the Rear Park Assist system operating properly.
- Jackhammers, large trucks, and other vibrations could affect the performance of Rear Park Assist.
- Clean the Rear Park Assist 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 Rear Park Assist 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.
- Objects such as bicycle carriers, etc., must not be placed within 12 in (30 cm) from the rear fascia/

bumper while driving the vehicle. Failure to do so can result in the system misinterpreting a close object as a sensor problem, causing a failure indication to be displayed in the instrument cluster.

CAUTION!

- **Rear Park Assist 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 Rear Park Assist 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 Rear Park Assist.**

WARNING!

- Drivers must be careful when backing up even when using the Rear Park Assist system. 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.

(Continued)

WARNING! (Continued)

- Before using the Rear Park Assist System, 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 warning display turns on the single flashing arc and 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.

POWER SUNROOF — IF EQUIPPED

The power sunroof roof switch is located in the overhead console.



Power Sunroof Switch

WARNING!

- Never leave children in a vehicle with the key in the ignition switch. 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 properly secured too.
- 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.

To Open

Press the power sunroof switch rearward and the sunroof will stop at the vented position. Press the switch a second time and release and the sunroof will open fully, then stop automatically. This is called "Express Open". During Express Open operation, any movement of the sunroof switch will stop the sunroof.

To Close

With the sunroof in the full open position, press the sunroof button and the sunroof will return to the vented position. Press the switch a second time to completely close the sunroof.

Pinch Protect Override

If a known obstruction (ice, debris, etc.) prevents the sunroof from closing, press the switch forward and hold for two seconds after the reversal occurs. This allows the sunroof to move toward the closed position.

NOTE: Pinch protection is disabled while the switch is pressed.

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.

Sun Shade — If Equipped

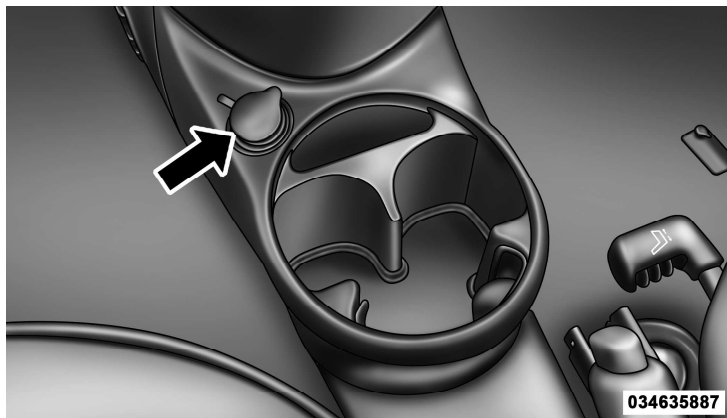
For vehicles equipped with either a power sunroof or a fixed glass roof, there is a sun shade that can be open or closed. To open the sun shade press the tab and move the shade to a full open position.



Manual Sun Shade

ELECTRICAL POWER OUTLETS

There is a standard 12 Volt (13 Amp) power outlet, located in the floor console, for added convenience. This power outlet can power mobile phones, electronics and other low power devices.

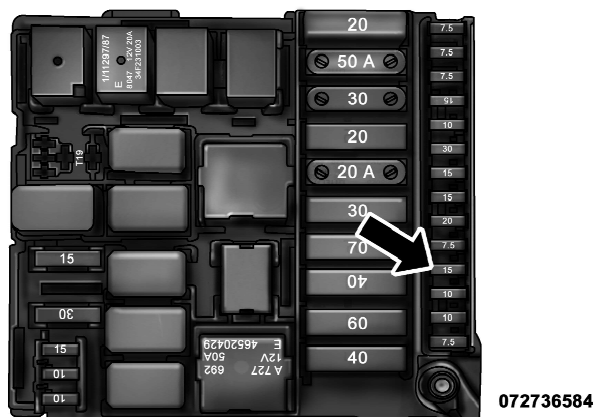


Power Outlet

Power is available when the ignition switch is in the ON/RUN or START position. Insert the cigar lighter or accessory plug into the outlet for use. To preserve the heating element, do not hold the lighter in the heating position.

CAUTION!

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



Power Outlet Fuse Location Underhood

F15 Fuse 15 A Blue Cigar Lighter Front Console

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!

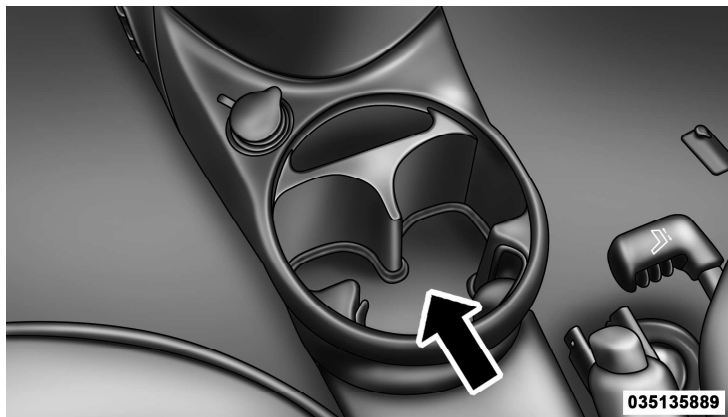
- Many accessories that can be plugged in draw power from the vehicle's battery, even when not in use (i.e., cellular phones, etc.). Eventually, if plugged in long enough, the vehicle's battery will discharge sufficiently to degrade battery life and/or prevent the engine from starting.
- Accessories that draw higher power (i.e., coolers, vacuum cleaners, lights, etc.) will degrade the battery even more quickly. Only use these intermittently and with great 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.

CIGAR LIGHTER — IF EQUIPPED**WARNING!**

When the cigar lighter is in use it becomes very hot. To avoid serious injury, handle the cigar lighter with care. Always check that the cigar lighter has turned off.

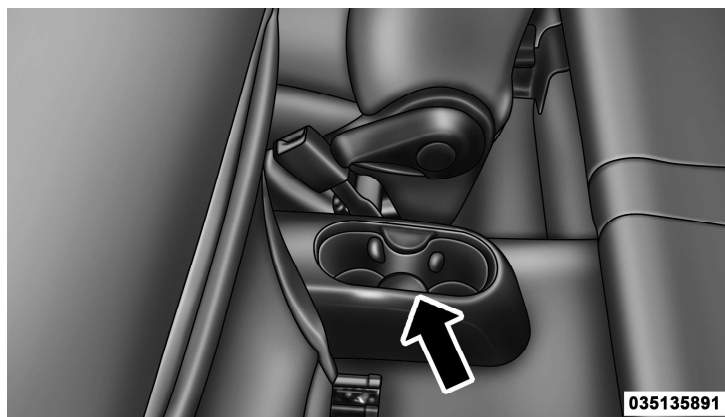
CUPHOLDERS

For the driver and front passenger, cupholders are located on the floor console between the front seats.



Front Cupholders

For rear passengers, there are cupholders located on the floor between the front driver and passenger seats.

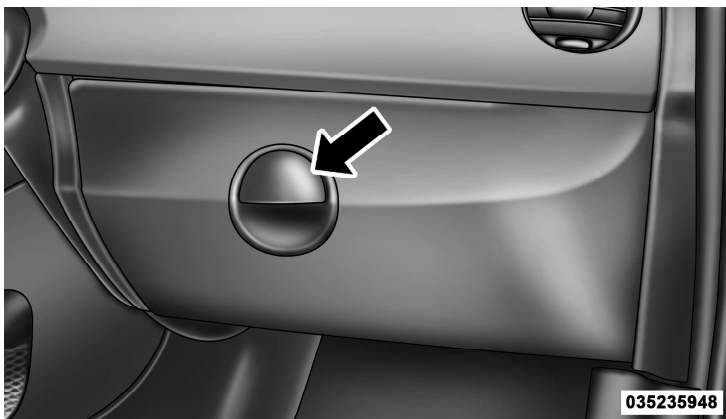


Rear Cupholders

STORAGE

Glove Box Compartment

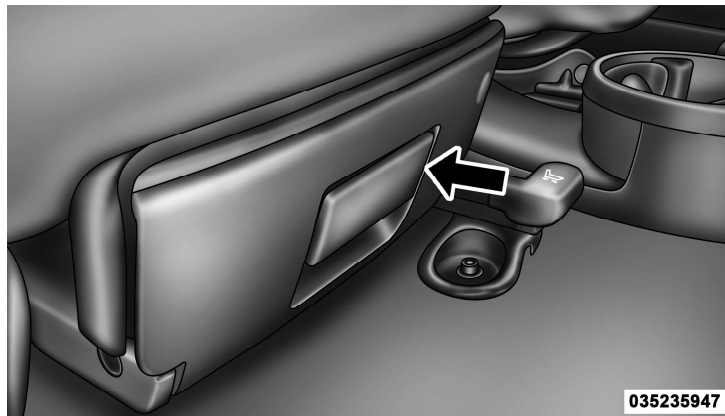
The glove box is located on the right side of the instrument panel. Pull outward on the door latch to open the glove box. Push the glove box door upward to close it.



Glove Box Compartment

Passenger Seat Storage — If Equipped

Some models may be equipped with storage under the front passenger seat. Pull outward on the latch to open the storage compartment.

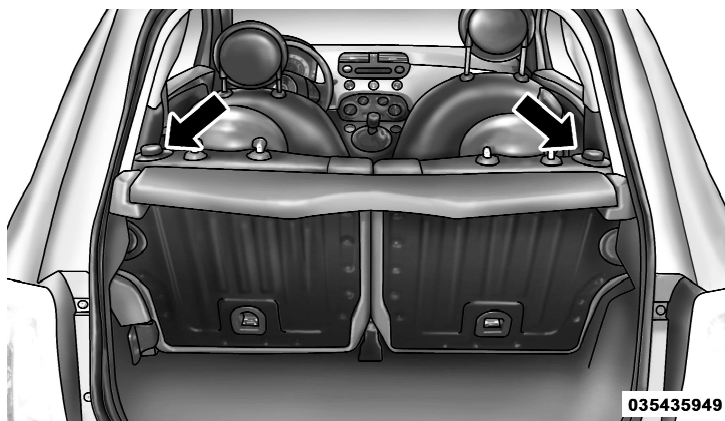


Passenger Seat Storage

CARGO AREA FEATURES

The rear seatbacks have a fold down feature to allow increased cargo capacity.

Push down the release button, located at the outboard top of the seatback and move the seatback to its folded-down position to provide a flat load floor cargo area. When returning the seatback to its upright position, push rearward until the seatback is properly latched.



Rear Seat Release Buttons



Folded Rear Seats

REAR WINDOW FEATURES

Rear Window Defroster



The rear window defroster button is located in the center of the instrument panel, below the radio. Press this button to turn on the rear window defroster. An indicator in the button will illuminate when the rear window defroster is on. The rear window defroster automatically turns off after approximately 20 minutes. To manually shut the defroster off, push the button a second time.

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

CAUTION!

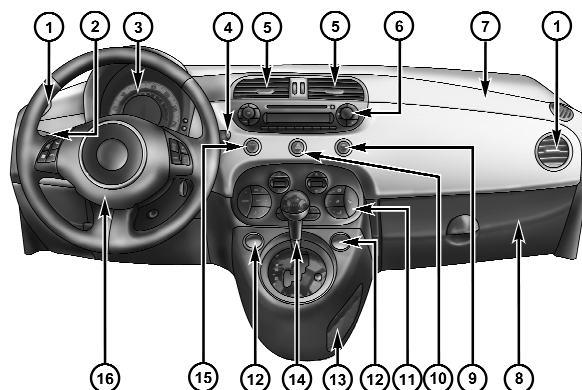
Failure to follow these cautions can cause damage to the heating elements:

(Continued)

CAUTION! (Continued)

- 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.

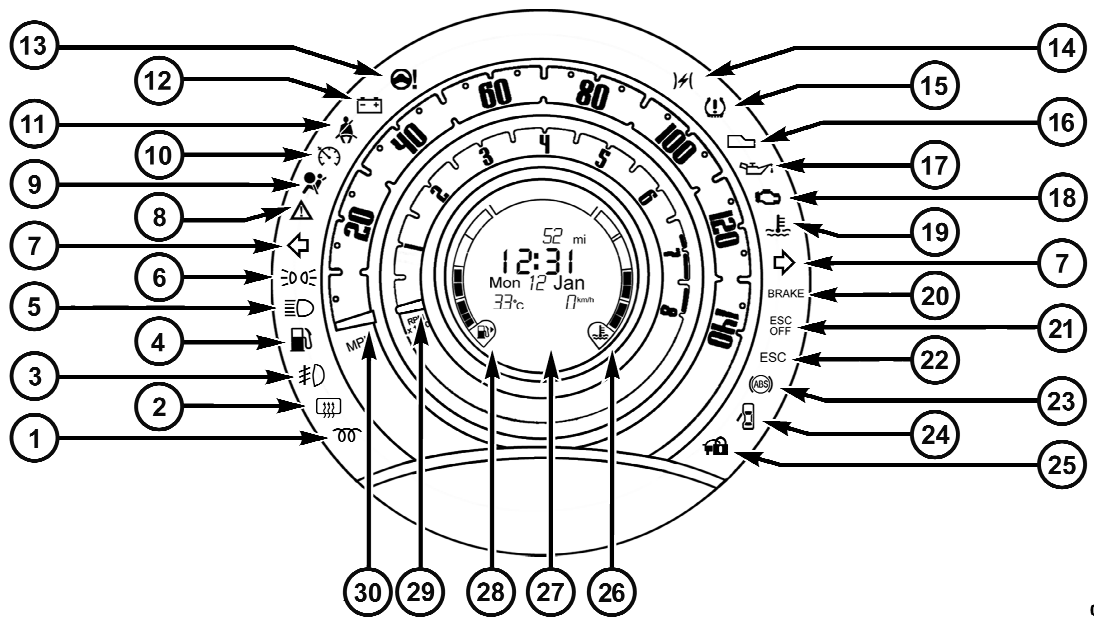
INSTRUMENT PANEL FEATURES



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- | | | |
|---|---|--------------------------|
| 1 — Side Vent | 7 — Passenger Air Bag | 13 — Storage Compartment |
| 2 — Multifunction Lever - Light Control | 8 — Glove Compartment | 14 — Shift Lever |
| 3 — Instrument Cluster And Warning Lights | 9 — Rear Defrost Button | 15 — Sport Button |
| 4 — Windshield Wiper, Washer, Trip Computer | 10 — Hazard Button | 16 — Horn/Driver Airbag |
| 5 — Central Air Vents | 11 — Climate Controls/Storage Compartment | |
| 6 — Storage Compartment/Radio | 12 — Power Windows Control | |


INSTRUMENT CLUSTER



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INSTRUMENT CLUSTER DESCRIPTIONS

1. Glow Plug Light — If Equipped

 The Glow Plug light will flash during engine oil viscosity sensor measurement in cold weather. During this measurement (up to 10 seconds), the starter will be disabled. If the measured oil viscosity is OK, the light will go out and the engine will be allowed to crank. If the measured oil viscosity is too high, engine cranking will be disabled and the light will blink repeatedly until the oil temperature is raised, preferably by an externally-powered electric engine block heater (available from your authorized dealer).

The message "Plug In Engine Heater", will be displayed in the instrument cluster when the ambient temperature is below 5°F (-15°C) at the time the engine is shut off as a reminder to avoid possible crank delays at the next cold start.

2. Rear Defrost Button

 Press and release this button to turn on the rear window defroster. This 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.

(Continued)


CAUTION! (Continued)

- Keep all objects a safe distance from the window.


3. Front Fog Light Indicator — If Equipped

 This indicator will illuminate when the front fog lights are on.


4. Low Fuel Light

 When the fuel level reaches approximately 1.0 gallon (3.8L) this light will turn on, and remain on until fuel is added.


5. High Beam Indicator

 This light indicates that the headlights are on high beam. Pull the turn signal lever toward the steering wheel to switch the headlights to low beam.


6. Position Light Indicator / Follow Me Home (Headlight Delay) Indicator — If Equipped

 This indicator will illuminate when the park lights or headlights are turned on. If the Follow Me Home feature is activated this indicator will illuminate and the EVIC will show how long the function remains active. For further information, refer to "Follow Me Home" in "Understanding The Features of Your Vehicle".

7. Turn Signal Indicators

 The arrows will flash in unison with the exterior turn signal, when using the turn signal lever.

8. Generic Warning Light

 The Generic Warning Light will illuminate if any of the following conditions occur: Engine Oil Pressure Sensor Failure, External Light Failure, Fuel Cut-Off Intervention, Fuel Cut-Off Not Available, Parking Sensor Failure.

9. Airbag Warning Light



This light will turn on for four seconds as a bulb check when the ignition switch is first turned to ON/RUN. If the light is either not on during starting, stays on, or turns on while driving, then have the system inspected at an authorized dealer as soon as possible. Refer to “Occupant Restraints” in “Things To Know Before Starting Your Vehicle” for further information.

10. Cruise Indicator — If Equipped



This indicator shows that the Speed Control system is ON.

11. Seat Belt Reminder Light



When the ignition switch is first turned to ON/RUN, this light will turn on if the driver’s seat belt is unbuckled, a chime will sound. When driving, if the driver’s seat belt remains unbuckled, the Seat Belt

Reminder Light will illuminate and the chime will sound. Refer to “Occupant Restraints” in “Things To Know Before Starting Your Vehicle” for further information.

12. Charging System Light



This light shows the status of the electrical charging system. The light should come on when the ignition switch is first turned to ON/RUN and remain on briefly as a bulb check. If the light stays on or comes on while driving, turn off some of the vehicle’s non-essential electrical devices or increase engine speed (if at idle). If the charging system light remains on, it means that the vehicle is experiencing a problem with the charging system. Obtain SERVICE IMMEDIATELY. See an authorized dealer.

If jump starting is required, refer to “Jump Starting Procedures” in “What To Do In Emergencies”.

13. Power Steering System Warning



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.

14. Electronic Throttle Control (ETC) Light



This light informs you of a problem with the Electronic Throttle Control (ETC) system. If a problem is detected, the light will come on while the engine is running. Cycle the ignition key when the vehicle has completely stopped and the shift lever is placed in the NEUTRAL position. The light should turn off. If the light remains lit with the engine running, your vehicle will usually be drivable; however, see an authorized dealer for service as soon as possible. If the light is flashing 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.

15. Tire Pressure Monitoring Telltale Light



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, and/or style. Aftermarket wheels can cause sensor damage. Do not use tire sealant from a can, or balance beads if your vehicle is equipped with a TPMS, as damage to the sensors may result.

16. Automatic Gearbox Failure



This light will illuminate when there is an automatic transmission fault.

17. Oil Pressure Warning Light



This light indicates low engine oil pressure. The light should turn on momentarily when the engine is started. If the light turns on while driving, stop the vehicle and shut off the engine as soon as possible. A chime will sound for four minutes 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.

18. Malfunction Indicator Light (MIL)



The Malfunction Indicator Light (MIL) is part of an onboard diagnostic system, called OBD, that monitors engine and automatic transmission control systems. The light will illuminate when the key is in the ON/RUN position, before engine start. If the bulb does not come on when turning the key from OFF/LOCK to ON/RUN, have the condition checked promptly.

Certain conditions such as a loose or missing gas cap, poor fuel quality, etc., may illuminate the MIL after engine start. The vehicle should be serviced if the light stays on through several of your typical driving cycles. In most situations, the vehicle will drive normally and will not require towing.

CAUTION!

Prolonged driving with the MIL on could cause damage to the engine control system. It also could affect fuel economy and drivability. If the MIL is flashing, severe catalytic converter damage and power loss will soon occur. Immediate service is required.

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 or wood or cardboard, etc. This could result in death or serious injury to the driver, occupants or others.

19. Engine Temperature Warning Light



This light warns of an overheated engine condition. The engine coolant temperature indicator will illuminate and a single chime will sound after reaching a set threshold.

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.

20. Brake Warning Light

BRAKE 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 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.

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/LOCK 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.

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

ESC OFF This light indicates the Electronic Stability Control system (ESC) has been turned off by the driver.

22. *Electronic Stability Control (ESC) Activation / Malfunction Indicator Light — If Equipped*

ESC The “ESC Activation/Malfunction Indicator Light” in the instrument cluster will come on for four seconds when the ignition switch is turned to the ON/RUN position. 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, see your authorized dealer as soon as possible to have the problem diagnosed and corrected.

NOTE:

- The “ESC Off Indicator Light” and the “ESC Activation/Malfunction Indicator Light” come on momentarily each time the ignition switch is turned to ON/RUN.
- Each time the ignition is turned to ON/RUN, the ESC system will be ON even if it was turned off previously.

23. *Anti-Lock Brake (ABS) Light*



This light monitors the Anti-Lock Brake System (ABS). The light will turn on when the ignition switch is turned to 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, 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 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 switch is turned to the ON/RUN position, have the light inspected by an authorized dealer.

24. *Door Ajar*



This light will turn on to indicate that one or more door or the trunk may be ajar.

25. *Vehicle Security 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.

26. Temperature Gauge

The temperature digital scale 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, up mountain grades, or when towing a trailer. 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 all the segments of temperature gauge are lit 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 you hear continuous chimes, turn the engine off immediately, and call an authorized dealership 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 dealership 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.

27. Odometer / Trip Odometer / Electronic Vehicle Information Center (EVIC) Display Area

This display indicates the total distance the vehicle has been driven.

NOTE:

- U.S. Federal regulations require that upon transfer of vehicle ownership, the seller certify to the purchaser the correct mileage that the vehicle has been driven. If your odometer needs to be repaired or serviced, the repair

technician should leave the odometer reading the same as it was before the repair or service. If s/he cannot do so, then the odometer must be set at zero, and a sticker must be placed in the door jamb stating what the mileage was before the repair or service. It is a good idea for you to make a record of the odometer reading before the repair/service, so that you can be sure that it is properly reset, or that the door jamb sticker is accurate if the odometer must be reset at zero.

- If the vehicle is equipped with the optional Electronic Vehicle Information Center (EVIC) in the instrument cluster, all warnings including "door" and "gate" and "Change Engine Oil" will only be displayed in the EVIC display. For additional information, refer to "Electronic Vehicle Information Center (EVIC) — If Equipped".

When the appropriate conditions exist, this display shows the EVIC messages.

Refer to the Electronic Vehicle Information Center (EVIC) for further information.

28. Fuel Gauge / Fuel Door Reminder

The fuel door reminder indicates that the fuel filler door is located on the right side of the vehicle. When the ignition switch is in the ON/RUN position, the digital scale will show the level of fuel remaining in the fuel tank.

NOTE: The fuel gauge and range will not immediately update accurately when refueling with the engine on.

29. Tachometer

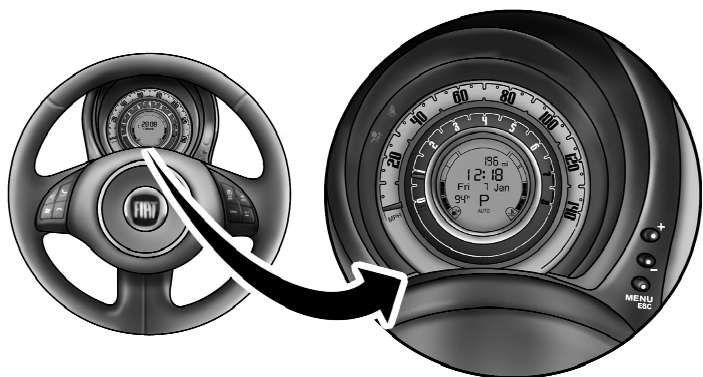
The white area of the scale shows the permissible engine revolutions-per-minute (RPM x 1000) for each gear range. Before reaching the red area, ease up on the accelerator to prevent engine damage.

30. Speedometer

The Speedometer shows the vehicle speed in miles per hour and/or kilometers per hour (mph/kph).

ELECTRONIC VEHICLE INFORMATION CENTER (EVIC)

The Electronic Vehicle Information Center (EVIC) features a driver-interactive display that is located in the instrument cluster.



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Electronic Vehicle Information Center (EVIC) Display

The EVIC consists of the following:

- System Status
- Vehicle Information Warning Message Displays
- Personal Settings (Customer-Programmable Features)
- Outside Temperature Display
- Trip Computer Functions

EVIC Control Buttons

Press the **MENU ESC** button briefly to access the menu and/or go to next screen or to confirm the required menu option. Press and hold the **MENU ESC** button (approximately one seconds) to return to the main screen.

Press the **+** button to scroll upward through the displayed menu and the related options or to increase the displayed value.

Press the **-** button to scroll downward through the displayed menu and the related options or to decrease the value displayed.

NOTE: Buttons **+** and **-** activate different functions according to the following situations:

- To scroll the menu options upwards and downwards;
- To increase or decrease values during settings.

NOTE: When opening one of the front doors, the EVIC display will turn on for a few seconds the clock and the km or mi covered (for versions/markets, where provided).

Electronic Vehicle Information Center (EVIC) Setup Menu

The menu comprises a series of functions arranged in a cycle which can be selected by pressing the **+** and **-** buttons to access the different options and settings (setup).

The setup menu can be activated by pressing the **MENU ESC** button. Single presses on buttons **+** or **-** will scroll through the setup menu options. The menu includes the following functions:

- Speed Beep
- Trip B Data
- Set Time
- Set Date
- See Radio
- Speed Display
- Autoclose
- Units
- Language
- Buzzer Volume

- Button Volume
- Hill Start
- Daylights (D.R.L.)
- Exit Menu

Selecting An Option Of The Main Menu Without Submenu:

- Briefly press the **MENU ESC** button to select the main menu option to set;
- Press the + or – button (by single presses) to select the new setting;
- Briefly press the **MENU ESC** button to store the new setting and go back to the main menu option previously selected.

