



**GIULIA**

**2024 OWNER'S MANUAL**

This Owner's Manual illustrates and describes the operation of features and equipment that are either standard or optional on this vehicle. This manual may also include a description of features and equipment that are no longer available or were not ordered on this vehicle. Please disregard any features and equipment described in this manual that are not on this vehicle. FCA US LLC reserves the right to make changes in design and specifications, and/or make additions to or improvements to its products without imposing any obligation upon itself to install them on products previously manufactured.

With respect to any vehicles sold in Canada, the name FCA US LLC shall be deemed to be deleted and the name FCA Canada Inc. used in substitution therefore.

## ROADSIDE ASSISTANCE

**24 HOURS, 7 DAYS A WEEK AT YOUR SERVICE.**

**CALL 1-855-299-1368 OR VISIT ALFAROMEO.RSAHELP.COM (USA)**

**SERVICES: Flat Tire Service, Out Of Gas/Fuel Delivery, Battery Jump Assistance, Lockout Service and Towing Service**

Please see the Customer Assistance chapter in this Owner's Manual for further information.

FCA US LLC reserves the right to modify the terms or discontinue the Roadside Assistance Program at any time. The Roadside Assistance Program is subject to restrictions and conditions of use, that are determined solely by FCA US LLC.

**⚠ WARNING:** Operating, servicing and maintaining a passenger vehicle or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to [www.P65Warnings.ca.gov/passenger-vehicle](http://www.P65Warnings.ca.gov/passenger-vehicle).



**Dear Customer,**

We would like to congratulate and thank you for the purchase of your Alfa Romeo.

We have written this Owner's Manual to help you get to know all of the features of your vehicle and use it in the best possible way. Please take the necessary time to familiarize yourself with all the dynamic features of your vehicle.

Here you will find important information and warnings regarding the use of your vehicle, and how to achieve the best performance from the technical features of your Alfa Romeo.

You are advised to read through the Owner's Manual before taking it on the road for the first time. It is important to become familiar with the controls of your vehicle, especially with sections concerning the brakes, handling, transmission, and vehicle behavior on different road surfaces.

This Owner's Manual also provides a description of special features and tips, as well as essential information for the safe driving, care, and maintenance of your Alfa Romeo over time.

Along with your Owner's Manual, you will also find a description of the services that Alfa Romeo offers to its customers, the vehicle's warranty coverage, and the details of the terms and conditions for maintaining its validity. These documents are meant to introduce the superior service provided by Alfa Romeo.

For questions or comments pertaining to your vehicle, please contact:

Alfa Romeo Customer Care Center:

P.O. Box 21-8004 Auburn Hills, MI

48321-8004

Phone: 1-844-Alfa-USA

(1-844-253-2872)

Alfa Romeo Customer Care (Canada):

P.O. Box 1621

Windsor, Ontario N9A 4H6

Phone: 1-877-230-0563 (English)

Phone: 1-877-515-9112 (French)

# READ THIS CAREFULLY

## Warnings And Cautions

While reading this Owner's Manual you will find a series of **WARNINGS** that must be carefully followed.

**WARNINGS** are statements against operating procedures that could result in a collision, bodily injury and/or death.

While reading this Owner's Manual, you will also find a series of **CAUTIONS** that must also be followed.

**CAUTIONS** are statements against operating procedures which could result in damage to your vehicle.

**WARNINGS** and **CAUTIONS** are called out in the text of this manual with the following symbols:

**WARNINGS** that could result in a collision, bodily injury and/or death if disregarded. ⚠️

**CAUTIONS** that could result in vehicle damage if disregarded. ⚠️

### NOTE:

This Owner's Manual describes all versions of this vehicle. Optional equipment meant for specific markets or particular trim levels, engines and versions of this vehicle are not always identified in the text. Therefore should only consider the information related to the trim level, engine, and version of the vehicle you have acquired. Any content in this manual that may apply to optional equipment which may or may not be applicable to your vehicle will be identified by the indicator: "If Equipped".

The data contained in this publication is intended to help you use your vehicle in the best possible way. Alfa Romeo and FCA US LLC aim for constant improvement of their vehicles. For this reason, they reserve the right to make changes to the model described for technical and/or commercial reasons.

For further information, contact an authorized dealer.

## Respecting The Environment



The vehicle is fitted with a system that carries out a continuous diagnosis of the emission-related components in order to help protect the environment (if equipped).

## Rollover Warning

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

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



Rollover Warning Label

Failure to use the driver and passenger seat belts provided is a major cause of severe or fatal injury. In fact, the US government notes that the universal use of existing seat belts could cut the highway death toll by 10,000 or more each year and could reduce disabling injuries by two million annually. In a rollover crash, an unbelted person is significantly more likely to die than a person wearing a seat belt. Always buckle up.

# VEHICLE CHANGES / ALTERATIONS

## Accessories Purchased By The Owner



### WARNING!

Any change or alteration of the vehicle might seriously affect its safety and road handling, thus causing accidents, in which the occupants could even be fatally injured.

If you decide to install electrical accessories that require a permanent electrical supply (e.g. radio, satellite anti-theft system, etc.) or accessories that in any case drain the electrical supply after purchasing the vehicle, contact an authorized dealer. Dealer personnel will check whether the vehicle's electrical system is able to withstand the load required or whether it needs to be integrated with a more powerful battery.

#### NOTE:

Use caution when adding additional spoilers, alloy wheel rims, or non-standard wheel hubs: they could reduce the ventilation of the brakes and affect efficiency under sharp and repeated braking, or on long descents. Make sure that nothing obstructs the pedals (mats, etc.).