Selecting An Option Of The Main Menu With Submenu:

- Briefly press the **MENU ESC** button to display the first submenu option;
- Press the + or – button (by single presses) to scroll all the submenu options;
- Briefly press the **MENU ESC** button to select the displayed submenu option and to open the relevant setup menu;
- Press the + or – button (by single presses) to select the new setting for this submenu option;
- Briefly press the **MENU ESC** button to store the new setting and to go back to the previously selected submenu option.

- Press and hold the **MENU ESC** button to return to the main menu (short hold) or the main screen (longer hold).

Change Engine Oil Indicator System

Change Engine Oil

Your vehicle is equipped with an engine oil change indicator system. The “Change Engine Oil” message will flash in the EVIC display for approximately 10 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 turn the ignition switch to the ON/RUN position. To turn off the message temporarily, press and

release the MENU/ESC button. To reset the oil change indicator system (after performing the scheduled maintenance) refer to the following procedure.

1. Turn the ignition switch to the ON position (Do not start the engine).
2. Fully depress the accelerator pedal, slowly, three times within 10 seconds.
3. Turn the ignition switch 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.

Trip Computer

The Trip Computer is located in the instrument cluster. It features a driver-interactive display (displays information such as and trip information, range, fuel consumption, average speed and travel time).

Trip Functions

Both trip functions are resettable (reset — start of new trip).

“Trip A” can be used to display the figures relating to:

- Trip distance A
- Average consumption
- Instant consumption A
- Average speed A
- Travel time A (driving time).

“Trip B” can be used to display the figures relating to:

1. Trip distance B
2. Instant consumption B
3. Average speed B
4. Travel time B (driving time).

NOTE: “Trip B” functions may be excluded (see “Trip B on”). “Range” and “Instantaneous consumption” cannot be reset.

Values Displayed

Range

This indicates the distance which may be travelled with the fuel in the tank assuming that driving conditions will not change. The message “----” will appear on the display in the following cases:

- Value lower than 30 miles (or 50 km)
- The car is parked with the engine running for a long time.

NOTE: The range depends on several factors: driving style, type of route (freeway, residential, mountain roads, etc...), conditions of use of the car (load, tire pressure, etc...). Trip planning must take into account the above notes.

Distance Travelled

This value shows the distance covered since the last reset

Average Consumption

This value shows the approximate average consumption since the last reset.

Instant Consumption

This indicates the fuel consumption. The value is constantly updated. The message “----” will appear on the display if the car is parked with the engine running.

Average Speed

This value shows the car average speed as a function of the overall time elapsed since the last reset

Travel Time

This value shows the time elapsed since the last reset.

Trip Button

The Trip button is located on the right steering column stalk, can be used to display and to reset the previously described values:

- Short button press to display the different values;
- Long button press to reset and then start a new trip.

New Trip

Reset can be:

- “Manual” resetting by the user, by pressing the relevant button;
- “Automatic” resetting, when the “Trip distance” reaches 9999.9 miles or when the “Travel time” reaches 99.59 (99 hours and 59 minutes);
- After disconnecting/reconnecting the battery.

NOTE:

- The reset operation in the presence of the screens

concerning the “Trip A” makes it possible to reset only the information associated with this function.

- The reset operation in the presence of the screens concerning the “Trip B” makes it possible to reset only the information associated with this function.

Start Of Trip Procedure

With ignition key on, press and hold the TRIP button for over one seconds to reset.

Exit Trip

The **TRIP** function is over when all the values have been displayed or holding the MENU ESC button for longer than one second.

Personal Settings (Customer-Programmable Features)

Dimmer

The EVIC display is provided with a light sensor capable of detecting environmental light conditions and adjusting the brightness of the instruments accordingly.

NOTE: The brightness of the instrument panel may change while travelling following an event causing switching from “day” to “night” conditions (or vice versa) in the passenger compartment (e.g. in a tunnel, on avenues in shadows, under bridges, etc.).

To adjust the brightness, proceed as follows:

- Press the + or – button to set the required brightness level;

- Briefly press the **MENU ESC** button to go back to the menu screen or press and hold the **MENU ESC** (approximately one seconds) to go back to the main screen without storing settings.

Speed Beep (Speed Limit)

With this function it is possible to set the car speed limit (mph or km/h); when this limit is exceeded the driver is immediately alerted.

To set the speed limit, proceed as follows:

- Briefly press the **MENU ESC** button, the display will show the message (Speed Beep);
- Press the + or – button to select speed limit activation (On) or deactivation (Off);
- When the function is activated (On) pressing the + or – buttons select the speed limit and press **MENU ESC** to confirm selection.

NOTE: Selection is possible between 20 and 125 mph (30 and 200 km/h), or depending on the selected unit. The setting will increase/decrease by five units each time the +/- button is pressed. Press and hold the +/- button to increase/decrease the setting rapidly. Complete the setting by briefly pressing the button when you approach the required setting.

- Briefly press the **MENU ESC** button to go back to the menu screen or press and hold the **MENU ESC** button (approximately one seconds) to go back to the main screen without storing settings.

To cancel the setting, proceed as follows:

- Briefly press the **MENU ESC** button (On) will flash on the display;
- Press the – button (Off) will flash on the display;

- Briefly press the **MENU ESC** button to go back to the menu screen or press and hold the **MENU ESC** button (approximately one seconds) to go back to the main screen without storing settings.

Trip B Data (Trip B On)

Through this option it is possible to activate (On) or deactivate (Off) the Trip B (partial trip) display.

For further information see "Trip Computer".

For activation / deactivation, proceed as follows:

- Briefly press the **MENU ESC** button (On) or (Off) will flash on the display (according to previous setting);
- Press the + or – button for setting;
- Briefly press the **MENU ESC** button to go back to the menu screen or press and hold the **MENU ESC** button (approximately one seconds) to go back to the main screen without storing settings.

Set Time (Clock)

This function may be used to set the clock through two sub-menu items: "Time" and "Mode".

Proceed as follows:

- Briefly press the **MENU ESC** button, the display will show the two sub-menu items "Time" and "Mode";
- Press the + or – button to navigate the two sub-menu items;
- Select the required option and then press the **MENU ESC** button;
- When accessing the "Time" sub-menu item: briefly press the **MENU ESC** button, "hours" will flash on the display;
- Press the + or – button for setting;
- Briefly press the **MENU ESC** button, "minutes" will flash on the display;

- Press the + or – button for setting.

NOTE:

- The setting will increase or decrease by one unit each time the + or – button is pressed. Press and hold the button to increase/decrease the setting rapidly. Complete the setting by briefly pressing the button when you approach the required setting.
- Briefly press the **MENU ESC** button to return to the "Time" sub-function.
- When accessing the "Mode" submenu: briefly press the **MENU ESC** button, the previously set display format will flash on the display;
- Press the + or – button to select "24h" or "12h".

When you have made the required settings, briefly press the **MENU ESC** button to go back to the Time, Mode

sub-menu screen or press and hold the **MENU ESC** button (approximately one seconds) to go back to the main screen without storing settings.

- Press and hold the **MENU ESC** button to go back to the main screen or main menu (settings are stored).

Set Date

This function may be used to set the date (day - month - year).

To change the date proceed as follows:

- Briefly press the **MENU ESC** button "year" will flash on the display;
- Press the + or – button for setting;
- Briefly press the **MENU ESC** button "month" will flash on the display;
- Press the + or – button for setting;

- Briefly press the **MENU ESC** button “day” will flash on the display;
- Press the + or – button for setting.

NOTE: The setting will increase or decrease by one unit each time the + or – button is pressed. Press and hold the + or – button to increase/decrease the setting rapidly. Complete the setting by briefly pressing the button when you approach the required setting.

- Briefly press the **MENU ESC** button to go back to the menu screen or press and hold the **MENU ESC** button (approximately one seconds) to go back to the main screen without storing settings.

See Radio (Repeat Audio Information)

With this function active the EVIC display shows information relevant to the sound system.

- Radio: tuned radio station frequency, automatic tuning activation or AutoStore;

- CD audio, CD MP3: track number;

To activate (On) or to deactivate (Off) sound system info displaying proceed as follows:

- Briefly press the **MENU ESC** button (On) or (Off) will flash on the display (according to previous setting);
- Press the + or – button for setting;
- Briefly press the **MENU ESC** button to go back to the menu screen or press and hold the **MENU ESC** button (approximately one seconds) to go back to the main screen without storing settings.

If the radio has Blue&Me™, refer to the appropriate Blue&Me™ User’s Manual for further information.

Autoclose (Automatic Door Lock Operation With Car Running)

When activated (On), this function locks automatically the doors when the car speed exceeds 12 mph (20 km/h).

Proceed as follows to switch this function on or off:

- Briefly press the **MENU ESC** button (On) or (Off) will flash on the display (according to previous setting);
- Press the + or – button for setting;
- Briefly press the **MENU ESC** button to go back to the menu screen or press and hold the button (approximately one seconds) to go back to the main screen without storing settings.

Units (Set Units)

This function may be used to set the measurement unit in three submenus: “Distances”, “Fuel Economy” and “Temperature”.

To set the required unit proceed as follows:

- Briefly press the **MENU ESC** button to display the three sub-menus;

- Press the + or – button to navigate the three sub-menus;
- Select the required sub-menu and then briefly press the **MENU ESC** button;
- When accessing the “Distance” submenu: briefly press the **MENU ESC** button either “km” or “mi” will appear on the display (according to the previous setting);
- Press the + or – button for setting;
- Briefly press the **MENU ESC** button to return to the sub-menu;
- When accessing the “Fuel Economy” submenu: briefly press the **MENU ESC** button either “km/l ”, “l/100km” or “mpg” will appear on the display (according to the previous setting).

If the distance unit set is “mi” the fuel economy unit will be displayed in “mpg”.

If the distance unit set is “km” the fuel economy unit will be displayed in km/l or l/100km.

- Press the + or – button for setting;
- Briefly press the **MENU ESC** button to return to the sub-menu;
- When accessing the “Temperature” submenu: briefly press the **MENU ESC** button either “°C” or “°F” will appear on the display according to the previous setting;
- Press the + or – button for setting.

When you have made the required settings, briefly press the **MENU ESC** button to go back to the sub-menu screen

or press and hold the **MENU ESC** button (approximately one seconds) to go back to the main screen without storing settings.

- Press and hold the **MENU ESC** button to go back to the main screen or main menu.

Language (Selecting The Language)

The messages can be displayed in the following languages: Italian, English, German, Portuguese, Spanish, French, Dutch, Polish.

To set the required language proceed as follows:

- Briefly press the **MENU ESC** button, the previously set “language” will flash on the display;
- Press the + or – button for setting;

- Briefly press the **MENU ESC** button to go back to the menu screen or press and hold the **MENU ESC** button (approximately one seconds) to go back to the main screen without storing settings.

Buzzer Volume (Adjusting The Failure/Warning Buzzer Volume)

With this function the volume of the buzzer accompanying any failure/warning indication can be adjusted according to 8 levels.

To adjust the volume proceed as follows:

- Briefly press the **MENU ESC** button; the previously set volume “level” will flash on the display;
- Press the + or – button for setting;
- Briefly press the **MENU ESC** button to go back to the menu screen or press and hold the **MENU ESC** button (approximately one seconds) to go back to the main screen without storing settings.

Button Volume (Button Volume Adjustment)

This function may be used to adjust the volume of the beep accompanying the buttons **MENU ESC**, + or – can be adjusted according to 8 levels.

To adjust the volume proceed as follows:

- Briefly press the **MENU ESC** button; the previously set volume “level” will flash on the display;
- Press the + or – button for setting;
- Briefly press the **MENU ESC** button to go back to the menu screen or press and hold the **MENU ESC** button (approximately one seconds) to go back to the main screen without storing settings.

Belt Buzzer (Buzzer Activation For S.B.R. Indication)

This function will only be displayed after a FIAT Dealership has deactivated the S.B.R. system.

Hill Start Assist

This function is used when starting a vehicle from a stop on a hill by maintaining the same level of brake pressure the driver applied for a short period of time after the foot has been removed from the brake pedal.

Proceed as follows to switch this function on or off:

- Briefly press the **MENU ESC** button (On) or (Off) will flash on the display (according to previous setting);
- Press the + or – button for setting;
- Briefly press the **MENU ESC** button to go back to the menu screen or press and hold the button (approximately one seconds) to go back to the main screen without storing settings.

Daytime Running Lamps (D.R.L.)

This function may be used to activate / deactivate the Daytime Running Lamps.

Proceed as follows to switch this function on or off:

- Briefly press the **MENU ESC** button to display the three sub-menus;
- Briefly press the **MENU ESC** button (On) or (Off) will flash on the display (according to previous setting);
- Press the + or – button for setting;
- Briefly press the **MENU ESC** button to go back to the menu screen or press the button for long to go back to the main screen without storing settings;
- Press and hold the **MENU ESC** button to go back to the main screen or main menu.

Exit Menu

This function closes the initial menu screen.

Briefly press the **MENU ESC** button to go back to the main screen.

Press the – button to return to the first menu option (Speed Beep).

Press the + button to return to the last menu option (Daylights).

SALES CODE (RAB) RADIO



041135858

Introduction

The radio has been designed according to the specifications of the passenger compartment, with a personalized design perfectly meeting the style of the dashboard.

If the radio has Blue&Me™, refer to the appropriate Blue&Me™ User's Manual for further information.

The instructions for use are given below and we recommend you to read them carefully.

Suggestions

Road Safety

Please, learn how to use all different radio functions (e.g. store stations) before beginning to drive.

Reception Conditions

Reception conditions change constantly while driving. Reception may be interfered with by the presence of mountains, buildings or bridges, or when you are far away from the broadcaster.

WARNING!

High volume can be a risk for the driver and for other people in road traffic. Always adjust the volume so that you can still hear background noises.

Care And Maintenance

Clean the cover with a soft antistatic cloth only. Cleaning and polishing products could damage the surface.

CDs

The presence of dirt, scratches or distortions on the CDs could cause skipping while it is playing and poor sound quality. For optimal playback conditions, follow these guidelines:

- only use branded CDs;
- clean every CD thoroughly removing any fingermarks or dust using a soft cloth. Hold CDs by the outside and clean them from the middle outwards;
- never use chemicals (e.g. antistatics or thinners or sprays) for cleaning as they could damage the surface of the CDs;
- after listening to them place CDs back in their boxes to avoid them from being damaged;
- do not expose CDs to direct sunlight, high temperatures or moisture for long periods;
- do not stick labels on the CD surface or write on the recorded surface with pencils or pens;
- do not use CDs that are very scratched, flawed, distorted, etc. Using discs like these will result in malfunctions or damage to the player;
- the use of original CD media is required for the best quality audio production. Correct operation is not guaranteed when CD-R/RW media are used that were not correctly burned and/or with a maximum capacity above 650 Mb;
- do not use commercially available protective sheets for CDs or discs, with stabilizers, etc. as they could get stuck in the internal mechanism and damage the disc;
- if a copy-protected CD is used, it may take a few seconds before the system starts to play it. The CD

player cannot be guaranteed to play all protected discs. The fact that the CD is protected from being copied is often shown in very small letters or is difficult to read on the actual CD cover where it may be, for example, "COPY CONTROL", "COPY PROTECTED", "THIS CD CANNOT BE PLAYED ON A PC/MAC".

- the CD player is capable of reading most compression systems currently in use, following the development of these systems, the reading of all compression formats is not guaranteed.

Technical Specifications

The complete system consists of:

- two 165 mm diameter midwoofer speakers, one speaker in each of the front doors;
- two 22 mm diameter tweeter speakers, one speaker in each of the front pillars;


- two 100 mm diameter full range speakers, one speaker in each of the rear side panels;
- antenna on the car roof;
- radio with CD /MP3 player.



With Bose Premium audio system (if equipped):

- two 165 mm diameter midwoofer speakers;
- two 11 mm tweeter speakers in the front pillars;
- two 100 mm full range speakers, one speaker in each of the rear side panels;
- a subwoofer under the right front seat;
- an amplifier in the trunk on the right-hand side panel;
- antenna on the car roof;
- radio with CD MP3 player.

Quick Guide

Radio Controls

BUTTON	GENERAL FUNCTIONS	MODE
	On	Short button press
	Off	Long button press
TUNER	AM, FM, SAT (if equipped) source selection	Short repeated button press
A-B-C	Cycles A, B, C presets for AM, FM, SAT (if equipped)	Short repeated button press
MEDIA	CD/AUX/Media Player (if equipped and present) source selection	Short repeated button press

BUTTON	GENERAL FUNCTIONS	MODE
 (Mute/ Pause Button)	Volume activation/ deactivation (Mute/Pause)	Short button press
AUDIO	Audio adjustments: low tones (BASS), high tones (TREBLE), lh/rh balance (BALANCE), front/rear balance (FADER)	Menu activation: short button press Adjustment type selection: buttons Δ or ∇ press Adjustment of values: buttons \blacktriangleleft or \blacktriangleright
 (Information Button)	Song, Artist, Album, Genre, Playlist, Folder information (if	

	available) in CD, Media Player and Satellite (if so equipped) Toggles RDS information in FM	
MENU	Advanced functions adjustment	Menu activation: short button press Adjustment type selection: buttons Δ or ∇ press Adjustment of values: buttons \blacktriangleleft or \blacktriangleright
+Vol/-Vol	Volume adjustment	Button + press: volume increase Button - press: volume decrease

BUTTON	RADIO FUNCTIONS	MODE
\blacktriangleleft \blacktriangleright Δ ∇	Radio Station Search: <ul style="list-style-type: none"> • Automatic Search • Manual Search 	Automatic search: buttons \blacktriangleleft or \blacktriangleright press (long press for fast forward) Manual search: buttons Δ or ∇ press (long press for fast forward)
1 2 3 4 5	Current radio station storing	Long button press for memory preset 1 to 5 respectively
	Stored station recall	Short button press for memory preset 1 to 5 respectively

BUTTON	CD FUNCTIONS	MODE
\blacktriangleup	CD ejection	Short button press
\blacktriangleleft \blacktriangleright	Previous/next track play	Short button press \blacktriangleleft or \blacktriangleright
\blacktriangleleft \blacktriangleright	CD track fast forward/rewind	Long buttons \blacktriangleleft or \blacktriangleright
Δ ∇	Previous/next folder play (for CD-MP3)	Short button press Δ or ∇

General Information

The radio offers the following functions:

Radio Section

- PLL tuning with FM/AM/MW frequency bands;
- RDS (Radio Data System)

- automatic/manual station tuning;
- FM Multipath detector;
- manual storing of 25 stations (base radio) and 40 stations (if equipped with Satellite): 15 on FM band (5 on FMA, 5 on FMB, 5 on FMC), 10 on AM band (5 on AMA, 5 on AMB), 15 on Satellite Band - if equipped (5 on SATA, 5 on SATB, 5 on SATC);
- SPEED VOLUME function: Customer selectable automatic volume adjustment depending on the car speed;
- automatic Stereo/Mono selection.

CD Section

- Track selection (forward/backward);
- Fast forward/rewind through tracks;

- CD Display function: display of track number and on mp3 discs (song title, artist) and time elapsed since start of the track;
- Audio CD, CD-R and CD-RW playing.
- Fast forward/rewind through tracks;
- MP3 Display function: display of folder name, ID3-TAG information, (time elapsed since the start of the track, name of the file);

WARNING!

On multimedia CDs, besides audio tracks, there are data tracks too. Playing this type of CD could cause hissing at a volume that could jeopardize road safety as well as causing damage to the final stages and the speakers.

CD/MP3 Section

- MP3-Info function (ID3-TAG);
- Folder selection (previous/next);
- Track selection (forward/backward);


- Playing audio or data CD, CD-R and CD-RW.

Audio Section

- Mute/Pause function;
- Soft Mute Function;
- Loudness Function;
- Graphic 7 band equalizer (if equipped);
- Separate bass/treble tone adjustment;
- Right/left channel balancing.
- Front/Rear fader


Functions And Adjustments

Turning The Car Radio On

The car radio comes on when the  ON/OFF button is pressed briefly.

When the car radio is turned on and the on volume limit is on, the volume is limited to a setting of 5 if it had been set higher when previously used.

Turning The Car Radio Off

Press and hold (approximately 2 seconds) the  ON/OFF button to turn the radio off.

Selecting The Radio Functions

By pressing the TUNER button briefly and repeatedly, the following audio sources can be selected cyclically:

- AM, FM and Satellite Bands (if equipped)

Selecting The CD Function

By briefly pressing the MEDIA button, the CD audio source can be selected (only with a CD loaded).

Audio Source Memory Function


If another radio function is selected while listening to a CD (e.g. the radio), playing is interrupted and is resumed from the same point when returning to the CD mode.

If another function is selected while listening to the radio, the last station selected is tuned into when returning to the Radio mode.


Volume Adjustment

To adjust the volume press the buttons +Vol or –Vol to increase/decrease the volume.

Mute/Pause Function

Press the  button briefly to activate the MUTE function. The volume will gradually decrease and the

wording “TUNER Mute” will be shown on the display (in radio mode) or “CD Pause” (in CD mode).





Press the  button again to deactivate the MUTE function. The volume will gradually increase until it reaches the previously set level.

When the volume level is changed using the dedicated controls, the Mute function is deactivated and the volume is adjusted to the new level selected.

Audio Adjustment

The functions that can be selected from the audio menu change depending on the context: AM/FM/MEDIA/SATELLITE.

Press the AUDIO button briefly to change the Audio functions. After the AUDIO button is first pressed, the display will show the bass level value for the source activated at that time (e.g. in FM mode the display will show the wording “FM Bass +2”).

Use the buttons  or  to scroll through the Menu functions. To change the setting of the selected function, use the  or  buttons.

The current status of the selected function appears on the display.





The functions managed by the Audio Menu are:



- BASS (bass adjustment);
- TREBLE (treble adjustment);
- BALANCE (right/left balance adjustment);
- FADER (front/rear balance adjustment);
- LOUDNESS (LOUDNESS function activation/deactivation);
- EQUALIZER — if equipped (activation and selection of factory equalization adjustments);

- USER EQUALIZER — if equipped (customized equalization adjustment).

Tone Adjustment

Proceed as follows:



- Press AUDIO Button,
- Use the button  or  to select “Bass” or “Treble” in the AUDIO menu;
- press the  or  button or to increase/decrease the bass or treble adjustments.



By pressing the  or  buttons briefly, the levels will change progressively. By pressing them down longer, the levels will change quickly.



Balance Adjustment

Proceed as follows:

- Press AUDIO Button,

- Use the button  or  to set “Balance” in the AUDIO menu;



- press the  button to increase the sound from the right speakers or the  button to increase the sound from the left speakers.

By pressing the  or  buttons briefly, the levels will change progressively. By pressing them down longer, the levels will change quickly.

Select the value “0” to set the right and left audio outputs at the same level.

Fader Adjustment

Proceed as follows:

- Press AUDIO Button,
- Use the button  or  to set “Fader” in the AUDIO menu;

- press the ◀ button to increase the sound coming from the rear speakers or the ▶ button to increase the sound coming from the front speakers.

By pressing the ◀ or ▶ buttons briefly, the levels will change progressively. By pressing them down longer, the levels will change quickly.

Select the value “0” to set the right and left audio outputs at the same level.

Loudness Function — If Equipped

The Loudness function improves the volume of the sound while listening at low volumes, increasing the bass and treble.

To activate/deactivate this function, select the “Loudness” setting in the AUDIO menu. The condition of the function (on or off) is shown on the display for a few seconds by the wording “Loudness On” or “Loudness Off”.

Preset/User*/Classic/Rock/Jazz Functions — If Equipped

The built-in equalizer can be activated/deactivated. When the equalizer function is off, the audio settings can only be changed by adjusting the “Bass” and “Treble” settings, whereas when the function is on, the acoustic curves can be adjusted. To deactivate the equalizer, select the “EQ Preset” function in the audio menu.

To activate the equalizer, use the AUDIO button or to select one of the adjustments:

- “EQ User” (adjustment of 7 equalizer bands that can be changed by the user);
- “Classic” (equalizer preset for optimal classic music sound);
- “Rock” (equalizer preset for optimal rock and pop music sound);
- “Jazz” (equalizer preset for optimal jazz music sound).

When one of the equalizer adjustments is activated the wording “EQ” lights up.

*User EQ Settings Function — If Equipped

To set a personalized equalizer adjustment:

- Press AUDIO button
- Use the Δ or ∇ buttons to set EQ function
- Use ◀ or ▶ buttons to select “EQ User”
- Press MENU button to start adjusting equalizer
- On the display appears a 7 bar graph, in which each bar represents a frequency. Select the bar to be adjusted by using the ◀ or ▶ buttons. The selected bar will start to flash and it can be adjusted using Δ or ∇.
- To store the setting, press the MENU or AUDIO buttons

Menu

MENU Button Functions

Press the MENU button briefly to activate the Menu function.

Use the buttons Δ or ∇ to scroll through the menu functions. To change the setting of the selected function, use the ◀ or ▶ buttons.

The current status of the selected function appears on the display.

The functions managed by the Menu are:

- Speech Volume
- Aux Audio Offset
- Radio Off
- Sat ID
- Sirius Telephone Number

- System Reset
- Speed Volume
- On Volume Limit

Press the MENU button again to exit the Menu function.

Speed Volume Function — If Equipped

This function automatically adapts the volume level to the speed of the car, turning up the volume when the speed increases to maintain the ratio with the noise level inside the passenger compartment. To activate/deactivate the function, use the buttons. The wording “Speed volume” appears on the display, followed by the current status of the function:

- Off: function deactivated
- Low: function activated (low sensitivity)
- High: function activated (high sensitivity).

On Volume Limit

This function makes it possible to activate/deactivate the maximum volume limit when turning the radio on.

The display shows the function status:

- “On volume limit: on” – when the radio is turned on the volume level will be:
 - if the volume level is equal to or higher than the maximum value, the radio will come on at the maximum volume;
 - if the volume level is between the minimum and maximum values, the radio will come on at the same volume as before it was switched off;
 - if the volume level is equal to or lower than the minimum value, the radio will come on at the minimum volume.

- “On volume limit: off” – the radio will come on at the same volume as before it was switched off. The volume level can be between 0 and 40.

Use the buttons / to change the setting.

NOTE:

- Using the Menu it is only possible to adjust the activation/deactivation of the function and not the minimum or maximum volume value.
- If the battery charge is too low, the volume cannot be adjusted between the minimum and the maximum level.

Radio Off Function

This function makes it possible to set the radio switching off mode by choosing between two methods.

The chosen mode appears on the display:

- “Radio off: 00 min”: the radio turns off in connection with the ignition key; the radio is turned automatically off as soon as the key is turned to the STOP position;
- “Radio off: 20 min”: the radio turns off independently from the ignition key; the radio remains on for a maximum period of 20 minutes after the key has been turned to the STOP position.

System Reset Function

This function is used to restore all settings to the factory values. The options are:

- NO: no restore intervention;
- YES: the default parameters will be restored. During such operation, the wording “Resetting” appears on the display. At the end of the operation, the source does not change and the previous situation will be displayed.

Radio

(Tuner) Introduction

When the car radio is turned on, the last function that was selected before turning it off (Radio, CD, CD MP3, AUX) is activated.

To select the Radio function when another audio source is being listened to, briefly press the TUNER button.

Once the Radio mode has been activated, the display will show the name (RDS stations only) or the frequency of the selected radio station, the frequency band selected (e.g. FMA) and the preset button number (e.g. P1).

Frequency Band Selection

With the Radio mode active, press the FM or AM tuner button briefly and repeatedly to select the desired reception band.

Each time the button is pressed the following bands are selected cyclically:

- AM, FM or SAT (if equipped)

Each band is highlighted by the corresponding wordings on the display. The last station selected on the respective frequency band will be tuned into.

Preset Buttons

The buttons numbered from 1 to 5 are used to set the following pre-selections:

- 15 in the FM band (5 in FMA, 5 in FMB, 5 in FMC);
- 10 in the AM band (5 in AMA, 5 in AMB).
- 15 in SAT (if so equipped) (5 SATA, 5 SATB, 5 SATC)

To listen to a preset station, select the desired frequency band and then press briefly the corresponding preset button (from 1 to 5).

By pressing the preset button for more than 2 seconds, the tuned station will be stored. Pressing the A-B-C button will change between the preset memory group in the current frequency band.

Automatic Tuning

Briefly press the ◀ or ▶ button to start the automatic tuning search for the next station that can be received in the selected direction.

If the button ◀ or ▶ is pressed for longer, the rapid search is started. When the button is released, the tuner will stop on the next station that can be received.

Manual Tuning

This is used to manually search for stations in the preselected band.

Select the desired frequency band and then press briefly and repeatedly the button Δ or ∇ to start the search

in the desired direction. If the button Δ or ∇ is pressed longer, the fast search starts and then stops when the button is released.

Stereophonic Broadcasters

If the incoming signal is weak, the reproduction is automatically switched from Stereo to Mono.

SIRIUS Satellite Radio — If Equipped

Satellite Radio Antenna — If Equipped

The antenna for the satellite radio is mounted on the roof of the vehicle. Do not place items on the roof around the roof top antenna location. Objects placed within the line of sight of the antenna will cause decreased performance. Larger luggage items should be placed as far from the antenna as possible. Do not place items directly on or above the antenna.

SIRIUS Satellite Radio

With over 130 channels, SIRIUS Satellite Radio brings you more of what you love. Get 69 channels of 100% commercial-free music, plus all of your favorite sports, news, talk and entertainment. Hear every NFL game, every NASCAR race, college sports and more. The biggest and most compelling names in talk with Howard Stern and Martha Stewart, laugh-out-loud comedy with Jamie Foxx's The Foxxhole and Blue Collar Comedy, plus kids' programming, world-class news, local traffic and weather. All of this with crystal clear, coast-to-coast coverage. Everything worth listening to is now on SIRIUS. A one-year SIRIUS Satellite Radio subscription is included. SIRIUS XM and all related marks and logos are trademarks of SIRIUS XM Radio Inc. and its subsidiaries. SIRIUS Radio requires a subscription, sold separately after trial subscription included with vehicle purchase. Prices and programming are provided by SIRIUS and are subject to change. Subscriptions governed by Terms &

Conditions available at sirius.com/service terms. SIRIUS Radio U.S. service only available to those at least 18 years of age in the 48 contiguous United States, D.C., and PR. Service available in Canada; see www.siriuscanada.ca.

SIRIUS Satellite Radio Program Types

Program Types can be selected by pressing the Δ or ∇ buttons. The Program Type will change to the next category and the radio will then tune to first station in that program type. Pressing \blacktriangleleft or \blacktriangleright buttons will tune to only the stations in that program type.

Pressing the Δ or ∇ buttons until "All" is displayed will allow normal tuning to all stations.

The Program Types available are: All, Pop, Rock, Electronic/Dance, Hip-Hop/R&B, Country, Christian, Jazz/Standards, Classical, Latin/World, Sports, Entertainment, Talk, News, NPR, Comedy, Family & Health, Religion, Traffic/Weather.

You can find SIRIUS' current terms and conditions at <http://www.sirius.com>.

Re-Subscribe To SIRIUS Satellite Radio

New vehicle purchasers or lessees will receive a free limited time subscription to SIRIUS Satellite Radio with your radio. Following expiration of the free services, it will be necessary to access the information on the Subscription Information screen in order to re-subscribe. Press the UP/DOWN button to scroll through the Menu Functions, and the Left/Right button to change the selected Set-up Menu function.

Write down the SIRIUS ID numbers for your receiver. To reactivate your service, either call the number listed on the display or visit the provider online.

CAUTION!

Neither SIRIUS nor FIAT is responsible for any errors in accuracies in the SIRIUS data services or its use in vehicles.

SIRIUS XM and all related marks and logos are trademarks of SIRIUS XM Radio Inc. and its subsidiaries. SIRIUS Radio requires a subscription, sold separately after trial subscription included with vehicle purchase. Prices and programming are provided by SIRIUS and are subject to change. Subscriptions governed by Terms & Conditions available at sirius.com/service terms. SIRIUS Radio U.S. service only available to those at least 18 years of age in the 48 contiguous United States, D.C., & PR. Visit www.sirius.com

Sirius Subscription Issues When Replacing A Sirius Radio

When a radio needs to be replaced, the dealer will need the Sirius information to order a new radio (even if the Sirius subscription has lapsed). The ESN number contains 12 digits.

The following are instructions for retrieving the ESN from FIAT 500 NAFTA model radios:

To retrieve the Electronic Serial Number of Sirius Satellite Receiver Module tune to Channel 0. Make sure that when the order is placed, the ESN are correct. If any of the ESN numbers are not entered correctly, then the Sirius subscription will not be able to be transferred to the new radio and will not be active when installed in the customer's vehicle.

CD Player

Introduction

This chapter describes the variants regarding the operation of the CD player only: as far as the operation of the radio is concerned, refer to the description in the "Functions and Adjustments" chapter.

CD Player Selection

To activate the CD player built into the equipment, proceed as follows:

- load a CD with the equipment switched on: the first track will start to play;
- or
- if a CD has already been loaded, turn on the car radio and then briefly press the MEDIA button to select the "CD" function mode: the last track listened to will start to play.

It is advisable to use original CDs to ensure optimal playing. If CD-R/RWs are used, we recommend using good quality media that are burned at the slowest speed possible.

CD Loading/Ejecting

To load the CD, insert it gently into the slot to activate the motorized loading system, which will position it correctly.

The CD can be loaded with radio off and the ignition key turned to ON/RUN: in this case the radio will remain off. When the radio is turned on, the last source listened to before being switched off, will be activated.

When a CD is inserted the display will show the symbol "CD" and the wording "CD Reading". They will remain displayed for the whole time required for the radio to read the CD. When this time has elapsed the radio automatically starts playing the first track.

Press the ▲ button, with the radio turned on, to activate the motorized CD ejection system. After ejection, the last audio source listened to before playing the CD will be heard.

If the CD is not removed from the radio, it will automatically be reloaded about 20 seconds later but will not resume playing until the "MEDIA" button is pressed to select the CD mode. The radio will switch to the last source prior to CD mode.

The CD cannot be ejected if the radio is off.

Possible Error Messages

If the loaded CD cannot be read (e.g. a CD ROM has been inserted or the CD is inserted the wrong way round or there is reading error) the display shows the wording "CD Disc error".

The CD will then be ejected and the audio source activated before the CD mode selection will be heard.

A CD which cannot be read will not be ejected until these functions are over. At the end, with the CD mode activated, the display will show the wording “CD Disc error” for a few seconds and then the CD will be ejected.

Display Information

When the CD player is operating, on the display appear information with the following meaning:

- “Track 5”: indicates the CD track number;
- “03:42”: indicates the time elapsed since the start of the track (if the relevant Menu function is activated).

Track Selection

Briefly press the ◀ button to play the previous CD track and the ▶ button to play the next track. The tracks are selected cyclically: the first track is selected after the last track and vice versa.

If the track has been played for more than 3 seconds, pressing the ◀ button the track starts again from the

beginning. In this case, if you want to play the previous track, press the ◀ button twice consecutively.

Track Fast Forward/Rewind

Keep the ▶ button pressed down to fast forward the selected track and keep the ◀ button pressed down to fast rewind the track. The fast forward/rewind will stop once the button is released.

Pause Function

To pause the CD player, press the ⏸ button. The wording “CD Pause” appears on the display.

To resume listening to the track, press the ⏸ button again.

CD MP3 Player

Introduction

This chapter describes the variants regarding the operation of the CD MP3 player.

NOTE: Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia.

MP3 Mode

In addition to playing regular audio CDs, the radio is also enabled to play CDRoms on which compressed audio files have been recorded in an MP3 format.

To guarantee optimal reproduction it is advisable to use good quality CDs burned at the lowest speed possible.

The files on an MP3 CD are structured in folders that create lists of all the folders containing MP3 tracks (folders or subfolders are all on the same level); the folders that do not contain MP3 tracks cannot be selected.

The specifications and operating conditions for playing MP3 files are the following:

- the CD-ROMs used should be burned in accordance with ISO standard 9660;

- the music files should have extension “.mp3” or “.wma”: files with a different extension will not be reproduced;
- The sampling frequencies that can be reproduced are: 44.1 kHz, stereo (from 96 to 320 kbit/s) – 22.05 kHz, mono or stereo (from 32 to 80 kbit/s);
- tracks with a variable bit-rate can be reproduced.

NOTE: The track names must not include the following characters: spaces, ' (apostrophes), (and) (open and close brackets). During the burning of a MP3 CD, make sure that the names of the files do not contain these characters; if not, the radio will not be able to play the tracks involved.

Selecting MP3 Sessions With Hybrid Discs

If a hybrid disc is inserted (Mixed Mode, Enhanced, CD-Extra) also containing MP3 files, the radio automatically starts playing the audio session. It is possible to move to the MP3 session while playing by keeping the CD button pressed for more than 2 seconds.

NOTE: When the function is activated the radio may take a few seconds to start playing. While checking the disc the display will show "CD Reading". If no MP3 files are detected, the radio will resume playing the audio session from the point where it was interrupted.

Display Information

ID3-Tag Information Display

In addition to the information relating to the time elapsed, folder name and file name, the radio is also capable of displaying ID3_TAG information relating to Title track, Artist and Author.

When one of the ID3-TAG pieces of information is chosen to be displayed (Title, Artist, Album) and this information has not been recorded for the track played, the text "UNKNOWN" will be displayed for that field.

Selection Of Next/Previous Folder

Press the button Δ to select a next folder or the button ∇ to select the previous folder. The display will show the number of the folder.

The folders are selected cyclically: the first folder is selected after the last folder and vice versa.

If no other folder/track is selected in the next 2 seconds, the first track on the new folder will be played.

If the last track in the folder at that moment selected is played, the next folder will be played.

Structure Of The Folders

The radio with MP3 player:

- recognizes only the folders that effectively contain MP3 format files;
- if the MP3 files on a CD-ROM are structured in "sub-folders", their structure is compressed to a single level structure, where the "sub-folders" are taken to the level of the main folders.

Troubleshooting

General

Sound Volume Low

The Fader function should be adjusted to the values "F" (front) only to prevent the reduction in radio output power and the cancelling of the volume if the Fader level adjustment is equal to R+9.

Source can not be selected

Nothing has been loaded. Load the CD or the MP3 CD to listened to.

CD Player

The CD does not play

The CD is dirty. Clean the CD.

The CD is scratched. Try using another CD.

The CD can not be loaded

A CD is already loaded. Press the \blacktriangle button and remove the CD.

MP3 File Reading

Track skips while playing MP3 files

The CD is scratched or dirty.

The duration of the MP3 tracks is not correctly displayed.

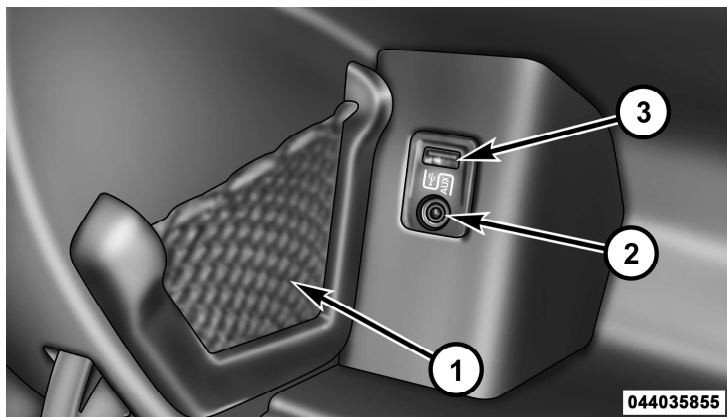
In some cases (due to the recording mode) the duration of the MP3 tracks can be displayed incorrectly.

Operating Instructions — Hands-Free Phone (If Equipped)

Refer to the appropriate Blue&Me™ User's Manual for further information.

iPod®/USB/MEDIA PLAYER CONTROL — IF EQUIPPED

This feature allows an iPod® or external USB device to be plugged into the USB port, located in the glove compartment.

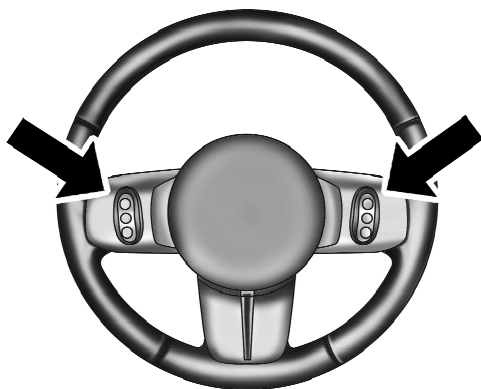


- 1 — iPod® or External USB Device Holder
 - 2 — Cable Jack
 - 3 — USB Connector
-

Refer to the appropriate Blue&Me™ radio User's Manual for iPod® or external USB device support capability.

STEERING WHEEL AUDIO CONTROLS

The remote sound system controls are located on the rear surface of the steering wheel. Reach behind the wheel to access the switches.



045033001

Remote Sound System Controls (Back View Of Steering Wheel)

The right-hand control is a rocker-type switch with a pushbutton in the center and controls the volume and mode of the sound system. Pressing the top of the rocker switch will increase the volume, and pressing the bottom of the rocker switch will decrease the volume.

Pressing the center button will make the radio switch between the various modes available (AM/FM/SAT/CD/AUX/Media Player, etc.) and can also be used to select/enter an item while scrolling through menu.

The left-hand control is a rocker-type switch with a pushbutton 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

Pressing the top of the switch will "Seek" up for the next listenable station and pressing 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 pushbutton.

CD Player Operation

Pressing the top of the switch once will go to the next track on the CD. Pressing 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 press the switch up or down twice, it plays the second track; three times, it will play the third, etc.

Operating Instructions — Hands-Free Phone (If Equipped)

Refer to the appropriate Blue&Me™ User's Manual for further information.

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 (i.e., 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.

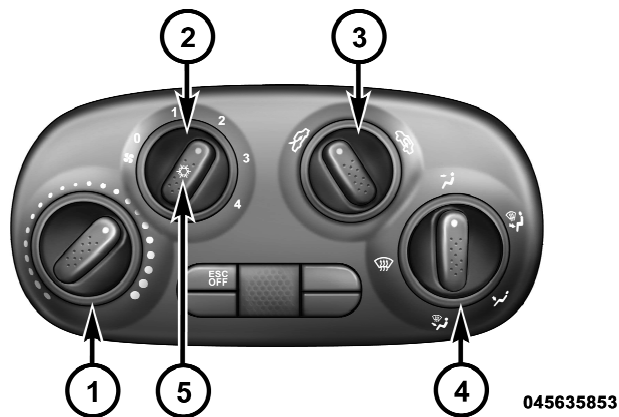
RADIO OPERATION AND MOBILE PHONES

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.

Single-Zone Manual Heating and Air Conditioning



Manual Temperature Control (MTC)

The Single-Zone Manual Climate controls consist of a series of rotary dials and one inner push knob.

1. Temperature Control

Rotate this control to regulate the temperature of the air inside the passenger compartment. Rotating the dial left into the blue area of the scale indicates cooler temperatures while rotating right into the red area indicates warmer temperatures.

2. Blower Control

Rotate this control to regulate the amount of air forced through the ventilation system in any mode. The blower speed increases as you move the control to the right from the "0" (OFF) position. There are four blower speeds.

3. Recirculation Control

Rotate this control to change the system between recirculation mode and outside air mode. Recirculation can be used when outside conditions such as smoke, odors, dust, or high humidity are present.


NOTE:

- Continuous use of the recirculation mode may make the inside air stuffy and window fogging may occur. Extended use of this mode is not recommended.
- The use of the recirculation mode in cold or damp weather could cause windows to fog on the inside, because of moisture buildup inside the vehicle. Select the Outside Air position for maximum defogging.
- The A/C can be deselected manually without disturbing the mode control selection.

4. Mode Control


Rotate this control to change the system between Modes (Panel, Bi-Level, Floor, Mix).

• Panel


 Air is directed through the outlets in the instrument panel. These outlets can be adjusted to direct airflow.

NOTE: The center instrument panel outlets can be aimed so that they are directed toward the rear seat passengers for maximum airflow to the rear.


• Bi-Level

 Air is directed through the panel and floor outlets.


• Floor

 Air is directed through the floor outlets with a small amount flowing through the defrost and side window demist outlets.

• Mix

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

- **Defrost**

 Air is directed through the windshield and side window demist outlets. Use this mode with maximum blower and temperature settings for best windshield and side window defrosting.

NOTE: The air conditioning compressor operates in Mix or Defrost, even if the Air Conditioning (A/C) button is not pressed. This dehumidifies the air to help dry the windshield. To improve fuel economy, use these modes only when necessary.

5. A/C Button

Press this button to engage the Air Conditioning. A light will illuminate when the Air Conditioning System is engaged.


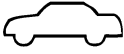






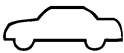












MAX A/C

For maximum cooling use the A/C and recirculation modes at the same time.

ECONOMY MODE

If economy mode is desired, press the A/C button to turn OFF the indicator light and the A/C compressor. Then, move the temperature control to the desired temperature.

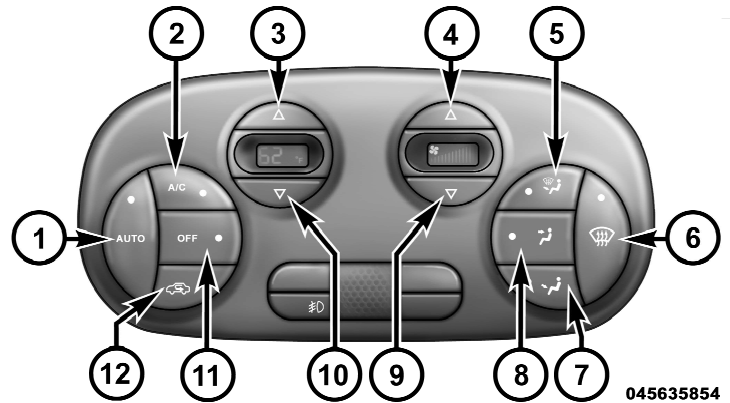
Operating Tips Chart

WEATHER	CONTROL SETTINGS
HOT WEATHER AND VEHICLE INTERIOR IS VERY HOT  	Open the windows, start the vehicle, set the Mode control to Panel  or Bi-Level  , and turn on A/C. Set the Fan control to the High position. Set the temperature control to full cool. After the hot air is flushed from the vehicle, set the Mode control to Recirculate  with A/C on and roll up the windows. Once you are comfortable, set the Mode control to Panel  or Bi-Level  with A/C on.
WARM WEATHER  	If it's sunny, set the Mode control to Panel  and turn on A/C. If it's cloudy or dark, set the Mode control to Bi-Level  with A/C on. Adjust Temperature control for comfort.
COOL OR COLD HUMID CONDITIONS  	Set the Mode control to Defrost/Floor  or Defrost  . Set the Fan Control to the High position. Adjust Fan and Temperature control for comfort if windows are clear.
COLD DRY CONDITIONS  	Set the Mode control to Floor  . If it's sunny, you may want more upper air. In this case, set the Mode control to Bi-Level  . In very cold weather, if you need extra heat at the windshield, set the Mode control to Defrost/Floor  or Defrost  as needed. Adjust Fan and Temperature control for comfort. 045636402

Single-Zone Automatic Temperature Control (ATC) — If Equipped

- The Automatic Temperature Control (ATC) allows the driver to select individual comfort settings.
- The system provides set-and-forget operation for optimum comfort and convenience.
- The system can be controlled manually, if desired.

The ATC system automatically maintains the interior comfort level desired by the driver and passenger.



Automatic Temperature Control (ATC)

1. Auto Temperature Control (ATC) Button

Controls airflow, temperature, distribution, and air recirculation automatically. Press and release to select. Performing this function will cause the ATC to switch between manual mode and automatic modes. Refer to “Automatic Operation” for more information.

2. A/C Button

Press and release to change the current Air Conditioning (A/C) setting. Performing this function will cause the ATC to switch into manual mode.

3. Temperature Control Up Button

Provides temperature up control. Push the button for warmer temperature settings.

4. Blower Control Up Button

There are 12 blower speeds, the blower speed increases as you press this button. Performing this function will cause the ATC to switch into manual mode.

5. Mix Mode

Air is directed through the floor, defrost, and side window demist outlets. This setting works best in cold or snowy conditions that require extra heat to the windshield. This setting is good for maintaining comfort while reducing moisture on the windshield. Performing this function will cause the ATC to switch into manual mode.

6. Front Defrost

Press and release to change the current setting, the indicator illuminates when ON. The blower will automatically default to medium-high if the Defrost mode is selected. Performing this function will cause the ATC to switch into manual mode.

7. Floor Mode

Air is directed through the floor outlets with a small amount flowing through the defrost and side window demist outlets.

8. Panel Mode

Air is directed through the outlets in the instrument panel. These outlets can be adjusted to direct airflow. Performing this function will cause the ATC to switch into manual mode.

NOTE: The center instrument panel outlets can be aimed so that they are directed toward the rear seat passengers for maximum airflow to the rear.

9. Blower Control Down Button

There are 12 blower speeds, the blower speed decreases as you press this button. Performing this function will cause the ATC to switch into manual mode.

10. Temperature Control Down Button

Provides temperature down control. Push the button for cooler temperature settings.

11. Climate Control ON/OFF Button

Press and release to turn the Climate Control ON/OFF

12. Recirculation Control Button

Press and release to change the current setting, the indicator illuminates when ON.

NOTE:

- When in defrost or mix modes the Recirculation button will flash if pressed. This indicates that you can not proceed to this mode due to fogging risk.

- When the Auto indicator is on and the Recirculation indicator is off, the Recirculation is in auto mode. If the Recirculation indicator is on, the Recirculation setting is manual and Recirculation is on.

Automatic Operation

1. Press the AUTO button on the Automatic Temperature Control (ATC) Panel, the indicator will illuminate when on.
2. Next, adjust the temperature you would like the system to maintain by adjusting the temperature control buttons. 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 settings. You will experience the greatest efficiency by simply allowing the system to function automatically.

NOTE:

- It is not necessary to move the temperature settings for cold or hot vehicles. The system automatically adjusts the temperature, mode and fan speed to provide comfort as quickly as possible.
- The temperature can be displayed in U.S. or Metric units by selecting the US/M customer-programmable feature. Refer to the "Electronic Vehicle Information Center (EVIC) — Customer-Programmable Features (SETUP)" 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

This system offers a full complement of manual override features.

NOTE: Each of these features operate independently from each other. If any feature is controlled manually, temperature control will continue to operate automatically.



045635943

Blower Control

button.


The blower fan speed can be set to any fixed speed by pressing the blower control up or down buttons. The fan will now operate at a fixed speed until additional speeds

There are 12 fixed blower speeds. Use the blower control up or down buttons to regulate the amount of air forced through the system in any mode you select. The blower speed increases as you press or hold the blower control up button and decreases when you press or hold the blower control down


are selected. This allows the front occupants 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 following positions.


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.


Floor Mode

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


Bi-Level

 Air is directed through the panel and floor outlets. Press and release the Panel mode button and Floor mode button to enter Bi-Level mode, the indicators illuminate when ON. Performing this function will cause the ATC to switch into manual mode.

Mix Mode

 Air comes from the floor, defrost and side window demister outlets. This mode works best in cold or snowy conditions. It allows you to stay comfortable while keeping the windshield clear.

Defrost Mode

 Air comes from the windshield and side window demister outlets. Use Defrost mode with maximum temperature settings for best windshield and side window defrosting. When the defrost mode is selected, the blower will automatically default to medium-high.

NOTE: While operating in the other modes, the system will not automatically sense the presence of fog, mist or ice on the windshield. Defrost mode must be manually selected to clear the windshield and side glass.

Air Conditioning (A/C)

The Air Conditioning (A/C) button allows the operator to manually activate or deactivate the air conditioning system. When in A/C mode and the ATC is set to a cool temperature, dehumidified air flows through the air outlets. If Economy mode is desired, press the A/C button to turn off the A/C mode in the ATC display and deactivate the A/C system.

NOTE:

- If the system is in Mix or Defrost Mode, the A/C can be turned off, but the A/C system shall remain active to prevent fogging of the windows.
- If fog or mist appears on the windshield or side glass, select Defrost mode and increase blower speed.

Recirculation Control



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.

Recirculation mode should only be used temporarily. The recirculation LED will illuminate when this button is selected. Push the button a second time to turn off the Recirculation mode LED and allow outside air into the vehicle.

NOTE: In cold weather, use of Recirculation mode may lead to excessive window fogging. The Recirculation mode is not allowed in the Mix and Defrost modes to improve window clearing operation. Recirculation will be disabled automatically if these modes are selected.

Operating Tips

Window Fogging

Windows will fog on the inside when the humidity inside the vehicle is high. This often occurs in mild or cool temperatures when it's rainy or humid. In most cases, turning the air conditioning (pressing the A/C button) on will clear the fog. Adjust the temperature control, air direction, and blower speed to maintain comfort.

As the temperature gets colder, it may be necessary to direct air onto the windshield. Adjust the temperature control and blower speed to maintain comfort. Higher blower speeds will reduce fogging. Interior fogging on the windshield can be quickly removed by selecting the DEFROST mode.

Regular cleaning of the inside of the windows with a non-filming cleaning solution (vinegar and water works very well) will help prevent contaminants (cigarette smoke, perfumes, etc.) from sticking to the windows. Contaminates increase the rate of window fogging.

Summer Operation

NOTE: In some cases during high temperature operation the Air Conditioning system performance may be reduced. This is to help protect the engine from overheating during the high load condition.

Your air conditioning system is also equipped with an automatic recirculation system. When the system senses a heavy load or high heat conditions, it may use Recirculation A/C mode to provide additional comfort while in automatic mode.

Winter Operation

When operating the system during the winter months, make sure the air intake, located directly in front of the windshield, is free of ice, slush, snow, or other obstructions.

Vacation Storage

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.

STARTING PROCEDURES

Before starting your vehicle, adjust your seat, adjust both inside and outside mirrors, and fasten your seat belts.

WARNING!

Never leave children in the vehicle alone. Leaving unattended children in a vehicle is dangerous for a number of reasons. The child or others could be seriously or fatally injured. The child could operate power windows, other controls or move the vehicle.

Manual Transmission – If Equipped

Apply the parking brake, place the shift lever in NEUTRAL, and press the clutch pedal before starting the vehicle. This vehicle is equipped with a clutch interlocking ignition system. It will not start unless the clutch pedal is pressed to the floor.

Automatic Transmission – If Equipped

The shift lever must be in the PARK or NEUTRAL position before you can start the engine. Apply the brakes before shifting to any driving gear.

NOTE: You must press the brake pedal before shifting out of PARK.

Normal Starting

NOTE: Normal starting of either a cold or a warm engine is obtained without pumping or pressing the accelerator pedal.

Turn the ignition switch to the AVV (START) position and release when the engine starts. If the engine fails to start within 10 seconds, turn the ignition switch to the STOP (OFF/LOCK) position, wait 10 to 15 seconds, then repeat the "Normal Starting" procedure.

Cold Weather

To prevent possible engine damage while starting at low temperatures, this vehicle uses a viscosity sensor to determine the thickness of the oil before the engine is allowed to start. During the viscosity measurement (up to 10 seconds) the glow plug light will be continuously illuminated in the instrument cluster and the starter will be disabled. If the viscosity is OK, the glow plug symbol will go off and the engine will be allowed to crank. If the measured oil viscosity is too high (thick), engine cranking will be disabled and the glow plug light will blink repeatedly until the oil temperature is raised, preferably by an externally-powered electric engine block heater (available from your authorized dealer).

The message "plug in engine heater" will be displayed in the instrument cluster when the ambient temperature is below -4°F (-20°C) at the time the engine is shut off as a reminder to avoid possible crank delays at the next cold start.

CAUTION!

Use of the recommended SAE 5W-30 oil and adhering to the prescribed oil change intervals is important to prevent engine damage and ensure satisfactory starting in cold conditions.

If Engine Fails To Start

WARNING!

- **Never pour fuel or other flammable liquids into the throttle body air inlet opening in an attempt to start the vehicle. This could result in a flash fire causing serious personal injury.**

(Continued)

WARNING! (Continued)

- 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.

CAUTION!

To prevent damage to the starter, do not continuously crank the engine for more than 15 seconds at a time. Wait 10 to 15 seconds before trying again.

After Starting

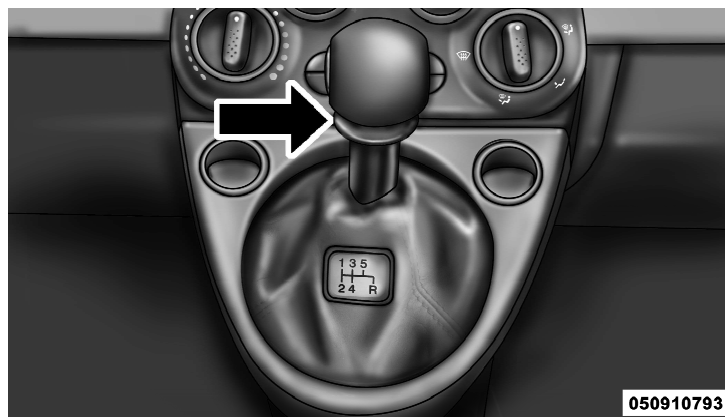
The idle speed will automatically decrease as the engine warms up.

MANUAL TRANSMISSION — IF EQUIPPED

Five-Speed Manual Transmission

WARNING!

You or others could be injured if you leave the vehicle unattended without having the parking brake fully applied. The parking brake should always be applied when the driver is not in the vehicle, especially on an incline.



Shift Lever

Fully press the clutch pedal before you shift gears. As you release the clutch pedal, lightly press the accelerator pedal.

NOTE: To shift into REVERSE from NEUTRAL, lift the ring under the knob and at the same time move the gearshift lever to the right and then backward.

Use each gear in numerical order, do not skip a gear. Be sure the transmission is in first gear, (not third), when starting from a standing position. Damage to the clutch can result from starting in third gear.

For most city driving, you will find it easier to use only the lower gears. For steady highway driving with light accelerations, fifth gear is recommended.

Never drive with your foot resting on the clutch pedal, and never try to hold the vehicle on a hill with the clutch pedal partially engaged. This will cause abnormal wear on the clutch.

Never shift into REVERSE until the vehicle has come to a complete stop.

NOTE: During cold weather, until the transmission lubricant is warm, you may experience slightly higher shift efforts. This is normal and not harmful to the transmission.

Recommended Shift Speeds

To use your manual transmission for optimal fuel economy, it should be upshifted as listed in the following table.

Manual Transmission Recommended Shift Speeds					
Units in mph (km/h)					
Engine Size	Acceleration Rate	1 to 2	2 to 3	3 to 4	4 to 5
1.4L	Accel	14 (23)	23 (37)	29 (47)	38 (61)
	Cruise	12 (19)	18 (29)	25 (40)	32 (52)

Downshifting

Proper downshifting will improve fuel economy and prolong engine life.

CAUTION!

If you skip more than one gear while downshifting or downshift at too high a vehicle speed, you could damage the engine, transmission, or clutch.

To maintain a safe speed and prolong brake life, shift down to second or first gear when descending a steep grade.

When turning a corner or driving up a steep grade, downshift early so that the engine will not be overburdened.

AUTOMATIC TRANSMISSION — IF EQUIPPED

CAUTION!

Damage to the transmission may occur if the following precautions are not observed:

- 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.
- Do not shift from REVERSE, PARK, or NEUTRAL into any forward gear when the engine is above idle speed.
- Before shifting into any gear, make sure your foot is firmly on the brake pedal.

NOTE: You MUST press and hold the brake pedal down BEFORE shifting out of PARK.

WARNING!

It is dangerous to move the shift lever out of PARK or NEUTRAL if the engine speed is higher than idle speed. If your foot is not firmly on 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 when your right foot is firmly on the brake pedal.

Brake/Transmission Interlock System

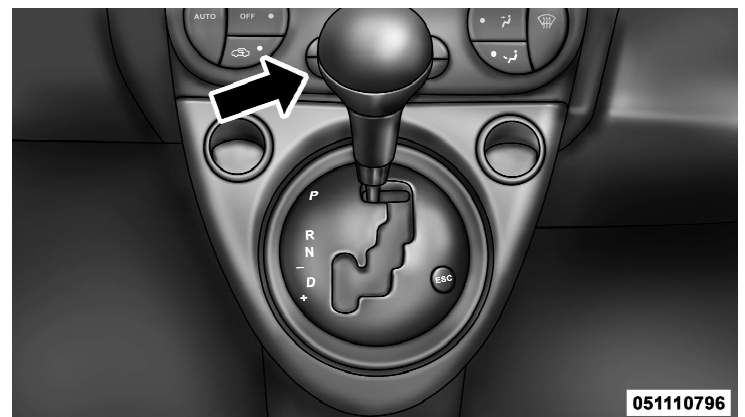
Automatic transmission vehicles are equipped with a Brake Transmission Shift Interlock System (BTSI) that holds the shift lever in the PARK position when the ignition switch is in the STOP (OFF/LOCK) position. To move the shift lever out of the PARK position, the ignition switch must be turned to the MAR (ACC/ON/RUN) or AVV (START) position (engine running or not) and the brake pedal must be pressed.

Automatic Transmission Ignition Interlock System

This system prevents the key from being removed unless the shift lever is in PARK. It also prevents shifting out of PARK unless the key is in the MAR (ACC/ON/RUN) position, and the brake pedal is pressed.

Gear Ranges

DO NOT race the engine when shifting from PARK or NEUTRAL position into another gear range.



Shift Lever

PARK

This range supplements the parking brake by locking the transmission. The engine can be started in this range. Never use PARK while the vehicle is in motion. Apply

the parking brake when leaving the vehicle in this range. Always apply the parking brake first, and then place the shift lever in the PARK position.

WARNING!

- Unintended movement of a vehicle could injure those in and near the vehicle. As with all vehicles, you should never exit a vehicle while the engine is running. Before exiting a vehicle, you should always shift the vehicle into PARK, remove the key from the ignition, and apply the parking brake. Once the key is removed from the ignition, the shift lever is locked in the PARK position, securing the vehicle against unwanted movement. Furthermore, you should never leave unattended children inside a vehicle.

(Continued)

WARNING! (Continued)

- Never leave children alone in a vehicle. Leaving unattended children in a vehicle is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Do not leave the ignition key in the ignition switch. A child could operate power windows, other controls, or move the vehicle.

The following indicators should be used to ensure that you have engaged the shift lever into the PARK position:

- When shifting into PARK firmly move the shift lever all the way forward and to the left until it stops.
- Look at the indicator on the shift lever or the instrument cluster to ensure it is in the PARK position.

CAUTION!

Before moving the shift lever out of PARK, you must turn the ignition from STOP (OFF/LOCK) to MAR (ACC/ON/RUN) so the shift lever is released. Otherwise, damage to the shift lever could result. You must also press the brake pedal.

REVERSE

This range is for moving the vehicle rearward. Use this range only after the vehicle has come to a complete stop.

NEUTRAL

This range is used when the vehicle is standing for prolonged periods with the engine running. The engine may be started in this range. Set 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 switch 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.

DRIVE

This range is used for most city and highway driving.

AUTOSTICK® — IF EQUIPPED

AutoStick® is a driver-interactive 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

When the shift lever is in the Autostick® position (to the left of the Drive position), it can be moved forward and rearward. This allows the driver to manually select the transmission gear being used. Moving the shift lever forward (-) triggers a downshift, and rearward (+) an upshift. The gear position will display in the instrument cluster on the transmission range indicator.

NOTE: In AutoStick® mode, the transmission will only shift up or down when the driver moves the shift lever rearward (+) or forward (-), except as noted below. AutoStick® is deactivated when the shift lever is moved out of the AutoStick® (+/-) position.

General Information

- You can launch the vehicle from a stop in first, second, or third gear. The system will ignore attempts to shift into a higher gear if the engine speed is too low. An audible beep will sound if an inappropriate gear is selected.
- When coming to a stop the transmission will downshift through the gears based on vehicle speed. When the vehicle is at a stop, first gear will be selected.

- Starting out in second or third gear can be helpful in snow or icy conditions. To select second or third gear after the vehicle is brought to a stop, tap the shift lever rearward (+) once or twice.
- Avoid using speed control when Autostick is engaged since the transmission will not shift automatically.
- Transmission shifting will be more noticeable when AutoStick® is engaged.
- If a downshift would cause the engine to over-speed, that shift will not occur until it is safe for the engine. An audible beep will sound if an inappropriate gear is selected.
- The transmission will automatically upshift when necessary to prevent engine overspeed.
- Mostly the transmission will stay in the manually selected ratio, however:
 - If the system detects powertrain overheating, the transmission will revert to a special automatic shift mode and remain in that mode until the powertrain cools off.
 - If the system detects a problem, it will disable the AutoStick® mode and the transmission will return to the automatic mode until the problem is corrected.

DRIVING ON SLIPPERY SURFACES

Acceleration

Rapid acceleration on snow covered, wet, or other slippery surfaces may cause the front wheels to pull erratically to the right or left. This phenomenon occurs when there is a difference in the surface traction under the front (driving) wheels.

WARNING!

Rapid acceleration on slippery surfaces is dangerous. Unequal traction can cause sudden pulling of the front wheels. You could lose control of the vehicle and possibly have a collision. Accelerate slowly and carefully whenever there is likely to be poor traction (ice, snow, wet mud, loose sand, etc.).

Traction

When driving on wet or slushy roads, it is possible for a wedge of water to build up between the tire and road surface. This is known as hydroplaning and may cause partial or complete loss of vehicle control and stopping ability. To reduce this possibility, the following precautions should be observed:

1. Slow down during rainstorms or when the roads are slushy.
2. Slow down if the road has standing water or puddles.
3. Replace tires when tread wear indicators first become visible.
4. Keep tires properly inflated.
5. Maintain sufficient distance between your vehicle and the vehicle in front of you to avoid a collision in a sudden stop.

DRIVING THROUGH WATER

Driving through water more than a few inches/centimeters deep will require extra caution to ensure safety and prevent damage to your vehicle.

Flowing/Rising Water

WARNING!

Do not drive on or across a road or path where water is flowing and/or rising (as in storm run-off). Flowing water can wear away the road or path's surface and cause your vehicle to sink into deeper water. Furthermore, flowing and/or rising water can carry your vehicle away swiftly. Failure to follow this warning may result in injuries that are serious or fatal to you, your passengers, and others around you.

Shallow Standing Water

Although your vehicle is capable of driving through shallow standing water, consider the following Caution and Warning before doing so.

CAUTION!

- Always check the depth of the standing water before driving through it. Never drive through standing water that is deeper than the bottom of the tire rims mounted on the vehicle.
- Determine the condition of the road or the path that is under water and if there are any obstacles in the way before driving through the standing water.
- Do not exceed 5 mph (8 km/h) when driving through standing water. This will minimize wave effects.

(Continued)

CAUTION! (Continued)

- Driving through standing water may cause damage to your vehicle's drivetrain components. Always inspect your vehicle's fluids (i.e., engine oil, transmission, axle, etc.) for signs of contamination (i.e., fluid that is milky or foamy in appearance) after driving through standing water. Do not continue to operate the vehicle if any fluid appears contaminated, as this may result in further damage. Such damage is not covered by the New Vehicle Limited Warranty.
- Getting water inside your vehicle's engine can cause it to lock up and stall out, and cause serious internal damage to the engine. Such damage is not covered by the New Vehicle Limited Warranty.

WARNING!

- Driving through standing water limits your vehicle's traction capabilities. Do not exceed 5 mph (8 km/h) when driving through standing water.
- Driving through standing water limits your vehicle's braking capabilities, which increases stopping distances. Therefore, after driving through standing water, drive slowly and lightly press on the brake pedal several times to dry the brakes.
- Getting water inside your vehicle's engine can cause it to lock up and stall out, and leave you stranded.
- Failure to follow these warnings may result in injuries that are serious or fatal to you, your passengers, and others around you.

POWER STEERING

The standard power steering system will give you good vehicle response and increased ease of maneuverability in tight spaces. The system will provide mechanical steering capability if power assist is lost.

If for some reason the power assist is interrupted, it will still be possible to steer your vehicle. Under these conditions, you will observe a substantial increase in steering effort, especially at very low vehicle speeds and during parking maneuvers.

The power steering system is speed sensitive for light steering effort during slow speed parking maneuvers, and gradually increases the steering effort as vehicle speed increases to provide a tighter/more sporty steering response.

WARNING!

Continued operation with reduced or no power steering assist could pose a safety risk to yourself and others. Service should be obtained as soon as possible.

PARKING BRAKE

Before leaving the vehicle, make sure that the parking brake is fully applied. Also, be certain to leave manual transmission in REVERSE or first gear.

The parking brake lever is located in the center console. To apply the parking brake, pull the lever up as firmly as possible. To release the parking brake, pull the lever up slightly, press the center button, then lower the lever completely.



Parking Brake

When the parking brake is applied with the ignition switch in the MAR (ACC/ON/RUN) position, the “Brake Warning Light” in the instrument cluster will illuminate.

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. The parking brake should always be applied whenever the driver is not in the vehicle.

WARNING!

- Never leave children alone in a vehicle. Leaving unattended children in a vehicle is dangerous for a number of reasons. A child or others could be seriously or fatally injured.
- Do not leave the key in the ignition switch. A child could operate power windows, other controls, or move the vehicle.
- Be sure the parking brake is fully disengaged before driving; failure to do so can lead to brake failure and a collision.

(Continued)

WARNING! (Continued)

- Always fully apply the parking brake when leaving your vehicle or it may roll and cause damage or injury. Also, be certain to leave a manual transmission in REVERSE or first gear. Failure to do so may cause 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.

SPORT MODE

Manual Transmission – If Equipped

The Sport mode increases steering feedback to the driver with slight increases in effort and throttle pedal to engine response. This driving mode is useful while driving on twisty roads where more steering precision is desired in spirited cornering.

1. To activate the Sport mode, press the “SPORT” button.



SPORT Button

Once activated, a “SPORT” message will be displayed in the instrument cluster.

2. Momentarily release the accelerator pedal.
3. Press the accelerator pedal again to activate.

Automatic Transmission – If Equipped

The Sport mode increases steering feedback to the driver with slight increase in effort and changes the transmission shift schedules for more aggressive shifting. This driving mode is useful while driving on twisty roads where more steering precision is desired in spirited cornering.

1. To activate the Sport mode, press the “SPORT” button.



SPORT Button

Once activated, a “SPORT” message will be displayed in the instrument cluster.

2. Press the “SPORT” button again to return to the standard driving mode.

BRAKE SYSTEM

In the event power assist is lost for any reason (for example, repeated brake applications with the engine off), the brakes will still function. The effort required to brake the vehicle will be significantly more than that required with the power system operating.

If either the front or rear hydraulic system loses normal capability, the remaining system will still function with some loss of braking effectiveness. This will be evident by increased pedal travel during application, greater pedal force required to slow or stop, and activation of the "Brake Warning Light" and the "ABS Warning Light" during brake use.

Four-Wheel Anti-Lock Brake System (ABS)

The Four-Wheel ABS is designed to aid the driver in maintaining vehicle control under adverse braking conditions. The system operates with a separate computer to modulate hydraulic pressure, to prevent wheel lock-up and help avoid skidding on slippery surfaces.

The system's pump motor runs during an ABS stop to provide regulated hydraulic pressure. The pump motor makes a low humming noise during operation, which is normal.

The ABS includes an amber "ABS Warning Light." When the light is illuminated, the ABS is not functioning. The system reverts to standard non-anti-lock brakes. Turning the ignition OFF and ON again may reset the ABS if the fault detected was only momentary.

WARNING!

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.

WARNING!

- The Anti-Lock Brake System (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.

(Continued)

WARNING! (Continued)

- 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, which could jeopardize the user's safety or the safety of others.

When you are in a severe braking condition involving use of the ABS, you will experience some pedal drop as the vehicle comes to a stop. This is the result of the system reverting to the base brake system.

Engagement of the ABS may be accompanied by a pulsing sensation. You may also hear a clicking noise. These occurrences are normal, and indicate that the system is functioning properly.

ELECTRONIC BRAKE CONTROL SYSTEM

Your vehicle is equipped with a advanced electronic brake control system that includes Anti-Lock Brake System (ABS), Brake Assist System (BAS), Traction Control System (TCS), Hill Start Assist (HSA), and Electronic Stability Control (ESC). All systems work together to enhance vehicle stability and control in various driving conditions and are commonly referred to as ESC.

Anti-Lock Brake System (ABS)

This system aids the driver in maintaining vehicle control under adverse braking conditions. The system controls hydraulic brake pressure to prevent wheel lockup and help avoid skidding on slippery surfaces during braking. Refer to "Anti-Lock Brake System" in "Starting and Operating" for further information.

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.**

(Continued)

WARNING! (Continued)

- **The 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.**

Traction Control System (TCS)

This system monitors the amount of wheel spin of each of the driven wheels. If wheel spin is detected, brake pressure is applied to the slipping wheel(s) and engine power is reduced to provide enhanced acceleration and stability. A feature of the TCS system 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. This feature remains active even if TCS and ESC are in the "Partial Off" mode. Refer to "Electronic Stability Control (ESC)" in this section for further information.

Hill Start Assist (HSA)

The HSA system is designed to assist the driver when starting a vehicle from a stop on a hill. HSA will maintain the level of brake pressure the driver applied for a short period of time after the driver takes their foot off of the brake pedal. If the driver does not apply the throttle during this short period of time, the system will release brake pressure and the vehicle will roll down the hill. The system will release brake pressure in proportion to amount of throttle applied as the vehicle starts to move in the intended direction of travel.

HSA Activation Criteria

The following criteria must be met in order for HSA to activate:

- Vehicle must be stopped.
- Vehicle must be on a 2.5% (manual transmission) or 7% grade or greater (automatic transmission) hill.
- Gear selection matches vehicle uphill direction (i.e., vehicle in NEUTRAL (manual transmission), vehicle facing uphill is in forward gear; vehicle backing uphill is in REVERSE gear).

WARNING!

There may be situations on minor hills (i.e., less than 8%), with a loaded vehicle, or while pulling a trailer, when the system will not activate and slight rolling may occur. This could cause a collision with another vehicle or object. Always remember the driver is responsible for braking the vehicle.

Disabling/Enabling HSA

If you wish to turn on or off the HSA system, it can be done using the Customer Programmable Features in the Electronic Vehicle Information Center (EVIC). Refer to "Electronic Vehicle Information Center (EVIC)" in "Understanding Your Instrument Panel" for further information.

Electronic Stability Control (ESC)

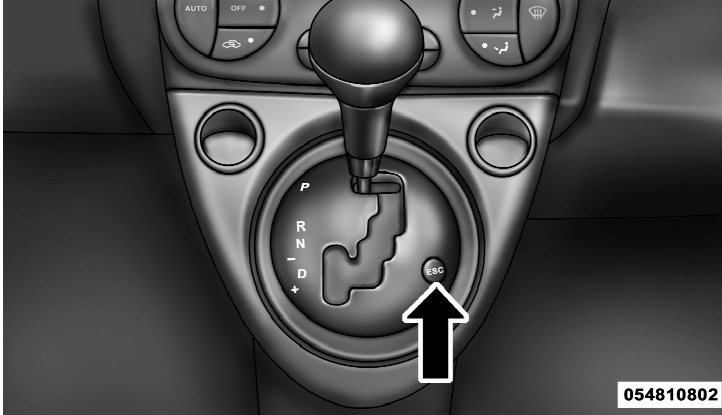
This system enhances directional control and stability of the vehicle under various driving conditions. ESC corrects for over-steering or under-steering of the vehicle by applying the brake of the appropriate wheel to assist in counteracting the over-steering or under-steering condition. Engine power 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 over-steer or under-steer condition.

- Over-steer - when the vehicle is turning more than appropriate for the steering wheel position.
- Under-steer - when the vehicle is turning less than appropriate for the steering wheel position.



ESC Off Switch (Manual Transmission)

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ESC Off Switch (Automatic Transmission)

ESC Operating Modes

The ESC system has two available operating modes.

Full On

This is the normal operating mode for ESC. Whenever the vehicle is started the ESC system will be in this "On"

mode. This mode should be used for most driving situations. ESC should only be turned to "Partial Off" for specific reasons as noted below.

Partial Off

This mode is entered by momentarily pressing the "ESC Off" switch. This mode is intended to be used if the vehicle is in deep snow, sand or gravel conditions and more wheel spin than ESC would normally allow is required to gain traction.

To turn ESC on again, momentarily press the "ESC Off" switch. This will restore the normal "ESC On" mode of operation.

NOTE: To improve the vehicle's traction when driving with snow chains, or starting off in deep snow, sand or gravel, it may be desirable to switch to the "Partial Off" mode by pressing the "ESC Off" switch. Once the situation requiring ESC to be switched to the "Partial Off"

mode is overcome, turn ESC back on by momentarily pressing the "ESC Off" switch. This may be done while the vehicle is in motion.

WARNING!

The Electronic Stability Control (ESC) cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase the traction afforded by prevailing road conditions. ESC cannot prevent accidents, including those resulting from excessive speed in turns, driving on very slippery surfaces, or hydroplaning. Only a safe, attentive, and skillful driver can prevent accidents. The capabilities of an ESC equipped vehicle must never be exploited in a reckless or dangerous manner which could jeopardize the user's safety or the safety of others.

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 MAR (ACC/ON/RUN) position for four seconds. 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.

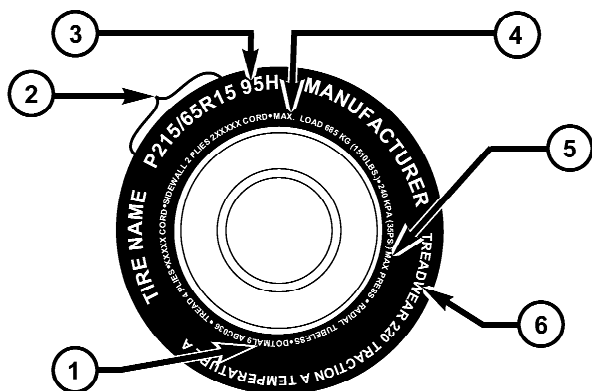
- Each time the ignition is turned ON, the ESC system will be ON even if it was turned off previously.

**ESC
OFF**

The “ESC OFF Indicator Light” indicates the Electronic Stability Control (ESC) is off.

TIRE SAFETY INFORMATION

Tire Markings



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- | | |
|--|--|
| 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 high-pressure compact spares designed for temporary emergency use only. Tires designed to this standard 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:
Size Designation:
P = Passenger car tire size based on U.S. design standards "...blank..." = Passenger car tire based on European design standards LT = Light truck tire based on U.S. design standards T or S = Temporary spare tire 31 = Overall diameter in inches (in)
215 = Section width in millimeters (mm)
65 = Aspect ratio in percent (%) — Ratio of section height to section width of tire 10.5 = Section width in inches (in)
R = Construction code — "R" means radial construction — "D" means diagonal or bias construction
15 = 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:
"...blank..." = Absence of any text on the sidewall of the tire indicates a Standard Load (SL) tire
Extra Load (XL) = Extra load (or reinforced) tire
Light Load = Light load tire
C, D, E = 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

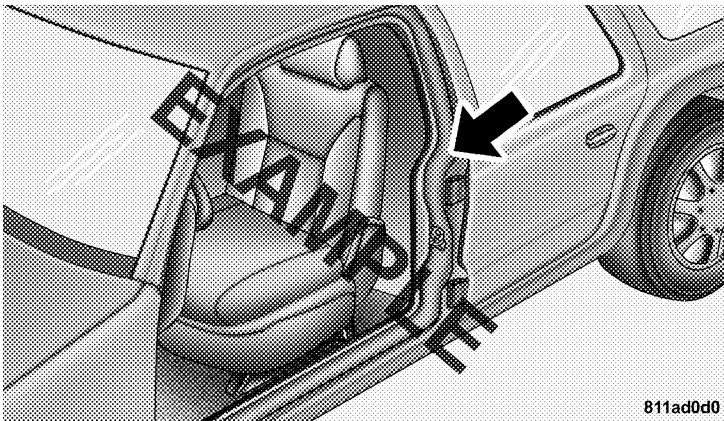
Tire Terminology and Definitions

Term	Definition
B-Pillar	The vehicle B-Pillar is a structural member of the body located between the front and rear door (of a four-door vehicle) running from the sill to the roof.
Cold Tire Pressure	Cold tire inflation pressure is defined as the tire pressure after the vehicle has not been driven for at least 3 hours, or driven less than 1 mile (1.6 km) after sitting for a three hour period. 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 max inflation pressure is molded into the sidewall.
Recommended Inflation Pressure	Vehicle manufacturer's recommended tire inflation pressure as shown on the tire placard.
Tire Placard	A paper label permanently attached to the vehicle showing the vehicle's loading capacity, the original equipment tire size and the recommended inflation pressure.

Tire Loading And Tire Pressure

Tire Placard Location

NOTE: The proper cold tire inflation pressure is listed on the driver's side B-Pillar.



Tire Placard Location

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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 and in the "Vehicle Loading" 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 this section.

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 (295 kg) (since $5 \times 150 = 750$, and $1400 - 750 = 650$ lbs [295 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.

6. If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

NOTE:

- 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	Occupant 1: 200 lbs Occupant 2: 130 lbs Occupant 3: 160 lbs Occupant 4: 100 lbs Occupant 5: 80 lbs TOTAL WEIGHT: 670 lbs	=	195 lbs
5	2	3					
EXAMPLE 2			865 lbs	minus	Occupant 1: 210 lbs Occupant 2: 180 lbs Occupant 3: 150 lbs TOTAL WEIGHT: 540 lbs	=	325 lbs
3	2	1					
EXAMPLE 3			865 lbs	minus	Occupant 1: 200 lbs Occupant 2: 200 lbs TOTAL WEIGHT: 400 lbs	=	465 lbs
2	2	0					

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. Three primary areas are affected by improper tire pressure:

Safety

WARNING!

- Improperly inflated tires are dangerous and can cause accidents.
- Under-inflation increases tire flexing and can result in over-heating and tire failure.
- Over-inflation reduces a tire's ability to cushion shock. Objects on the road and chuckholes can cause damage that result in tire failure.

(Continued)

WARNING! (Continued)

- Unequal tire pressures can cause steering problems. You could lose control of your vehicle.
- Over-inflated or under-inflated tires can affect vehicle handling and can fail suddenly, resulting in loss of vehicle control.
- 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.

Economy

Improper inflation pressures can cause uneven wear patterns to develop across the tire tread. These abnormal wear patterns will reduce tread life resulting in a need for earlier tire replacement. Under-inflation also increases tire rolling resistance and results in higher fuel consumption.

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.

Some vehicles may have Supplemental Tire Pressure Information for vehicle loads that are less than the maximum loaded vehicle condition. These pressure conditions will be found in the "Supplemental Tire Pressure Information" section of this manual.

The pressure should be checked and adjusted as well as inspecting for signs of tire wear or visible damage at least once a month. Use a good quality pocket-type gauge to check tire pressure. Do not make a visual judgement when determining proper inflation. Radial tires may look properly inflated even when they are under-inflated.

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 a three hour period. 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 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 original equipment or an authorized tire 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 accident. 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 an accident. Always use radial ply tires in sets of four. Never combine them with other types of tires.

Cuts and punctures in radial tires are repairable only in the tread area because of sidewall flexing. Consult your authorized tire dealer for radial tire repairs.

Compact Spare Tire

The compact spare is for temporary emergency use with radial tires. It is engineered to be used on your style vehicle only. Since this tire has limited tread life, the original tire should be repaired (or replaced) and reinstalled at the first opportunity.

WARNING!

- Temporary use spare tires are for emergency use only. With these tires, do not drive more than 50 mph (80 km/h).
- Temporary use spare tires have limited tread life. When the tread is worn to the tread wear indicators, the temporary use spare tire needs to be replaced.
- Be sure to follow the warnings which apply to your spare. Failure to do so could result in spare tire failure and loss of vehicle control.

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.

Do not install more than one compact spare tire/wheel on the vehicle at any given time.

CAUTION!

Because of the reduced ground clearance, do not take your vehicle through an automatic car wash with the compact spare installed. Damage to the vehicle may result.

Tire Spinning

When stuck in mud, sand, snow, or ice conditions, do not spin your vehicle's wheels faster than 30 mph (48 km/h) or for longer than 30 seconds continuously without stopping when you are stuck.

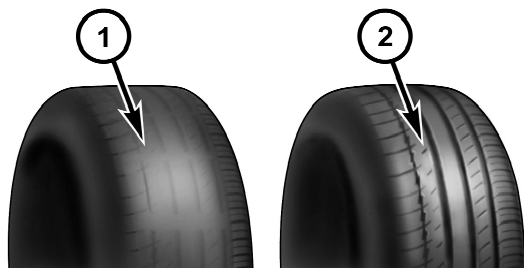
Refer to "Freeing A Stuck Vehicle" in "What To Do In Emergencies" for further information.

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) or 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.



055007576

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 1/16 in (2 mm). When the tread is worn to the tread wear indicators, the tire should be replaced.

Life Of Tire

The service life of a tire is dependent upon varying factors including, but not limited to:

- Driving style
- Tire pressure
- Distance driven

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 an accident 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 pressure. 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 Indicators"). Refer to the "Tire and Loading Information" placard for the size designation of your tire. The service description and load identification will be found on the original equipment tire. Failure to use equivalent replacement tires may adversely affect the safety, handling, and ride of your vehicle. We recommend that you contact your original equipment or an authorized tire dealer with any questions you may have on tire specifications or capability.

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, resulting 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 an accident 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 an accident.

(Continued)

WARNING! (Continued)

- 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

Use only compact chains, or other traction aids that meet SAE type "Class S" specifications. Chains must be the proper size for the vehicle, as recommended by the chain manufacturer.

NOTE: Do not use tire chains on a compact spare tire.

CAUTION!

To avoid damage to your vehicle or tires, observe the following precautions:

- Use Security Chain Co. (SCC) SCC Z6 low profile or equivalent chains on 185/55R15 tires only.

(Continued)

CAUTION! (Continued)

- Because of restricted chain clearance between tires and other suspension components, it is important that only chains in good condition are used. Broken chains can cause serious damage. Stop the vehicle immediately if noise occurs that could indicate chain breakage. Remove the damaged parts of the chain before further use.
- Do not exceed 45 mph (70 km/h).
- Drive cautiously and avoid severe turns and large bumps, especially with a loaded vehicle.
- Install chains on the front wheels as tightly as possible and then retighten after driving about 0.5 mile (0.8 km).
- Do not drive for prolonged periods of time on dry pavement.

(Continued)

CAUTION! (Continued)

- Observe the tire chain manufacturer's instructions on the method of installation, operating speed, and conditions for use. Always use the lower suggested operating speed of the chain manufacturer, if different from the speed recommended by the vehicle manufacturer.

Always use the lower suggested operating speed if the chain manufacturer and vehicle manufacturer suggest different maximum speeds. This notice applies to all chain traction devices, including link and cable (radial) chains.

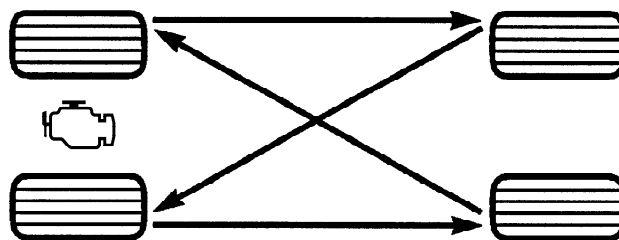
TIRE ROTATION RECOMMENDATIONS

The tires on the front and rear of your vehicle operate at different loads and perform different steering, driving, and braking functions. For these reasons, they wear at unequal rates and tend to develop irregular wear patterns.

These effects can be reduced by timely rotation of tires. The benefits of rotation are especially worthwhile with aggressive tread designs such as those on all season type tires. Rotation will increase tread life, help to maintain mud, snow and wet traction levels, and contribute to a smooth, quiet ride.

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.

The suggested rotation method is shown in the following diagram.



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Tire Rotation

TIRE PRESSURE MONITORING SYSTEM (TPMS)

The Tire Pressure Monitor System (TPMS) will warn the driver of a low tire pressure based on the vehicle recommended cold placard pressure.

The tire pressure will vary with temperature by about 1 psi (6.9 kPa) for every 12°F (-11°C). This means that when the outside temperature decreases, the tire pressure will decrease. Tire pressure should always be set based on “cold inflation tire pressure”. This is defined as the tire pressure after the vehicle has not been driven for at least three hours, or driven less than 1 mile (1.6 km) after a three hour period. The cold tire inflation pressure must not exceed the maximum inflation pressure molded into the tire sidewall. 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 limit 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 the recommended cold placard pressure. Once the low tire pressure warning (Tire Pressure Monitoring Telltale Light) illuminates, you must increase the tire pressure to the recommended cold placard pressure in order for the Tire Pressure Monitoring Telltale Light to turn off. The system will automatically update and the Tire Pressure Monitoring Telltale Light will turn off once the system receives the updated tire pressures. The vehicle may need to be driven for up to 20 minutes above 15 mph (24 km/h) in order for the TPMS to receive this information.

For example, your vehicle may have a recommended cold (parked for more than three hours) placard pressure of 30 psi (207 kPa). If the ambient temperature is 68°F (20°C) and the measured tire pressure is 27 psi (186 kPa), a temperature drop to 20°F (-7°C) will decrease the tire pressure to approximately 26 psi (179 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 27 psi (186 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 are inflated to the vehicle’s recommended cold placard pressure value.

CAUTION!

- The TPMS has been optimized for the original equipment tires and wheels. TPMS pressures and warnings 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. Do not use aftermarket tire sealants or balance beads if your vehicle is equipped with a TPMS, as damage to the sensors may result.
- 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 Tire Pressure Monitoring 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.

Base System

This is the TPMS warning indicator located in the instrument cluster.

The TPMS uses wireless technology with wheel rim mounted electronic sensors to monitor tire pressure levels. Sensors, mounted to each wheel as part of the valve stem, transmit tire pressure readings to the Receiver Module.

NOTE: It is particularly important for you to check the tire pressure in all of the tires on your vehicle regularly and to maintain the proper pressure.

The TPMS consists of the following components:

- Receiver Module
- Four Tire Pressure Monitoring Sensors
- Tire Pressure Monitoring Telltale Light

Tire Pressure Monitoring Low Pressure Warnings

The Tire Pressure Monitoring Telltale Light will illuminate in the instrument cluster, an audible chime will be activated, and the "Check Tire Pressure" text message will display when one or more of the four active road tire pressures are low. Should this occur, you should stop as soon as possible, check the inflation pressure of each tire on your vehicle, and inflate each tire to the vehicle's recommended cold placard pressure value. The system will automatically update and the Tire Pressure Monitoring Light will extinguish once the updated tire pressures

have been received. The vehicle may need to be driven for up to 20 minutes above 15 mph (24 km/h) to receive this information.

Check TPMS Warnings

The Tire Pressure Monitoring Telltale Light will flash on and off for 75 seconds and remain on solid when a system fault is detected, and the "Tire Pressure Monitoring Unavailable" text message will display. If the ignition key is cycled, this sequence will repeat providing the system fault still exists. The Tire Pressure Monitoring Telltale Light will turn off when the fault condition no longer exists. A system fault can occur with any of the following scenarios:

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. 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: Your vehicle is equipped with a compact spare wheel and tire assembly.

- 1. The compact spare tire does not have a tire pressure monitoring sensor. Therefore, the TPMS will not monitor the tire pressure in the compact spare tire.
- 2. If you install the compact spare tire in place of a road tire that has a pressure below the low-pressure warning limit, upon the next ignition key cycle, a chime will sound and the Tire Pressure Monitoring Telltale Light will still turn ON due to the low tire.

3. However, after driving the vehicle for up to 20 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.

4. For each subsequent ignition key cycle, a chime will sound and the Tire Pressure Monitoring Telltale Light will flash on and off for 75 seconds and then remain on solid.

5. Once you repair or replace the original road tire and reinstall it on the vehicle in place of the compact spare tire, the TPMS will update automatically and the Tire Pressure Monitoring Telltale Light will turn OFF, as long as no tire pressure is below the low-pressure warning limit in any of the four active road tires. The vehicle may need to be driven for up to 20 minutes above 15 mph (24 km/h) in order for the TPMS to receive this information.

General Information

This device complies with Part 15 of the FCC rules and RSS 210 of Industry Canada. Operation is subject to the following conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

The tire pressure sensors are covered under one of the following licenses:

United States	KR5S120123
Canada	2671-S120123

FUEL REQUIREMENTS



Your vehicle is designed to meet all emission regulations and provide satisfactory fuel economy and performance when using high-quality unleaded gasoline having an octane range of 87 to 91. The manufacturer recommends the use of 91 octane or higher 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 (with the appropriate octane rating for your engine) before considering service for the 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 manufacturer supports the use of reformulated gasoline. Properly blended reformulated gasoline will provide excellent performance and durability of engine and fuel system components.

Gasoline/Oxygenate Blends

Some fuel suppliers blend unleaded gasoline with oxygenates such as 10% ethanol, MTBE, and ETBE. Oxygenates are required in some areas of the country during the winter months to reduce carbon monoxide emissions. Fuels blended with these oxygenates may be used in your vehicle.

CAUTION!

Do not use gasoline containing Methanol or E-85 Ethanol. Use of these blends may result in starting and driveability problems and may damage critical fuel system components.

Problems that result from using methanol/gasoline blends are not the responsibility of the manufacturer. While MTBE is an oxygenate made from Methanol, it does not have the negative effects of Methanol.

E-85 Usage In Non-Flex Fuel Vehicles

Non-FFV vehicles are compatible with gasoline containing 10% ethanol (E10). Gasoline with higher ethanol content may void the vehicle's 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 "check engine light" on
- poor engine performance
- poor cold start and cold driveability
- increased risk for fuel system component corrosion

To recover from a Non-FFV vehicle inadvertently fueled once with E-85 perform the following:

- drain the fuel tank
- change the engine oil
- replace the fuel filter and oil filter
- disconnect the battery to reset the engine controller long term adaptive memory

More extensive repairs will be required for prolonged exposure to E-85 fuel.

MMT In Gasoline

MMT is a manganese containing metallic additive that is blended into some gasoline to increase the octane number. Gasoline blended with MMT offers no performance advantage beyond gasoline of the same octane number without MMT. Gasoline blended with MMT have been shown to reduce spark plug life and reduce emission system performance in some vehicles. The manufacturer recommends using gasoline without MMT. Since the MMT content of gasoline may not be indicated on the pump, you should ask your gasoline retailer whether or not their gasoline contains MMT.

It is even more important to look for gasoline without MMT in Canada, because MMT can be used at levels higher than those allowed in the United States.

MMT is prohibited in Federal and California reformulated gasoline.

Materials Added To Fuel

All gasoline sold in the United States is required to contain effective detergent additives. Use of additional detergents or other additives is not needed under normal conditions and would result in additional cost. Therefore you should not have to add anything to the fuel.

Fuel System Cautions

CAUTION!

Follow these guidelines to maintain your vehicle's performance:

- The use of leaded gas is prohibited by Federal law. Using leaded gasoline can impair engine performance and damage the emission control system.

(Continued)

CAUTION! (Continued)

- An out-of-tune engine, or certain fuel or ignition malfunctions, can cause the catalytic converter to overheat. If you notice a pungent burning odor or some light smoke, your engine may be out of tune or malfunctioning and may require immediate service. Contact your authorized dealer for service assistance.
- The use of fuel additives, which are now being sold as octane enhancers, is not recommended. Most of these products contain high concentrations of Methanol. Fuel system damage or vehicle performance problems resulting from the use of such fuels or additives is not the responsibility of the manufacturer.

NOTE: Intentional tampering with emissions control systems can result in civil penalties being assessed against you.

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 of time. 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.

(Continued)

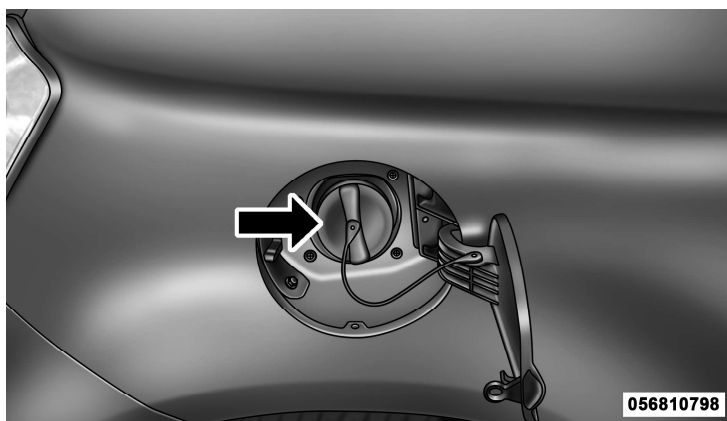
WARNING! (Continued)

- 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.
- Keep the liftgate closed when driving your vehicle to prevent carbon monoxide and other poisonous exhaust gases from entering the vehicle.

ADDING FUEL

Fuel Filler Cap (Gas Cap)

The gas cap is located on the passenger side of the vehicle. If the gas cap is lost or damaged, be sure the replacement cap is the correct one for this vehicle.



Fuel Filler Cap

CAUTION!

- Damage to the fuel system or emission control system could result from using an improper fuel cap (gas cap). A poorly fitting cap could let impurities into the fuel system. Also, a poorly fitting aftermarket cap can cause the "Malfunction Indicator Light (MIL)" to illuminate, due to fuel vapors escaping from the system.
- 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 gas cap is removed or the tank is being filled.

(Continued)

WARNING! (Continued)

- Never add fuel when the engine is running. This is in violation of most state and federal fire regulations and may cause the MIL to turn on.
- A fire may result if gasoline is pumped into a portable container that is inside of a vehicle. You could be burned. Always place gas containers on the ground while filling.

NOTE:

- When the fuel nozzle "clicks" or shuts off, the fuel tank is full.
- Tighten the gas cap about 1/4 turn until you hear one click. This is an indication that the cap is properly tightened.
- If the gas cap is not tightened properly, the MIL will come on. Be sure the gas cap is tightened every time the vehicle is refueled.

Loose Fuel Filler Cap Message

After fuel has been added, the vehicle diagnostic system can determine if the fuel filler cap is possibly loose, improperly installed, or damaged. If the system detects a malfunction, the "gASCAP" message will display in the odometer display. Tighten the gas cap until a "clicking" sound is heard. This is an indication that the gas cap is properly tightened. Press the odometer reset button to turn the message off. If the problem persists, the message will appear the next time the vehicle is started. This might indicate a damaged cap. If the problem is detected twice in a row, the system will turn on the MIL. Resolving the problem will turn the MIL off.

TRAILER TOWING

Trailer towing with this vehicle is not recommended.

RECREATIONAL TOWING (BEHIND MOTORHOME, ETC.)**Towing This Vehicle Behind Another Vehicle**

Towing Condition	Wheels OFF the Ground	Manual Transmission	Automatic Transmission
Flat Tow	NONE	<ul style="list-style-type: none"> • Transmission in NEUTRAL • Key in MAR (ACC/ON/RUN) 	NO
Dolly Tow	Front	NO	OK
	Rear	NO	NO
On Trailer	ALL	OK	OK

NOTE: Vehicles equipped with manual transmissions may be recreationally towed (flat towed) at any legal highway speed, for any distance, if the manual transmission is in NEUTRAL and the ignition key is in the MAR (ACC/ON/RUN) position.

CAUTION!

- Do not flat tow any vehicle equipped with a automatic transmission. Damage to the drivetrain will result. If these vehicles require towing, make sure all drive wheels are OFF the ground.
- Front or rear wheel lifts should not be used. Internal damage to the transmission will occur if a front or rear wheel lift is used when recreational towing.


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.

NOTE: This vehicle may be towed on a flatbed or vehicle trailer provided all four wheels are OFF the ground.

HAZARD WARNING FLASHERS

The Hazard Warning flasher switch is located on the instrument panel below the radio.

 Press the switch to turn on the Hazard Warning flashers. When the switch is activated, all directional turn signals will flash on and off to warn oncoming traffic of an emergency. Press the switch a second time to turn off the Hazard Warning flashers.

Do not use this emergency warning system when the vehicle is in motion. Use it when your vehicle is disabled and it is creating a safety hazard for other motorists.

If it is necessary to leave the vehicle to go for service, the Hazard Warning flashers will continue to operate with the ignition key removed and the vehicle locked.

NOTE: With extended use, the Hazard Warning flashers may wear down your 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 engine idle speed.

NOTE: There are steps that you can take to slow down an impending overheating 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.

CAUTION!

Driving with a hot cooling system could damage your vehicle. If the pointer rises to the H (red) mark, the instrument cluster will sound a chime. When safe, pull over and stop the vehicle with the engine at idle. Turn off the air conditioning and wait until the pointer drops back into the normal range. If the pointer remains on the H (red) mark for more than a minute, turn the engine off immediately and call for service.

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.

TIREFIT KIT — IF EQUIPPED

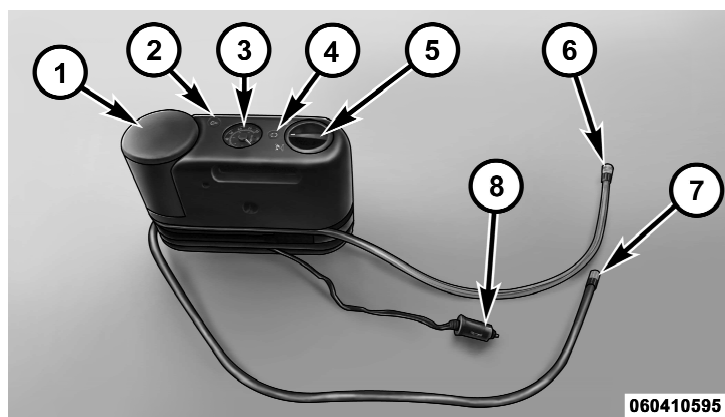
Small punctures up to ¼ in (6 mm) in the tire tread can be sealed with TIREFIT. Foreign objects (e.g., screws or nails) should not be removed from the tire. TIREFIT can be used in outside temperatures down to approximately -4°F (-20°C).

This kit will provide a temporary tire seal, allowing you to drive your vehicle up to 100 miles (160 km) with a maximum speed of 55 mph (88 km/h).

TIREFIT Storage

The TIREFIT kit is located under the front driver seat.

TIREFIT Kit Components And Operation



1. Sealant Bottle
2. Deflation Button
3. Pressure Gauge
4. Power Button

2

5. Mode Select Knob
6. Sealant Hose (Clear)
7. Air Pump Hose (Black)
8. Power Plug

Using The Mode Select Knob And Hoses

Your TIREFIT kit may be equipped with either of the following symbols to indicate the air or sealant mode.

Selecting Air Mode



Turn the Mode Select Knob (5) to this position for air pump operation only. Use the Black Air Pump Hose (7) when selecting this mode.

Selecting Sealant Mode



Turn the Mode Select Knob (5) to this position to inject the TIREFIT Sealant and to inflate the tire. Use the Sealant Hose (clear hose) (6) when selecting this mode.

Using The Power Button



Push and release the Power Button (4) once to turn On the TIREFIT kit. Push and release the Power Button (4) again to turn Off the TIREFIT kit.

Using The Deflation Button



Press the Deflation Button (2) to reduce the air pressure in the tire if it becomes over-inflated.

TIREFIT Usage Precautions

- Replace the TIREFIT Sealant Bottle (1) and Sealant Hose (6) prior to the expiration date (printed on the bottle label) to assure optimum operation of the system. Refer to “Sealing a Tire with TIREFIT” section (F) “Sealant Bottle and Hose Replacement”.
- The Sealant Bottle (1) and Sealant Hose (6) are a one tire application use. After each use, always replace these components immediately at an authorized dealer.
- When the TIREFIT sealant is in a liquid form, clean water, and a damp cloth will remove the material from the vehicle or tire and wheel components. Once the sealant dries, it can easily be peeled off and properly discarded.
- For optimum performance, make sure the valve stem on the wheel is free of debris before connecting the TIREFIT kit.
- You can use the TIREFIT air pump to inflate bicycle tires. The kit also comes with two needles, located in the Accessory Storage Compartment (on the bottom of the air pump) for inflating sport balls, rafts, or similar inflatable items. However, use only the Air Pump Hose (7) and make sure the Mode Select Knob (5) is in the Air Mode when inflating such items to avoid injecting sealant into them. The TIREFIT Sealant is only intended to seal punctures less than ¼ in (6 mm) diameter in the tread of your vehicle.
- Do not lift or carry the TIREFIT kit by the hoses.

WARNING!

- Do not attempt to seal a tire on the side of the vehicle closest to traffic. Pull far enough off the road to avoid the danger of being hit when using the TIREFIT kit.
- Do not use TIREFIT or drive the vehicle under the following circumstances:
 - If the cut or puncture in the tire tread is approximately 0.24 in. (6 mm) or larger.
 - If the tire has any sidewall damage.
 - If the tire has any damage from driving with extremely low tire pressure.
 - If the tire has any damage from driving on a flat tire.
 - If the wheel has any damage.

(Continued)

WARNING! (Continued)

- If you are unsure of the condition of the tire or the wheel.
- Keep TIREFIT away from open flames or heat source.
- A loose TIREFIT kit thrown forward in a collision or hard stop could endanger the occupants of the vehicle. Always stow the TIREFIT kit in the place provided. Failure to follow these warnings can result in injuries that are serious or fatal to you, your passengers, and others around you.

(Continued)

WARNING! (Continued)

- Take care not to allow the contents of TIREFIT to come in contact with hair, eyes, or clothing. TIREFIT is harmful if inhaled, swallowed, or absorbed through the skin. It causes skin, eye, and respiratory irritation. Flush immediately with plenty of water if there is any contact with eyes or skin. Change clothing as soon as possible, if there is any contact with clothing.
- TIREFIT Sealant solution contains latex. In case of an allergic reaction or rash, consult a physician immediately. Keep TIREFIT out of reach of children. If swallowed, rinse mouth immediately with plenty of water and drink plenty of water. Do not induce vomiting! Consult a physician immediately.

*(Continued)***WARNING! (Continued)**

- Use the gloves provided in the Accessory Storage Compartment (located on the bottom of the air pump) when operating the TIREFIT kit.

Sealing A Tire With TIREFIT**(A) Whenever You Stop To Use TIREFIT:**

1. Pull over to a safe location and turn on the vehicle's Hazard Warning flashers.
2. Verify that the valve stem (on the wheel with the deflated tire) is in a position that is near to the ground. This will allow the TIREFIT Hoses (6) and (7) to reach the valve stem and keep the TIREFIT kit flat on the ground. This will provide the best positioning of the kit when injecting the sealant into the deflated tire and running the air pump. Move the vehicle as necessary to place the valve stem in this position before proceeding.

3. Place the transmission in PARK (auto transmission) or in Gear (manual transmission) and turn Off the ignition.
4. Set the parking brake.

(B) Setting Up To Use TIREFIT:

1. Remove the gloves from the Accessory Storage Compartment (located on the bottom of the air pump) and place them on your hands.
2. Turn the Mode Select Knob (5) to the Sealant Mode position.
3. Uncoil the Sealant Hose (6) and then remove the cap from the fitting at the end of the hose.
4. Place the TIREFIT kit flat on the ground next to the deflated tire.
5. Remove the cap from the valve stem and then screw the fitting at the end of the Sealant Hose (6) onto the valve stem.

6. Uncoil the Power Plug (8) and insert the plug into the vehicle's 12 Volt power outlet.

NOTE: Do not remove foreign objects (e.g., screws or nails) from the tire.

(C) Injecting TIREFIT Sealant Into The Deflated Tire:

- Always start the engine before turning ON the TIREFIT kit.

NOTE: Manual transmission vehicles must have the parking brake engaged and the shift lever in NEUTRAL.

- After pressing the Power Button (4), the sealant (white fluid) will flow from the Sealant Bottle (1) through the Sealant Hose (6) and into the tire.

NOTE: Sealant may leak out through the puncture in the tire.

If the sealant (white fluid) does not flow within 0 – 10 seconds through the Sealant Hose (6):

1. Press the Power Button (4) to turn Off the TIREFIT kit. Disconnect the Sealant Hose (6) from the valve stem. Make sure the valve stem is free of debris. Reconnect the Sealant Hose (6) to the valve stem. Check that the Mode Select Knob (5) is in the Sealant Mode position and not Air Mode. Press the Power Button (4) to turn On the TIREFIT kit.
2. Connect the Power Plug (8) to a different 12 Volt power outlet in your vehicle or another vehicle, if available. Make sure the engine is running before turning ON the TIREFIT kit.
3. The Sealant Bottle (1) may be empty due to previous use. Call for assistance.

NOTE: If the Mode Select Knob (5) is on Air Mode and the pump is operating, air will dispense from the Air Pump Hose (7) only, not the Sealant Hose (6).

If the sealant (white fluid) does flow through the Sealant Hose (6):

1. Continue to operate the pump until sealant is no longer flowing through hose (typically takes 30 - 70 seconds). As the sealant flows through the Sealant Hose (6), the Pressure Gauge (3) can read as high as 70 psi (5 Bar). The Pressure Gauge (3) will decrease quickly from approximately 70 psi (5 Bar) to the actual tire pressure when the Sealant Bottle (1) is empty.
2. The pump will start to inject air into the tire immediately after the Sealant Bottle (1) is empty. Continue to operate the pump and inflate the tire to the pressure indicated on the tire pressure label on the driver-side latch pillar (recommended pressure). Check the tire pressure by looking at the Pressure Gauge (3).

If the tire does not inflate to at least 26 psi (1.8 Bar) pressure within 15 minutes:

- The tire is too badly damaged. Do not attempt to drive the vehicle further. Call for assistance.

NOTE: If the tire becomes over-inflated, press the Deflation Button to reduce the tire pressure to the recommended inflation pressure before continuing.

If the tire inflates to the recommended pressure or is at least 26 psi (1.8 Bar) pressure within 15 minutes:

1. Press the Power Button (4) to turn off the TIREFIT kit.
2. Remove the Speed Limit sticker from the top of the Sealant Bottle (1) and place the sticker on the instrument panel.
3. Immediately disconnect the Sealant Hose (6) from the valve stem, reinstall the cap on the fitting at the end of the

hose, and place the TIREFIT kit in the vehicle storage location. Quickly proceed to (D) "Drive Vehicle".

CAUTION!

- The metal end fitting from Power Plug (8) may get hot after use, so it should be handled carefully.
- Failure to reinstall the cap on the fitting at the end of the Sealant Hose (6) can result in sealant contacting your skin, clothing, and the vehicle's interior. It can also result in sealant contacting internal TIREFIT kit components which may cause permanent damage to the kit.

(D) Drive Vehicle:

Immediately after injecting sealant and inflating the tire, drive the vehicle 5 miles (8 km) or 10 minutes to ensure distribution of the TIREFIT Sealant within the tire. Do not exceed 55 mph (88 km/h).

WARNING!

TIREFIT is not a permanent flat tire repair. Have the tire inspected and repaired or replaced after using TIREFIT. Do not exceed 55 mph (88 km/h) until the tire is repaired or replaced. Failure to follow this warning can result in injuries that are serious or fatal to you, your passengers, and others around you.

(E) After Driving:

Pull over to a safe location. Refer to “Whenever You Stop to Use TIREFIT” before continuing.

1. Turn the Mode Select Knob (5) to the Air Mode position.
2. Uncoil the Air Pump Hose (7) and connect it to the valve stem.
3. Check the pressure in the tire by reading the Pressure Gauge (3).

If tire pressure is less than 19 psi (1.3 Bar), the tire is too badly damaged. Do not attempt to drive the vehicle further. Call for assistance.

If the tire pressure is 19 psi (1.3 bar) or higher:

1. Press the Power Button (4) to turn on TIREFIT and inflate the tire to the pressure indicated on the tire and loading information label on the driver-side door opening.

NOTE: If the air pump is equipped with a Deflation Button and the tire becomes over-inflated, press the Deflation Button to reduce the tire pressure to the recommended inflation pressure before continuing.

2. Disconnect the TIREFIT kit from the valve stem and reinstall the cap on the valve stem.
3. Place the TIREFIT kit in its proper storage area in the vehicle.

4. Have the tire inspected and repaired or replaced at the earliest opportunity at an authorized dealer or tire service center.

5. Replace the Sealant Bottle (1) and Sealant Hose (6) assembly at your authorized dealer as soon as possible. Refer to “(F) Sealant Bottle and Hose Replacement.”

NOTE: When having the tire serviced, advise the authorized dealer or service center that the tire has been sealed using the TIREFIT service kit.

(F) Sealant Bottle And Hose Replacement:

1. Uncoil the Sealant Hose (6).
2. Locate the round Sealant Bottle release button in the recessed area under the sealant bottle.
3. Press the Sealant Bottle release button. The Sealant Bottle (1) will pop up. Remove the bottle and dispose of it accordingly.

4. Clean any remaining sealant from the TIREFIT housing.

5. Position the new Sealant Bottle (1) in the housing so that the Sealant Hose (6) aligns with the hose slot in the front of the housing. Press the bottle into the housing. An audible click will be heard indicating the bottle is locked into place.

6. Verify that the cap is installed on the fitting at the end of the Sealant Hose (6) and return the hose to its storage area (located on the bottom of the air pump).

7. Return the TIREFIT kit to its storage location in the vehicle.

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.
- Never start or run the engine while the vehicle 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.

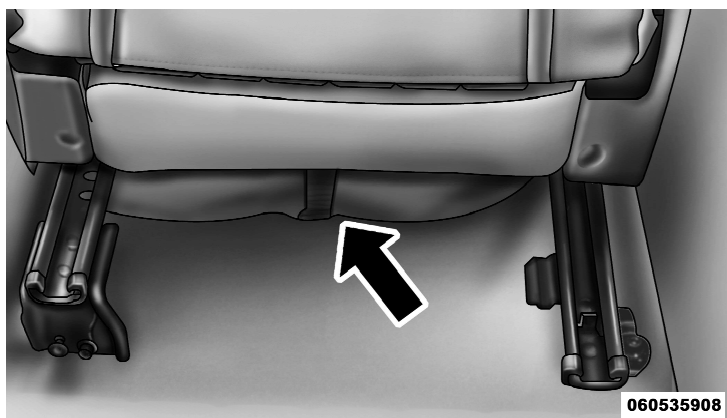
(Continued)

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 jack and jack-handle are stowed in a bag under the front driver's seat.

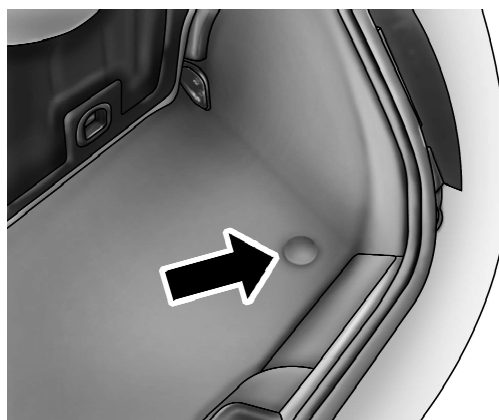


Jack Stowage

Spare Tire Removal

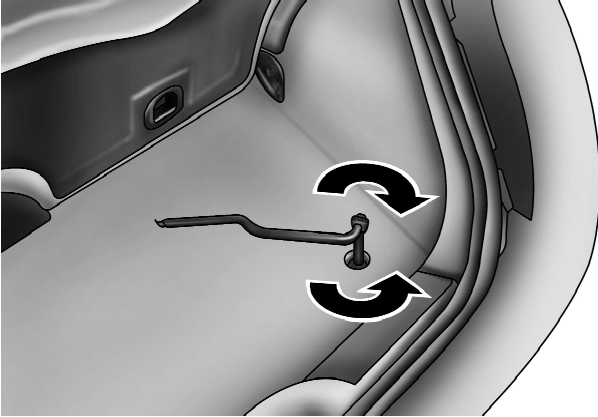
The spare tire is stowed to the underbody below the cargo area

1. Remove the plug located in the rear cargo area.



Winch Access Plug

2. Fit the wrench tool over the drive nut. Use the wrench to rotate the nut counterclockwise until the spare is on the ground with enough slack in the cable to allow you to pull the tire out from under the vehicle.



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Lowering/Raising Spare Tire

CAUTION!

The winch mechanism is designed for use with the jack wrench tool only. Use of an air wrench or other power tools is not recommended and they can damage the winch.

3. Pull the spare tire out from under the vehicle.

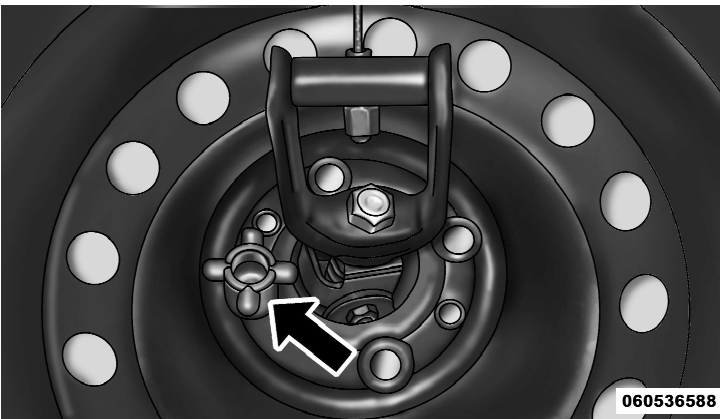


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Spare Tire

4. When the spare is clear, remove the knob or plastic molded nut by rotating it counter-clockwise.

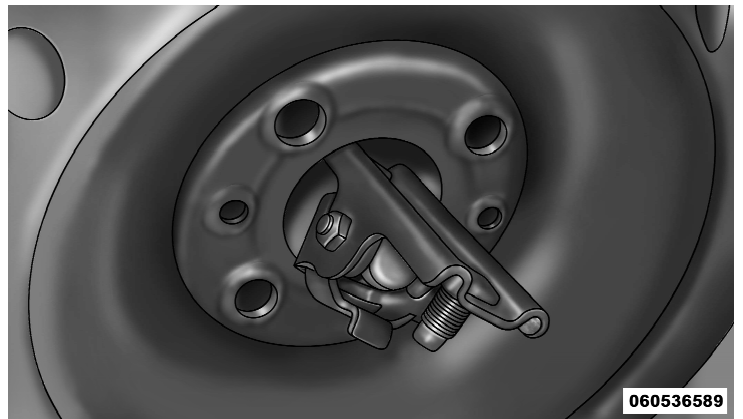
4



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Plastic Molded Nut

5. Tilt the retainer at the end of the cable and pull it through the center of the wheel.



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Retainer

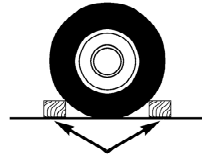
Preparations For Jacking

1. Park the vehicle on a firm level surface, avoiding ice or slippery areas.

WARNING!

Do not attempt to change a tire on the side of the vehicle close to moving traffic, pull far enough off the road to avoid the danger of being hit when operating the jack or changing the wheel.

2. Turn on the Hazard Warning flashers.
3. Set the parking brake.
4. Place the shift lever in PARK (automatic transmission) or REVERSE (manual transmission).
5. Turn Off the ignition.



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6. Block both the front and rear of the wheel diagonally opposite the jacking position. For example, if changing the right front tire, block the left rear wheel.

NOTE: Passengers should not remain in the vehicle while the vehicle is being jacked.

Jacking Instructions**WARNING!**

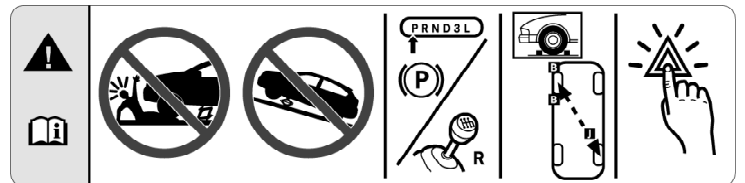
Carefully follow these tire changing warnings to help prevent personal injury or damage to your vehicle:

*(Continued)***WARNING! (Continued)**

- Always park on a firm, level surface as far from the edge of the roadway as possible before raising the vehicle.
- Turn on the Hazard Warning flashers.
- Block the wheel diagonally opposite the wheel to be raised.
- Set the parking brake firmly and set an automatic transmission in PARK; a manual transmission in REVERSE.
- Never start or run the engine with the vehicle on a jack.
- Do not let anyone sit in the vehicle when it is on a jack.
- Do not get under the vehicle when it is on a jack.
- Only use the jack in the positions indicated and for lifting this vehicle during a tire change.

*(Continued)***WARNING! (Continued)**

- 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.



Jack Warning Label

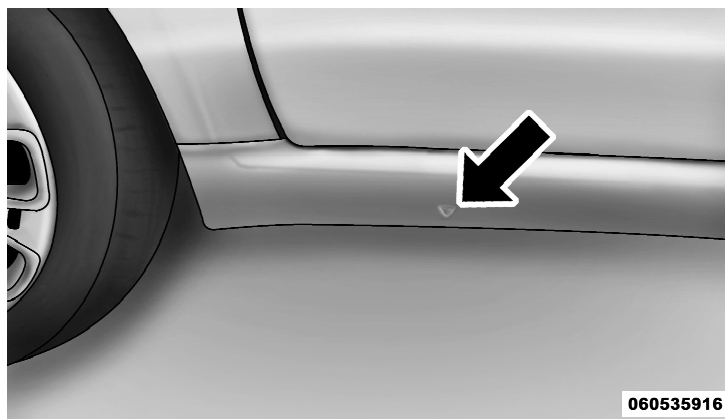
NOTE: Refer to the “Compact Spare Tire” section of the “Tires-General Information” under “Starting And Operating” for information about the spare tire, it’s use, and operation.

CAUTION!

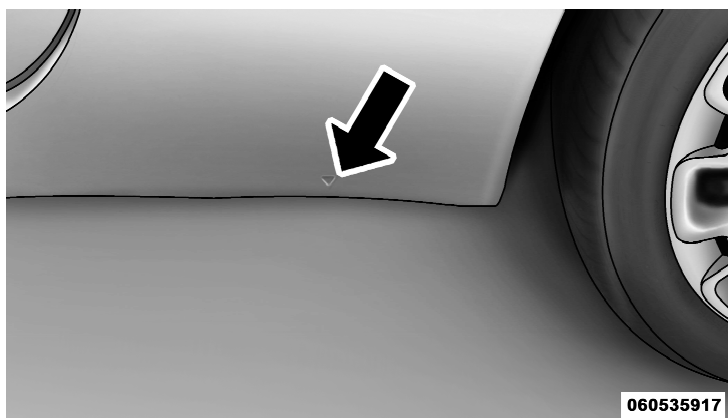
Do not attempt to raise the vehicle by jacking on locations other than those indicated in the Jacking Instructions for this vehicle.

1. Remove the scissors jack and tool bag from under the driver's seat.
2. Loosen, but do not remove, the wheel bolts by turning them to the left one turn while the wheel is still on the ground.

NOTE: There are front and rear jacking locations on each side of the body (as indicated by the triangular lift point symbol on the sill molding).



Front Jacking Location

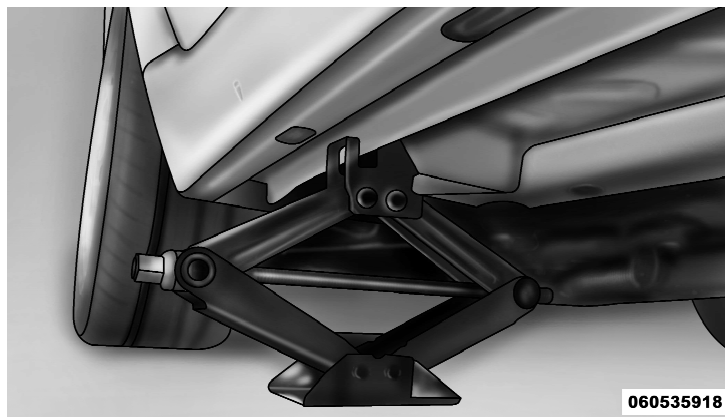


Rear Jacking Location

Do not raise the vehicle until you are sure the jack is securely engaged.

3. Turn the jack screw to the left until the jack can be placed under the jacking location. Once the jack is

positioned, turn the jack screw to the right until the jack head is properly engaged with the lift area closest to the wheel to be changed.



Jacking Location

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.

4. Using the swivel wrench, raise the vehicle by turning the jack screw to the right. 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.

5. Remove the wheel bolts and pull the wheel off the hub. For vehicles equipped with aluminum wheels, the center caps but be removed to remove the wheel bolts.

WARNING!

To avoid the risk of forcing the vehicle off the jack, do not fully tighten the wheel bolts until the vehicle has been lowered. Failure to follow this warning may result in personal injury.

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.

WARNING!

To avoid possible personal injury, handle the wheel covers with care to avoid contact with any sharp edges.

NOTE: The wheel cover is held on the wheel by the wheel bolts. When reinstalling the original wheel, properly align the wheel cover to the valve stem, place the wheel cover onto the wheel, then install the wheel bolts.

6. Install the spare wheel and wheel bolts with the cone shaped end of the bolts toward the wheel. Lightly tighten the bolts. To avoid the risk of forcing the vehicle off the jack, do not tighten the bolts fully until the vehicle has been lowered.

7. Lower the vehicle by turning the jack screw to the left.

8. Finish tightening the bolts. Push down on the wrench while tightening the wheel bolts. Alternate bolts until each bolt has been tightened twice. The correct wheel bolt torque is 100 ft lbs (135 N·m). If you doubt that you have tightened the bolts correctly, have them checked with a torque wrench by your authorized dealer or service station.

9. Disassemble the jack and tools and place them in the bag. Stow it under the driver's seat and secure the bag to the floor with the straps attached to the floor of the vehicle.

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.

10. Place the deflated (flat) tire in the cargo area. Have the tire repaired or replaced as soon as possible.

WARNING!

A loose tire thrown forward in a collision or hard stop could injure the occupants in the vehicle. Have the deflated (flat) tire repaired or replaced immediately.

CAUTION!

The winch mechanism is designed for use with the jack wrench extension tool only. Use of air wrench or power tool may damage the winch.

11. Check the spare tire pressure as soon as possible. Correct the tire pressure as required.

Spare Tire Stowage

Reverse instructions of the spare removal section.

Rotate the jack wrench tool on the winch drive nut clockwise until effort becomes heavy and an audible click is heard indicating the spare is properly stowed.

JUMP-STARTING PROCEDURE

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.

NOTE: When using a portable battery booster pack, follow the manufacturer's operating instructions and precautions.

WARNING!

Do not attempt jump-starting if the battery is frozen. It could rupture or explode and cause personal injury.

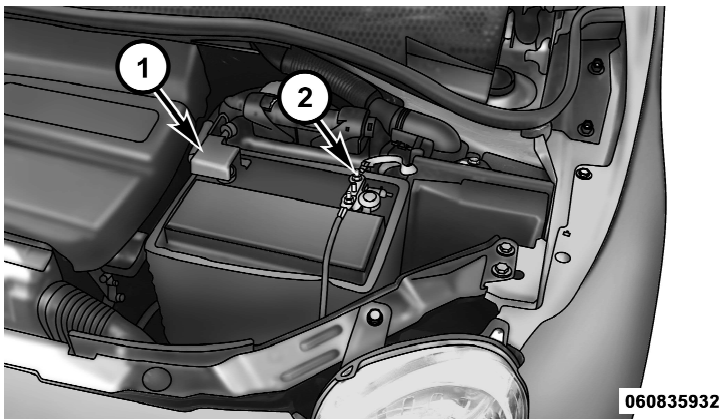
CAUTION!

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.

Preparations For Jump-Start

The battery in your vehicle is located on the left side of the engine compartment.

2



Positive Battery Post

- 1 — Positive Battery Post
- 2 — Negative Battery Post

WARNING!

- Take care to avoid the radiator cooling fan whenever the hood is raised. It can start anytime the ignition switch is ON. You can be injured by moving fan blades.
- Remove any metal jewelry such as watch bands or bracelets that might 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.

1. Set the parking brake, shift the automatic transmission into PARK and turn the ignition to OFF/LOCK.
2. Turn off the heater, radio, and all unnecessary electrical accessories.

3. 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 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.

1. Connect the positive (+) end of the jumper cable to the 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 a good engine ground (exposed metal part of the discharged vehicle's engine) away from the battery and the fuel injection system.

WARNING!

Do not connect the 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.

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. Once the engine is started, remove the jumper cables in the reverse sequence:

6. Disconnect the negative (-) jumper cable from the engine ground (-) of the vehicle with the discharged battery.

7. Disconnect the negative end (-) of the jumper cable from the negative (-) post of the booster battery.

8. Disconnect the opposite end of the positive (+) jumper cable from the positive (+) post of the booster battery.

9. Disconnect the positive (+) end of the jumper cable from the positive (+) post of the discharged vehicle.

If frequent jump-starting is required to start your vehicle, you should have the battery and charging system inspected at your authorized dealer.

CAUTION!

Accessories that can be plugged into the vehicle power outlets 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.

FREEDING A STUCK VEHICLE

If your vehicle becomes stuck in mud, sand or snow, it can often be moved by a rocking motion. Turn your steering wheel right and left to clear the area around the front wheels. Then shift back and forth between DRIVE/1st gear and REVERSE. Using minimal accelerator pedal pressure to maintain the rocking motion, without spinning the wheels, is most effective.

CAUTION!

Racing the engine or spinning the wheels may lead to transmission overheating and failure. Allow the engine to idle with the shift lever 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.

NOTE: If your vehicle is equipped with Traction Control or Electronic Stability Control (ESC), turn the system OFF before attempting to “rock” the vehicle.

CAUTION!

- When “rocking” a stuck vehicle by moving between DRIVE/1st and REVERSE, do not spin the wheels faster than 15 mph (24 km/h), or drivetrain damage may result.
- Revving the engine or spinning the wheels too fast may lead to transmission overheating and failure. It can also damage the tires. Do not spin the wheels above 30 mph (48 km/h) while in gear (no transmission shifting occurring).

WARNING!

Fast spinning tires can be dangerous. Forces generated by excessive wheel speeds may cause damage, or even failure, of the axle and tires. A tire could explode and injure someone. Do not spin your vehicle’s wheels faster than 30 mph (48 km/h) or for longer than 30 seconds continuously without stopping when you are stuck and do not let anyone near a spinning wheel, no matter what the speed.

TOWING A DISABLED VEHICLE

With Ignition Key

Automatic Transmission

- Vehicle can be towed with the front wheels elevated.
- Vehicle can be towed on a flatbed truck (all wheels off the ground).

CAUTION!

DO NOT flat tow any vehicle equipped with an automatic transmission. Damage to the drivetrain will result.

Manual Transmission

- Vehicle can be flat towed (all four wheels on the ground) with the transmission in NEUTRAL.
- Vehicle can be towed with the front wheels elevated.

- Vehicle can be towed on a flatbed truck (all wheels off the ground).

All Transmissions

If it is necessary to use the accessories while being towed (wipers, defrosters, etc.), the key must be in the ON/RUN position. Make certain the transmission remains in NEUTRAL.

CAUTION!

- If the vehicle being towed requires steering, the ignition switch must be in the ON/RUN position.
- Do not attempt to use sling-type equipment when towing. 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.

Without The Ignition Key

Special care must be taken when the vehicle is towed with the ignition in the OFF/LOCK position. A dolly should be used under the front wheels if the rear wheels are raised. Proper towing equipment is necessary to prevent damage to the vehicle.

Battery power is required to release the brake/transmission interlock system (automatic transmission only). There is a removable plug in the right side of the shift lever housing that allows you to insert your finger to override the system. The ignition key must be in the ON/RUN position to use the override lever.

ENHANCED ACCIDENT RESPONSE SYSTEM

In the event of an impact causing airbag deployment, 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 ignition key is turned off.
- Turn on the interior lights, which remain on as long as the battery has power or until the ignition key is removed.
- Unlock the doors automatically.

After the event occurs, when the system is active, the message "Fuel Cutoff See Handbook" is displayed.

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.

System Reset Procedure

After an impact causing airbag deployment, the left and right turn signal lights, located in the instrument panel cluster, will both be blinking, until the ignition is turned off.

Customer Action	Customer Will See
1. Turn ignition OFF. (Turn Signal Switch Must be placed in Neutral State).	
2. Turn ignition ON.	Left Turn Light is OFF. Right Turn Light BLINKS.
3. Turn Right Turn Signal Switch ON.	Right Turn Light is ON SOLID. Left Turn Light

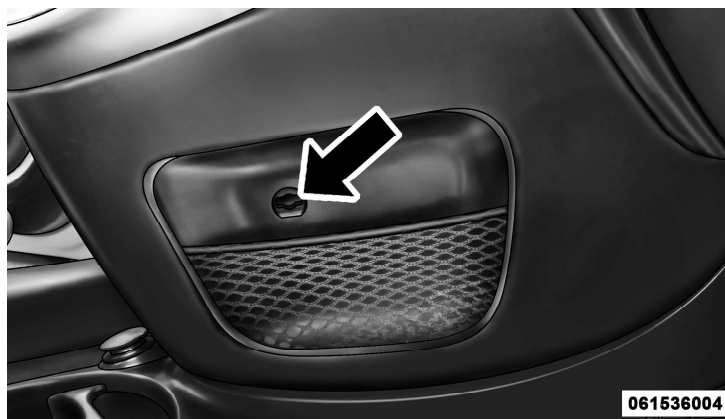
	BLINKS.
4. Turn Left Turn Signal Switch ON.	Left Turn Light is ON SOLID. Right Turn Light BLINKS.
5. Turn Right Turn Signal Switch ON.	Right Turn Light is ON SOLID. Left Turn Light BLINKS.
6. Turn Left Turn Signal Switch ON.	Left Turn Light is ON SOLID. Right Turn Light is ON SOLID.
7. Turn Left Turn Signal Switch OFF. (Turn Signal Switch Must be placed in Neutral State).	Left Turn Light is OFF. Right Turn Light is OFF.
8. Turn ignition OFF.	System is now reset and the engine may be started.
9. Turn Hazard Flashers OFF (Manually).	

If a reset procedure step is not completed within 45 seconds, then the turn signal lights will turn off and the reset procedure must be performed again in order to be successful.

SHIFT LEVER OVERRIDE

If a malfunction occurs and the shift lever cannot be moved out of the PARK position, you can use the following procedure to temporarily move the shift lever:

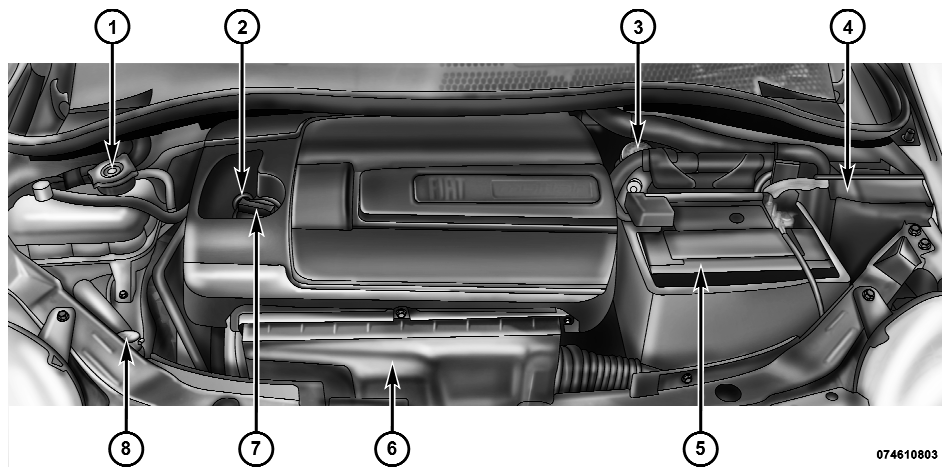
1. Firmly set the parking brake.
2. Remove the shift lever override access cover located on the right side of the shift lever housing.



Shift Lever Override Access Cover

3. Turn the ignition switch to the ON/RUN position without starting the engine.
4. Press and maintain firm pressure on the brake pedal.
5. Using a small screwdriver or similar tool, push and hold the override release lever in.

6. Move the shift lever into the NEUTRAL position.
7. The vehicle may then be started in NEUTRAL.
8. Reinstall the shift lever override access cover.

ENGINE COMPARTMENT — 1.4L

074610803

1 — Engine Coolant Reservoir

2 — Engine Oil Dipstick

3 — Brake Fluid Reservoir

4 — Integrated Power Module (Fuses)

5 — Battery

6 — Air Cleaner Filter

7 — Engine Oil Fill

8 — Washer Fluid Reservoir

EMISSIONS INSPECTION AND MAINTENANCE PROGRAMS

In some localities, it may be a legal requirement to pass an inspection of your vehicle's emissions control system. Failure to pass could prevent vehicle registration.



For states that require an Inspection and Maintenance (I/M), this check verifies the "Malfunction Indicator Light (MIL)" is functioning and is not on when the engine is running, and that the OBD II system is ready for testing.

Normally, the OBD II system will be ready. The OBD II system may **not** be ready if your vehicle was recently serviced, recently had a dead battery or a battery replacement. If the OBD II system should be determined not ready for the I/M test, your vehicle may fail the test.

Your vehicle has a simple ignition key-actuated test, which you can use prior to going to the test station. To check if your vehicle's OBD II system is ready, you must do the following:

1. Turn the ignition switch to the ON position, but do not crank or start the engine.
2. If you crank or start the engine, you will have to start this test over.
3. As soon as you turn the ignition switch to the ON position, you will see the MIL symbol come on as part of a normal bulb check.

4. Approximately 15 seconds later, one of two things will happen:

- a. The MIL will flash for about 10 seconds and then return to being fully illuminated until you turn OFF the ignition or start the engine. This means that your vehicle's OBD II system is **not ready** and you should **not** proceed to the I/M station.
- b. The MIL will not flash at all and will remain fully illuminated until you turn OFF the ignition or start the engine. This means that your vehicle's OBD II system is **ready** and you can proceed to the I/M station.

If your OBD II system is **not ready**, you should see your authorized dealer or repair facility. If your vehicle was recently serviced or had a battery failure or replacement, you may need to do nothing more than drive your vehicle as you normally would in order for your OBD II system to update. A recheck with the above test routine may then indicate that the system is now ready.

Regardless of whether your vehicle's OBD II system is ready or not, if the MIL is illuminated during normal vehicle operation you should have your vehicle serviced before going to the I/M station. The I/M station can fail your vehicle because the MIL is on with the engine running.

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 manufacturer's warranty.

DEALER SERVICE

Your authorized dealer has the qualified service personnel, special tools, and equipment to perform all service operations in an expert manner. Service Manuals are available which include detailed service information for your vehicle. Refer to these Service Manuals before attempting any procedure yourself.

NOTE: Intentional tampering with emissions control systems may void your warranty and could result in civil penalties being assessed against you.

WARNING!

You can be badly injured working on or around a motor vehicle. Only do service work for which you have the knowledge and the proper equipment. If you have any doubt about your ability to perform a service job, take your vehicle to a competent mechanic.

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, damage to other components or negatively impact vehicle performance. Immediately have potential malfunctions examined by an authorized Chrysler Group LLC dealership or qualified repair center.

(Continued)

CAUTION! (Continued)

- 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

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 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 about five minutes after a fully warmed engine is shut off, will improve the accuracy of the oil level readings. Maintain the oil level between the range markings on the dipstick. The safe range is indicated by a crosshatch zone. Adding 1 qt (1L) 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!

Do not overfill the engine with oil. Overfilling the engine with oil will cause oil aeration, which can lead to loss of oil pressure and an increase in oil temperature. This loss of oil pressure and increased oil temperature could damage your engine.

Change Engine Oil

The oil change indicator system will remind you that it is time to take your vehicle in for scheduled maintenance. Refer to the "Maintenance Schedule" for further information.

NOTE: Under no circumstances should oil change intervals exceed 8,000 miles (13 000 km) or six months, whichever occurs first.

Engine Oil Selection

For best performance and maximum protection for all engines under all types of operating conditions, the manufacturer recommends engine oils that are API Certified and meet the requirements of Chrysler Material Standard MS-6395.

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.

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 (SAE Grade)

SAE 5W-30 engine oil is recommended for all operating temperatures. This engine oil improves low temperature starting and vehicle fuel economy. Your engine oil filler cap also states the recommended engine oil viscosity grade for your engine.

Lubricants which do not have both the engine oil certification mark and the correct SAE viscosity grade number should not be used.

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.

Materials Added to Engine Oils

Do not add any supplemental materials, other than leak detection dyes, to your 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

All of 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" for the proper maintenance intervals.

WARNING!

The air induction system (air cleaner, hoses, etc) can provide a measure of protection in the case of engine backfire. Do not remove the air induction system (air cleaner, hoses, etc.) unless such removal is necessary for repair or maintenance. Make sure that no one is near the engine compartment before starting 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.

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.

(Continued)

WARNING! (Continued)

- 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.
- The battery in this vehicle has a vent hose that should not be disconnected and should only be replaced with a battery of the same type (vented).

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.

CAUTION!

Do not use chemical flushes in your air conditioning system as the chemicals can damage your air conditioning components. Such damage is not covered by the New Vehicle Limited Warranty.

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, located on the DVD, 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 repairman.

Refrigerant Recovery And Recycling

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 dealers or other service facilities using recovery and recycling equipment.

NOTE: Use only manufacturer approved A/C system sealers, stop leak products, seal conditioners, compressor oil, or refrigerants.

Body Lubrication

Locks and all body pivot points, including such items as seat tracks, door hinge pivot points and rollers, liftgate, tailgate, sliding doors and hood hinges, should be lubricated periodically with a lithium based grease, such as MOPAR® Spray White Lube or equivalent 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 or equivalent 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 or use the washer solvent. This will remove accumulations of salt, waxes or road film and help reduce streaking and smearing.

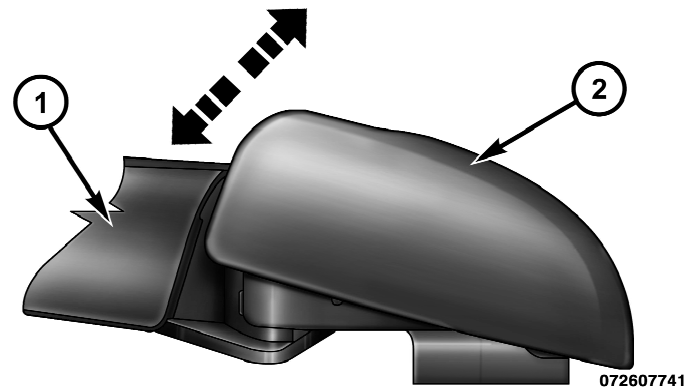
Operation of the wipers on dry glass for long periods may cause deterioration of the wiper blades. Always use washer fluid when using the wipers to remove salt or dirt

from a dry windshield. Avoid using the wiper blades to remove frost or ice from the windshield. Make sure that they are not frozen to the glass before turning them on to avoid damaging the blade. 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.

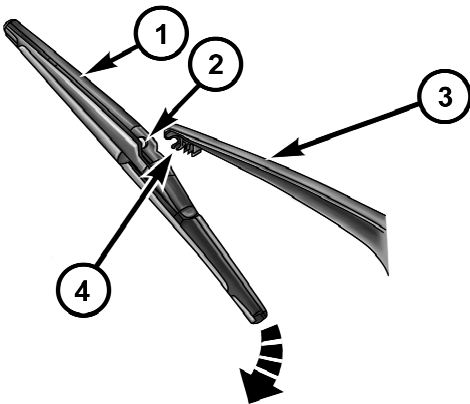


1 — Wiper Arm
2 — Pivot Cap

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.

3. Grab the bottom of the wiper blade and rotate it forward to unsnap the blade pivot pin from the wiper blade holder.



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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

The windshield washer fluid reservoir is located in the engine compartment (right rear side), and the fluid level should be checked at regular intervals. Fill the reservoir with windshield washer solvent (not engine coolant (antifreeze)).

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, inspect the exhaust system 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!

- When working near the radiator cooling fan, disconnect the fan motor lead or turn the ignition switch to the OFF position. The fan is temperature controlled and can start at any time the ignition switch is in the ON position.
- 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 is hot.

Coolant Checks

Check engine coolant (antifreeze) protection every 12 months (before the onset of freezing weather, where applicable). If the engine coolant (antifreeze) is dirty or rusty in appearance, the system should be drained, flushed and refilled with fresh engine coolant (antifreeze). 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.

Cooling System – Drain, Flush and Refill

Refer to the “Maintenance Schedule” for the proper maintenance intervals.

If the engine coolant (antifreeze) is dirty or contains a considerable amount of sediment, clean and flush with a reliable cooling system cleaner. Follow with a thorough rinsing to remove all deposits and chemicals. Properly dispose of old engine coolant (antifreeze).

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). If a non-OAT engine coolant (antifreeze) is introduced into the cooling system in an emergency, it should be replaced with the specified engine coolant (antifreeze) as soon as possible.

(Continued)

CAUTION! (Continued)

- Do not use water alone or alcohol based engine coolant (antifreeze) products. Do not use additional rust inhibitors or antirust products, as they may not be compatible with the radiator engine coolant and may plug the radiator.
- This vehicle has not been designed for use with Propylene Glycol based engine coolant (antifreeze). Use of Propylene Glycol based engine coolant (antifreeze) is not recommended.

Adding Coolant

Your vehicle has been built with an improved engine coolant (antifreeze) that allows extended maintenance intervals. This engine coolant (antifreeze) can be used up to ten years or 152,000 miles (247 000 km) before replacement. To prevent reducing this extended maintenance period, it is important that you use the same engine coolant (antifreeze) throughout the life of your vehicle.

Please review these recommendations for using Organic Additive Technology (OAT) engine coolant (antifreeze). When adding engine coolant (antifreeze):

- The manufacturer recommends using MOPAR® Antifreeze/Coolant 10 Year/152,000 Mile Formula OAT (Organic Additive Technology) or equivalent.
- Mix a minimum solution of 50% OAT engine coolant and distilled water. Use higher concentrations (not to exceed 70%) if temperatures below -34°F (-37°C) are anticipated.
- 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.

Please note that 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.

NOTE: Mixing engine coolant (antifreeze) types is not recommended and can result in cooling system damage. Drain, flush, and refill as soon as possible to avoid damage if coolant types are mixed in an emergency.

Cooling System Pressure Cap

The cap must be fully tightened to prevent loss of engine coolant (antifreeze) and to ensure that engine coolant (antifreeze).

The cap should be inspected and cleaned if there is any accumulation of foreign material on the sealing surfaces.

WARNING!

- The warning words "DO NOT OPEN HOT" on the cooling system pressure cap are a safety precaution. 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 expansion 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 bottom and top lines marked "COLD FILL RANGE".

As long as the engine operating temperature is satisfactory, the coolant bottle need only be checked once a month.

When additional engine coolant (antifreeze) is needed to maintain the proper level, it 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 50% OAT engine coolant (antifreeze) (minimum) and distilled water for proper corrosion protection of your engine which contains aluminum components.
- Make sure that the coolant expansion bottle overflow hoses are not kinked or obstructed.
- Keep the front of the radiator clean. If your vehicle is equipped with air conditioning, keep the front of the condenser clean.
- Do not change the thermostat for Summer or Winter operation. If replacement is ever necessary, install **ONLY** the correct type thermostat. Other designs may result in unsatisfactory engine 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. Riding the brakes may also reduce braking capacity in an emergency.

Brake Master Cylinder

The fluid level in the master cylinder should be checked when performing under hood services, or immediately if the "Brake Warning Light" is on.

Be sure to clean the top of the master cylinder area before removing the cap. If necessary, add fluid to bring the fluid level up to the requirements described on the brake fluid reservoir. Fluid level can be expected to fall as the brake pads wear. The brake fluid level should be checked

when the pads are replaced. However, low fluid level may be caused by a leak and a checkup may be needed.

NOTE: If your vehicle is equipped with a **manual transmission**, the brake fluid reservoir supplies fluid to both the brake system and the clutch release system. The two systems are separated in the reservoir, and a leak in one system will not affect the other system. The **manual transmission** clutch release system should not require fluid replacement during the life of the vehicle. If the brake fluid reservoir is low and the brake system does not indicate any leaks or other problems, it may be a result of a leak in the hydraulic clutch release system. See your local authorized dealer for service.

Use only manufacturer's recommended brake fluid. 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 fluid for your vehicle is also identified on the original factory installed hydraulic master cylinder reservoir.

(Continued)

WARNING! (Continued)

- To avoid contamination from foreign matter or moisture, use only new brake fluid or fluid that has been in a tightly closed container. Keep the master cylinder reservoir cap secured at all times. Brake fluid in an open container absorbs moisture from the air resulting in a lower boiling point. This may cause it to boil unexpectedly during hard or prolonged braking, resulting in sudden brake failure. This could result in a collision.
- Overfilling the brake fluid reservoir can result in spilling brake fluid on hot engine parts, causing the brake fluid to catch fire. Brake fluid can also damage painted and vinyl surfaces, care should be taken to avoid its contact with these surfaces.

(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.

CAUTION!

Use of improper brake fluids will affect overall clutch system performance. Improper brake fluids may damage the clutch system resulting in loss of clutch function and the ability to shift the transmission.

Manual Transmission – If Equipped**Lubricant Selection**

Use only the manufacturers recommended transmission fluid. Refer to “Fluids, Lubricants, and Genuine Parts” in “Maintaining Your Vehicle” for further information.

Fluid Level Check

Check the fluid level by removing the fill plug. The fluid level should be between the bottom of the fill hole and a point not more than 3/16 in (4.7 mm) below the bottom of the hole.

Add fluid, if necessary, to maintain the proper level.

Frequency Of Fluid Change

Under normal operating conditions, the fluid installed at the factory will give satisfactory lubrication for the life of the vehicle. Fluid changes are not necessary unless lubricant has become contaminated with water.

NOTE: If contaminated with water, the fluid should be changed immediately.

Automatic Transmission – If Equipped

The automatic transmission and differential assembly are contained within a single housing.

The fluid level in the automatic transmission should be checked whenever the vehicle is serviced. Operation with an improper fluid level will greatly reduce the life of the transmission and the fluid.

Selection of Lubricant

It is important that the proper lubricant is used in the transmission to assure optimum transmission performance. Use only manufacturer’s recommended transmission fluid. Refer to “Fluids, Lubricants, and Genuine Parts” in “Maintaining Your Vehicle” for further information. It is important that the transmission fluid be maintained at the prescribed level using the recommended

fluid. No chemical flushes should be used in any transmission; only the approved lubricant may be used.

Special Additives

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. The only exception to this policy is the use of special dyes to aid in detecting fluid leaks. In addition, avoid using transmission sealers as they may adversely affect seals.

CAUTION!

Do not use chemical flushes in your transmission as the chemicals can damage your transmission components. Such damage is not covered by the New Vehicle Limited Warranty.

Fluid Level Check

The automatic transmission has no dipstick and is dealer serviced only.

Fluid and Filter Changes

Refer to the "Maintenance Schedule" for the proper maintenance intervals

In addition, change the fluid and filter 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. Outside parking, which exposes your vehicle to airborne contaminants, road surfaces on which the vehicle is operated, extreme

hot or cold weather and other extreme conditions will have an adverse effect on paint, metal trim, and underbody protection.

The following maintenance recommendations will enable you to obtain maximum benefit from the corrosion resistance built into your vehicle.

What Causes Corrosion?

Corrosion is the result of deterioration or removal of paint and protective coatings from your vehicle.

The most common causes of corrosion are:

- Road salt, dirt and moisture accumulation.
- Stone and gravel impact.
- Insects, tree sap and tar.
- Salt in the air near sea coast 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 or equivalent to remove.
- Use a high quality cleaner wax, such as MOPAR® Cleaner Wax or equivalent 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, which 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 which 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 or equivalent 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, use MOPAR® Wheel Cleaner or select a nonabrasive, non-acidic cleaner. Do not use scouring pads, steel wool, a bristle brush or metal polishes. Only MOPAR® cleaners or equivalent are recommended. Do not use oven cleaner. Avoid automatic car washes that use acidic solutions or harsh brushes that may damage the wheels' protective finish.

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 the stain. Use a fresh, damp towel to remove soap residue.
- For grease stains, apply MOPAR® Multi-Purpose Cleaner or a high quality cleaner, to a clean, damp cloth and remove the 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 or equivalent to clean fabric upholstery and carpeting.

Use MOPAR® Total Clean or equivalent to clean vinyl upholstery.

MOPAR® Total Clean or equivalent 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 or equivalent. 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.

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 the right rear quarter window equipped with the radio antenna. Do not use scrapers or other sharp instruments which may scratch the elements. When cleaning the rearview mirror, spray cleaner on the towel or rag that you are using. Do not spray cleaner directly on the mirror.

Instrument Panel Cover

The instrument panel cover has a low glare surface which minimizes reflections on the windshield. Do not use protectants or other products which may cause undesirable reflections. Use soap and warm water to restore the low glare surface.

Instrument Panel Bezels

CAUTION!

When installing hanging air fresheners in your vehicle, read the installation instructions carefully. Some air fresheners will damage the finish of painted or decorated parts if allowed to directly contact any surface.

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 rag. 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 rag.
2. Dry with a soft cloth.

Seat Belt Maintenance

Do not bleach, dye or clean the seat belts with chemical solvents or abrasive cleaners. This will weaken the fabric. Sun damage can also weaken the fabric.

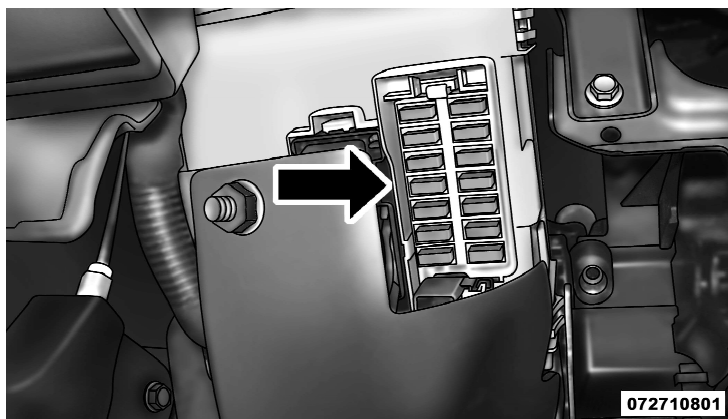
If the seat belts need cleaning, use a mild soap solution or lukewarm water. Do not remove the seat belts from the car to wash them. Dry with a soft cloth.

Replace the seat belts if they appear frayed or worn or if the buckles do not work properly.

FUSES

Interior Fuses

The interior fuse panel is part of the Body Control Module (BCM) and is located on the driver's side under the instrument panel.



Fuse Panel

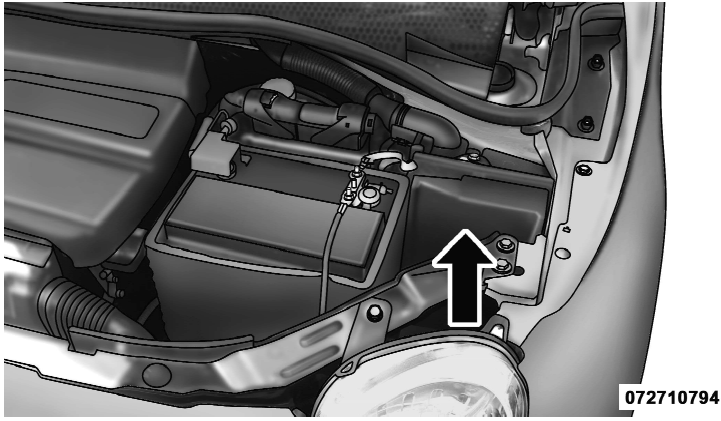
Cavity	Vehicle Fuse Number	Mini Fuse	Description
1	F12	7.5 Amp Brown	Right Low Beam
2	F32	5 Amp Tan	Front and Rear Ceiling Lights Trunk and Door Courtesy Lights
3	F53	5 Amp Tan	Instrument Panel Node
4	F38	20 Amp Yellow	Central Door Locking
5	F36	10 Amp Red	Diagnostic Socket, Car Radio, Climate Control System
6	F43	20 Amp Yellow	Bi-Directional Washer

Cavity	Vehicle Fuse Number	Mini Fuse	Description
7	F48	20 Amp Yellow	Passenger Power Window
8	F13	7.5 Amp Brown	Left Low Beam, Headlamp Leveling
9	F50	7.5 Amp Brown	Airbag
10	F51	5 Amp Tan	Car Radio Switch, Climate Control System, Stop Light, Clutch
11	F37	5 Amp Tan	Stop Light Switch, Instrument Panel Node
	F49	5 Amp Tan	Exterior Mirror,

Cavity	Vehicle Fuse Number	Mini Fuse	Description
12			GPS, Electric Mirror, Parking Sensor
13	F31	5 Amp Tan	Ignition, Climate Control
14	F47	20 Amp Yellow	Driver Power Window

Underhood Fuses

A second fuse panel is located on the right side of the engine compartment, next to the battery. To access the fuses, press the release tabs and remove the cover.



Fuse Panel

The ID number of the electrical component corresponding to each fuse can be found on the back of the cover.

Cavity	Maxi Fuse	Mini Fuse	Description
F01	60 Amp Blue		Body Controller
F02	20 Amp Yellow		Audio Amplifier
F03	20 Amp Yellow		Ignition Switch
F04	40 Amp Orange		Anti-Lock Brake Pump
F05	70 Amp Tan		Electric Power Steering
F06	20 Amp Yellow		Radiator Fan - Single Speed
F06	30 Amp Green		Radiator Fan - Low Speed
F07	40 Amp Orange		Radiator Fan - High Speed
F08	30 Amp		Blower Motor

Cavity	Maxi Fuse	Mini Fuse	Description
	Green		
F09		10 Amp Red	Powertrain
F10		10 Amp Red	Horn
F11		15 Amp Blue	Powertrain
F11		10 Amp Red	Powertrain (Multi- air – If Equipped)
F14		5 Amp Tan	High beam (Shut- ter)
F15		15 Amp Blue	Cigar Lighter
F16		7.5 Amp Brown	Transmission
F17		25 Amp White	Powertrain (Multi- air – If Equipped)

Cavity	Maxi Fuse	Mini Fuse	Description
F17		15 Amp Blue	Powertrain
F18		15 Amp Blue	Powertrain
F18		5 Amp Tan	Powertrain (Multi- air – If Equipped)
F19		7.5 Amp Brown	Air Conditioning
F20		15 Amp Blue	Heated Seats – If Equipped
F21		15 Amp Blue	Fuel Pump
F23		20 Amp Yellow	Anti-Lock Brake Valves
F24		7.5 Amp Brown	Stability Control System
F30		15 Amp	Fog Lamps

Cavity	Maxi Fuse	Mini Fuse	Description
		Blue	
F82	30 Amp Green		Sunroof/ Convertible Top
F84		10 Amp Red	Transmission
F85		15 Amp Blue	Rear Defroster, Heated Mirrors
F87		5 Amp Tan	Lights
F90		5 Amp Tan	Heated Mirrors

VEHICLE STORAGE

If you are leaving your vehicle dormant for more than 21 days, you may want to take these steps to protect your battery.

- 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 Lights

	Bulb Type
Overhead Lamp	C5W
Courtesy Lamp	W5W

Exterior Lights

	Bulb Type
Front Low and High Beam Headlamp.	HIR2
Front Parking/Daytime Running Lamps.	W21/5W
Front Fog Lamps	H11
Front Side Marker Lamps	W3W
Front Turn Signal Lamps	WY21W
Side Direction Lamps	W5W
Rear Turn Signal Lamps	PY21W
Rear Side Marker Lamps.	W3W
Rear Tail and Stop Lamps	P21W/5W
Rear Backup Lamps	W16W
License Plate Lamps.	LED (See 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.

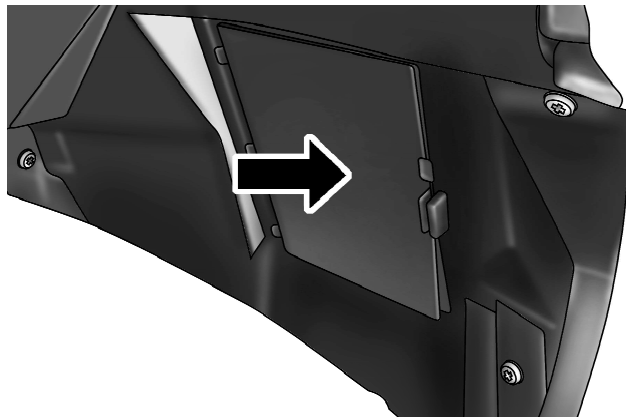
BULB REPLACEMENT

Headlamps

1. Remove the plastic cap from the back of the headlamp housing.
2. Rotate the bulb counter-clockwise.
3. Remove the bulb and replace as needed.
4. Install the bulb and rotate clockwise to lock in place.
5. Reinstall the plastic cap.

Front Turn Signal, Parking and Daytime Running Lamps

1. Turn the steering wheel completely to the left or right.
2. Open the wheel housing access door.



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3. Remove the plastic cap from the back of the lamp housing.
4. Rotate bulb/socket counter-clockwise.
5. Remove the bulb and replace as needed.
6. Install the bulb into socket, and rotate bulb/socket clockwise into lamp locking it in place.
7. Reinstall the plastic cap.

Front Fog Lamps

To replace the front fog lights, see your authorized dealer.

Front/Rear Side Marker Lamps

1. Remove portion of the wheel liner to allow hand access to side marker lamp.
2. Rotate the bulb socket counterclockwise, and remove the bulb and socket assembly from the housing.
3. Pull the bulb from the socket and insert the replacement bulb.
4. Install the bulb and socket assembly into the housing, and rotate the socket clockwise to lock it in place.
5. Reinstall the wheel liner

Rear Tail, Stop, Backup and Turn Signal Lamps

1. Open the liftgate.
2. Remove the two screws and remove the tail lamp assembly.



3. Remove the four screws (using a T20 driver) and separate the backplate from the lamp housing.

4. Remove the tail, stop, or turn signal bulbs by pushing them slightly and turning counter-clockwise.
5. Remove the backup lamp bulb by pulling straight out.
6. Replace lamps as required and reinstall lamp.

Center High Mounted Stop Lamp (CHMSL)

1. Remove the two guard caps and the two fastening screws.
2. Remove the center high mounted stop lamp assembly.
3. Disconnect the electric connector.
4. Press the retaining device and open the bulb holder.
5. Remove the snap-fitted bulb to be replaced and replace it.
6. Close the back cap locking it properly.
7. Reinstall the two fastening screws and reinstall the guard caps.

FLUID CAPACITIES

	U.S.	Metric
Fuel (Approximate)	10.5 Gallons	40 Liters
Engine Oil with Filter		
1.4 Liter Engine	4 Quarts	3.8 Liters
Cooling System		
1.4 Liter Engine (MOPAR® Antifreeze/Engine Coolant 10 Year/152,000 Mile Formula or equivalent) — with Manual Transmission	4.6 Quarts	4.4 Liters
1.4 Liter Engine (MOPAR® Antifreeze/Engine Coolant 10 Year/152,000 Mile Formula or equivalent) — with Automatic Transmission	5.8 Quarts	5.5 Liters

FLUIDS, LUBRICANTS, AND GENUINE PARTS

Engine

Component	Fluid, Lubricant, or Genuine Part
Engine Coolant	MOPAR® Antifreeze/Coolant 10 Year/152,000 Mile Formula OAT (Organic Additive Technology) or equivalent meeting the requirements of Chrysler Material Standard MS-12106.
Engine Oil	Use API Certified SAE 5W-30 Engine Oil, meeting the requirements of Chrysler Material Standard MS-6395. Refer to your engine oil filler cap for correct SAE grade.
Engine Oil Filter	MOPAR® Engine Oil Filter or equivalent.
Spark Plugs	DCPR7E-N-10 (Gap 0.040 in [1.02 mm])
Fuel Selection	87 Octane Acceptable — 91 Octane Recommended

Chassis

Component	Fluid, Lubricant, or Genuine Part
Manual Transmission – If Equipped	MOPAR® C635 DDCT/MTX Transmission Fluid
Automatic Transmission – If Equipped	MOPAR® AW-1 Transmission Fluid
Brake Master Cylinder	MOPAR® DOT 3, SAE J1703 should be used. If DOT 3, SAE J1703 brake fluid is not available, then DOT 4 is acceptable. Use only recommended brake fluids or equivalent.

MAINTENANCE SCHEDULE

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.

Based on engine operation conditions the oil change indicator message will illuminate, this means that service is required for your vehicle. Have your vehicle serviced as soon as possible, within the next 500 miles (805 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 6 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 8,000 miles (13,000 km) or 6 months, whichever comes first.

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 “Electronic Vehicle Information Center (EVIC)/Change Engine Oil” in “Understanding Your Instrument Panel” for further information.

At Each Stop for Fuel

- Check the engine oil level about five 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.
- Inspect the battery and clean and tighten the terminals as required.
- Check the fluid levels of the engine coolant reservoir and brake master cylinder, 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.

CAUTION!

Failure to perform the required maintenance items may result in damage to the vehicle.

Required Maintenance Intervals

Refer to the Maintenance Schedules on the following pages for the required maintenance intervals.

8,000 Miles (13,000 km) or 6 Months Maintenance Service Schedule

Included in the Maintenance Program

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 8,000 miles (13 000 km).

Odometer Reading Date

Repair Order # Dealer Code

Signature Authorized Chrysler Dealer

16,000 Miles (26,000 km) or 12 Months Maintenance Service Schedule

Included in the Maintenance Program

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 16,000 miles (26 000 km).
- If using your vehicle for any of the following: Dusty or off-road conditions. Inspect the engine air cleaner filter; replace if necessary.
- Inspect exhaust system.
- Replace cabin filter.
- Clean and lube sun roof tracks.
- Inspect brake linings.
- Inspect CV joints.
- Inspect the front suspension, tie rod ends and boot seals for cracks or leaks and all parts for damage, wear, improper looseness or end play; replace if necessary.

Odometer Reading Date

Repair Order # Dealer Code

Signature Authorized Chrysler Dealer

24,000 Miles (39,000 km) or 18 Months Maintenance Service Schedule

Included in the Maintenance Program

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 24,000 miles (39 000 km).

Odometer Reading Date

Repair Order # Dealer Code

Signature Authorized Chrysler Dealer

32,000 Miles (52,000 km) or 24 Months Maintenance Service Schedule

Included in the Maintenance Program

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 32,000 miles (52 000 km).
- Inspect exhaust system.
- Replace the spark plugs.
- Replace the engine air cleaner filter.
- Replace cabin filter.
- Clean and lube sun roof tracks.
- Check and adjust hand brake.
- Inspect brake linings.
- Inspect CV joints.
- Inspect the front suspension, tie rod ends and boot seals for cracks or leaks and all parts for damage, wear, improper looseness or end play; replace if necessary.

_____ Date

_____ Dealer Code

_____ Signature Authorized Chrysler Dealer

40,000 Miles (65,000 km) or 30 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 40,000 miles (65 000 km).

_____ Date

_____ Dealer Code

_____ Signature Authorized Chrysler Dealer

48,000 Miles (78,000 km) or 36 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 48,000 miles (78 000 km).
- If using your vehicle for any of the following: Dusty or off-road conditions. Inspect the engine air cleaner filter; replace if necessary.
- Inspect exhaust system.
- Replace cabin filter.
- Clean and lube sun roof tracks.
- Inspect brake linings.
- Inspect CV joints.
- Inspect the front suspension, tie rod ends and boot seals for cracks or leaks and all parts for damage, wear, improper looseness or end play; replace if necessary.

_____ Date

_____ Dealer Code

_____ Signature Authorized Chrysler Dealer

56,000 Miles (91,000 km) or 42 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 56,000 miles (91 000 km).

Odometer Reading Date

Repair Order # Dealer Code

Signature Authorized Chrysler Dealer

64,000 Miles (104,000 km) or 48 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 64,000 miles (104 000 km).
- Inspect exhaust system.
- Replace the spark plugs.
- Replace the engine air cleaner filter.
- Replace cabin filter.
- Clean and lube sun roof tracks.
- Check and adjust hand brake.
- Inspect brake linings.
- Inspect CV joints.
- Inspect the front suspension, tie rod ends and boot seals for cracks or leaks and all parts for damage, wear, improper looseness or end play; replace if necessary.

Odometer Reading Date

Repair Order # Dealer Code

Signature Authorized Chrysler Dealer

72,000 Miles (117,000 km) or 54 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 72,000 miles (117 000 km).

Odometer Reading Date

Repair Order # Dealer Code

Signature Authorized Chrysler Dealer

80,000 Miles (130,000 km) or 60 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 80,000 miles (130 000 km).
- If using your vehicle for any of the following: Dusty or off-road conditions. Inspect the engine air cleaner filter; replace if necessary.
- Inspect exhaust system.
- Replace cabin filter.
- Clean and lube sun roof tracks.
- Inspect brake linings.
- Inspect CV joints.
- Inspect the front suspension, tie rod ends and boot seals for cracks or leaks and all parts for damage, wear, improper looseness or end play; replace if necessary.

Odometer Reading Date

Repair Order # Dealer Code

Signature Authorized Chrysler Dealer

88,000 Miles (143,000 km) or 66 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 88,000 miles (143 000 km).

Odometer Reading Date

Repair Order # Dealer Code

Signature Authorized Chrysler Dealer

96,000 Miles (156,000 km) or 72 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 96,000 miles (156 000 km).
- Inspect exhaust system.
- Replace the spark plugs.
- Inspect and replace PCV valve if necessary.†
- Replace the engine air cleaner filter.
- Replace cabin filter.
- Clean and lube sun roof tracks.
- Check and adjust hand brake.
- Inspect brake linings.
- Inspect CV joints.
- Inspect the front suspension, tie rod ends and boot seals for cracks or leaks and all parts for damage, wear, improper looseness or end play; replace if necessary.

Odometer Reading Date

Repair Order # Dealer Code

Signature Authorized Chrysler Dealer

104,000 Miles (169,000 km) or 78 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 104,000 miles (169 000 km).

Odometer Reading Date

Repair Order # Dealer Code

Signature Authorized Chrysler Dealer

112,000 Miles (182,000 km) or 84 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 112,000 miles (182 000 km).
- If using your vehicle for any of the following: Dusty or off-road conditions. Inspect the engine air cleaner filter; replace if necessary.
- Inspect exhaust system.
- Replace cabin filter.
- Clean and lube sun roof tracks.
- Inspect brake linings.
- Inspect CV joints.
- Inspect the front suspension, tie rod ends and boot seals for cracks or leaks and all parts for damage, wear, improper looseness or end play; replace if necessary.
- Replace accessory drive belt.

Odometer Reading Date

Repair Order # Dealer Code

Signature Authorized Chrysler Dealer

120,000 Miles (195,000 km) or 90 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 120,000 miles (195 000 km).

Odometer Reading Date

Repair Order # Dealer Code

Signature Authorized Chrysler Dealer

128,000 Miles (208,000 km) or 96 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 128,000 miles (208 000 km).
- Inspect exhaust system.
- Replace the spark plugs.
- Replace the engine air cleaner filter.
- Replace cabin filter.
- Clean and lube sun roof tracks.
- Check and adjust hand brake.
- Inspect brake linings.
- Inspect CV joints.
- Inspect the front suspension, tie rod ends and boot seals for cracks or leaks and all parts for damage, wear, improper looseness or end play; replace if necessary.

Odometer Reading Date

Repair Order # Dealer Code

Signature Authorized Chrysler Dealer

136,000 Miles (221,000 km) or 102 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 136,000 miles (221 000 km).

Odometer Reading Date

Repair Order # Dealer Code

Signature Authorized Chrysler Dealer

144,000 Miles (234,000 km) or 108 Months Maintenance Service Schedule

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 144,000 miles (234 000 km).
- If using your vehicle for any of the following: Dusty or off-road conditions. Inspect the engine air cleaner filter; replace if necessary.
- Inspect exhaust system.
- Replace cabin filter.
- Clean and lube sun roof tracks.
- Inspect brake linings.
- Inspect CV joints.
- Inspect the front suspension, tie rod ends and boot seals for cracks or leaks and all parts for damage, wear, improper looseness or end play; replace if necessary.

Odometer Reading Date

Repair Order # Dealer Code

Signature Authorized Chrysler Dealer

**152,000 Miles (247,000 km) or
114 Months Maintenance
Service Schedule**

- Change the engine oil and engine oil filter.
- Rotate the tires, rotate at the first sign of irregular wear, even if it occurs before 152,000 miles (247 000 km).
- Flush and replace engine coolant.
- Replace the timing belt.

Odometer Reading _____ Date _____

Repair Order # _____ Dealer Code _____

Signature Authorized Chrysler Dealer _____

† 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 affect vehicle handling and performance. This could cause an accident.

SUGGESTIONS FOR OBTAINING SERVICE FOR YOUR VEHICLE

Prepare For The Appointment

If you're having warranty work done, be sure to have the right papers with you. Take your warranty folder. All work to be performed may not be covered by the warranty. Discuss additional charges with the service manager. Keep a maintenance log of your vehicle's service history. This can often provide a clue to the current problem.

Prepare A List

Make a written list of your vehicle's problems or the specific work you want done. If you've had an accident or work done that is not on your maintenance log, let the service advisor know.

Be Reasonable With Requests

If you list a number of items and you must have your vehicle by the end of the day, discuss the situation with the service advisor and list the items in order of priority. At many authorized dealers, you may obtain a rental vehicle at a minimal daily charge. If you need a rental, it is advisable to make these arrangements when you call for an appointment.

IF YOU NEED ASSISTANCE

The manufacturer and its authorized dealers are vitally interested in your satisfaction. We want you to be happy with our products and services.

Warranty service must be done by an authorized dealer. We strongly recommend that you take the vehicle to an authorized dealer. They know your vehicle the best, and are most concerned that you get prompt and high quality service. The manufacturer's authorized dealers have the facilities, factory-trained technicians, special tools, and the latest information to ensure the vehicle is fixed correctly and in a timely manner.

This is why you should always talk to an authorized dealer's service manager first. Most matters can be resolved with this process.

- If for some reason you are still not satisfied, talk to the general manager or owner of the authorized dealership. They want to know if you need assistance.

- If an authorized dealership is unable to resolve the concern, you may contact the manufacturer's customer center.

Any communication to the manufacturer's customer center should include the following information:

- Owner's name and address
- Owner's telephone number (home and office)
- Authorized dealership name
- Vehicle Identification Number (VIN)
- Vehicle delivery date and mileage

FIAT Roadside And Customer Assistance Center

P.O. Box 21-8004

Auburn Hills, MI 48321-8004

1-888-242-6342

email: fiatinfo@chrysler.com

Customer Assistance For The Hearing Or Speech Impaired (TDD/TTY)

To assist customers who have hearing difficulties, the manufacturer has installed special TDD (Telecommunication Devices for the Deaf) equipment at its customer center. Any hearing or speech impaired customer, who has access to a TDD or a conventional teletypewriter (TTY) in the United States, can communicate with the manufacturer by dialing 1-800-380-CHRY.

Canadian residents with hearing difficulties that require assistance can use the special needs relay service offered by Bell Canada. For TTY teletypewriter users, dial 711 and for Voice callers, dial 1 800 855-0511 to connect with a Bell Relay Service operator.

Service Contract

You may have purchased a service contract for a vehicle to help protect you from the high cost of unexpected repairs after the manufacturer's New Vehicle Limited Warranty expires. The manufacturer stands behind only

the manufacturer's service contracts. If you purchased a manufacturer's service contract, you will receive Plan Provisions and an Owner Identification Card in the mail within three weeks of the vehicle delivery date. If you have any questions about the service contract, call the manufacturer's Service Contract National Customer Hotline at 1-800-521-9922 (Canadian residents, call 1-800-485-2001).

The manufacturer will not stand behind any service contract that is not the manufacturer's service contract. It is not responsible for any service contract other than the manufacturer's service contract. If you purchased a service contract that is not a manufacturer's service contract, and you require service after the manufacturer's New Vehicle Limited Warranty expires, please refer to the contract documents, and contact the person listed in those documents.

We appreciate that you have made a major investment when you purchased the vehicle. An authorized dealer has also made a major investment in facilities, tools, and training to assure that you are absolutely delighted with the ownership experience. You'll be pleased with their sincere efforts to resolve any warranty issues or related concerns.

WARNING!

Engine exhaust, some of its constituents, and certain vehicle components contain, or emit, chemicals known to the State of California to cause cancer and birth defects, or other reproductive harm. In addition, certain fluids contained in vehicles and certain products of component wear contain, or emit, chemicals known to the State of California to cause cancer and birth defects, or other reproductive harm.

WARRANTY INFORMATION

See the Warranty Information Booklet, located on the DVD, for the terms and provisions of Chrysler Group LLC warranties applicable to this vehicle and market.

REPORTING SAFETY DEFECTS

In the 50 United States and Washington, D.C.

If you believe that your vehicle has a defect that could cause a crash or cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying the manufacturer.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your authorized dealer, and the manufacturer.

To contact NHTSA, you may either call the Auto Safety Hotline toll free at 1-888-327-4236 (TTY: 1-800-424-9153), or go to <http://www.safercar.gov>; or write to: Administrator, NHTSA, 1200 New Jersey Avenue, SE., West Building, Washington, D.C. 20590. You can also obtain other information about motor vehicle safety from <http://www.safercar.gov>.

In Canada

If you believe that your vehicle has a safety defect, you should contact the Customer Service Department immediately. Canadian customers who wish to report a safety defect to the Canadian government should contact Transport Canada, Motor Vehicle Defect Investigations and Recalls at 1-800-333-0510 or go to <http://www.tc.gc.ca/roadsafety/>

PUBLICATION ORDER FORMS

To order the following manuals, you may use either the website or the phone numbers listed below. Visa, Mastercard, American Express, and Discover orders are accepted. If you prefer mailing your payment, please call for an order form.

NOTE: A street address is required when ordering manuals (no P.O. Boxes).

- *Service Manuals*

These comprehensive Service Manuals provide the information that students and professional technicians need in diagnosing/troubleshooting, problem solving, maintaining, servicing, and repairing Chrysler Group LLC vehicles. A complete working knowledge of the vehicle, system, and/or components is written in straightforward language with illustrations, diagrams, and charts.

- *Diagnostic Procedure Manuals*

Diagnostic Procedure Manuals are filled with diagrams, charts and detailed illustrations. These practical manuals make it easy for students and technicians to find and fix problems on computer-controlled vehicle systems and features. They show exactly how to find and correct problems the first time, using step-by-step troubleshooting and drivability procedures, proven diagnostic tests and a complete list of all tools and equipment.

- *Owner's Manuals*

These Owner's Manuals have been prepared with the assistance of service and engineering specialists to acquaint you with specific Chrysler Group LLC vehicles. Included are starting, operating, emergency and maintenance procedures as well as specifications, capabilities and safety tips.

Call toll free at:

- 1-800-890-4038 (U.S.)
- 1-800-387-1143 (Canada)

Or

Visit us on the Worldwide Web at:

- www.techauthority.com

DEPARTMENT OF TRANSPORTATION UNIFORM TIRE QUALITY GRADES

The following tire grading categories were established by the National Highway Traffic Safety Administration. The specific grade rating assigned by the tire's manufacturer in each category is shown on the sidewall of the tires on your vehicle.

All passenger car tires must conform to Federal safety requirements in addition to these grades.

Treadwear

The Treadwear grade is a comparative rating, based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual conditions of their use, however, and may depart

significantly from the norm due to variations in driving habits, service practices, and differences in road characteristics and climate.

Traction Grades

The Traction grades, from highest to lowest, are AA, A, B, and C. These grades represent the tire's ability to stop on wet pavement, as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

WARNING!

The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.

Temperature Grades

The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat, when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance, which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel, than the minimum required by law.

WARNING!

The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, under-inflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.