FCA US LLC shall not be liable for damage caused by the installation of accessories either not supplied or recommended by FCA US LLC and/or not installed in compliance with the provided instructions.

## Installing Electrical/Electronic Devices

FCA US LLC authorizes the installation of transceivers provided that installation is carried out at a specialized center, in compliance with manufacturer's specifications.

#### NOTE:

Local authorities may not allow the vehicle on the road if devices that modify the features of the vehicle have been installed. This also may void the warranty in relation to faults caused by the change either directly or indirectly related to it.

FCA US LLC shall not be liable for damage caused by the installation of accessories either not supplied or recommended by FCA US LLC and/or not installed in compliance with the provided instructions.

## Radio Transmitters And Mobile Phones

Radio transmitter equipment (vehicle mobile phones, CB [Citizen Band] radios, amateur radio, etc.) cannot be used inside the vehicle unless a separate antenna is mounted externally.

Transmission and reception of these devices may be affected by the shielding effect of the vehicle body. As far as the use of approved mobile phones is concerned, follow the usage instructions provided by the mobile phone manufacturer.



### CAUTION!

- The use of these devices inside the passenger compartment (without an external antenna) may cause the electrical systems to malfunction. This could compromise the safety of the vehicle in addition to constituting a potential hazard for passengers' health.
- If mobile phones/laptops/smartphones/tablets are inside the vehicle and/or close to the electronic key, a reduced performance of the Passive Entry/Keyless Start system may occur may occur.

# HOW TO USE THIS MANUAL

## Operating Instructions



Each time an instruction is given that concerns direction (left/right or forward/backward), it is written to be read from the perspective of an occupant in the driver's seat. If a direction is written from a different perspective, it will be specified as such in the text as appropriate.

The figures in the manual are only examples: this might imply that some details of the image do not correspond to the actual arrangement of your vehicle.

To identify the chapter with the information necessary, you can consult the Index at the end of this manual.

Chapters can be rapidly identified with dedicated graphic tabs, located at the side of each odd page. There is also a key for getting to know the chapter order and the relevant symbols in the tabs. Additionally, there is a textual indication of each current chapter at the side of each even page.

## Symbols Key

<b>NOTE:</b>	A suggestion which will improve installation, operation, and reliability. If not followed, may result in damage.
<b>TIP:</b>	General ideas/solutions/suggestions on easier use of the product or functionality.
<b>PAGE REFERENCE ARROW</b> 	Follow this reference for additional information on a particular feature.
<b>FOOTNOTE</b> 	Supplementary and relevant information pertaining to the topic.



## Symbols

Some vehicle components have colored labels with symbols indicating precautions to be observed when using the component. It is important to read the entire Owner's Manual so that you do not miss important information. Observe all CAUTIONS and WARNINGS. See below for a brief description of each symbol.

	READ THE OWNER'S MANUAL		DO NOT TOUCH WITH HANDS		IT CAN START AUTOMATICALLY ALSO WITH ENGINE OFF
	PROTECT YOUR EYES		DO NOT OPEN THE CAP WHEN THE ENGINE IS HOT		DO NOT OPEN: HIGH PRESSURE GAS
	KEEP CHILDREN AT A DISTANCE		BURSTING		MOVING PARTS KEEP PARTS OF YOUR BODY AND CLOTHES AWAY
	DO NOT APPROACH FLAMES		CORROSIVE LIQUID		HIGH VOLTAGE

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**GETTING TO KNOW YOUR VEHICLE**



**GETTING TO KNOW YOUR INSTRUMENT PANEL**



**STARTING AND OPERATING**



**MULTIMEDIA**



**SAFETY**



**IN CASE OF EMERGENCY**



**SERVICING AND MAINTENANCE**



**TECHNICAL SPECIFICATIONS**



**CUSTOMER ASSISTANCE**



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# SYMBOL GLOSSARY

Some car components have colored labels with symbols indicating precautions to be observed when using this component. It is important to follow all warnings when operating your vehicle. See below for the definition of each symbol ⇨ page 74.




## NOTE:




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

Red Warning Lights	
	Air Bag Warning Light ⇨ page 74
	Brake Warning Light ⇨ page 74
	Electronic Braking Force Distribution (EBD) Failure ⇨ page 75
	Oil Temperature Warning Light ⇨ page 75
	Seat Belt Reminder Warning Light ⇨ page 75


Amber Warning Lights	
	Anti-Lock Brake System (ABS) Warning Light ⇨ page 76
	Electronic Stability Control (ESC) Indicator Light ⇨ page 76
	Electronic Stability Control (ESC) OFF Indicator Light ⇨ page 76
	Engine Check/Malfunction Indicator Light (MIL) ⇨ page 77
	Forward Collision Warning (FCW) System ⇨ page 77
	Fuel Reserve/Limited Range ⇨ page 77












Amber Warning Lights	
	Rear Fog Lights ↔ page 77
	Tire Pressure Low Warning Light ↔ page 76
	Tire Pressure Monitoring System (TPMS) Warning Light ↔ page 76





Green Warning Lights	
	Automatic High Beam Indicator Light ↔ page 77
	Left Turn Signal Indicator Light ↔ page 77
	Parking/Headlights On Indicator Light ↔ page 78



Green Warning Lights	
	Right Turn Signal Indicator Light ↔ page 78

Blue Warning Lights	
	High Beam Indicator Light ↔ page 78







Red Symbols	
	Alfa Steering Torque (AST) Failure ↔ page 78
	Alternator Failure ↔ page 78
	Automatic Transmission Failure ↔ page 78







Red Symbols	
	Brake Disc Temperature ↪ page 78
	Driver Attention Assist (DAA) System Activation ↪ page 78
	Door Open ↪ page 78
	Electronic Throttle Control (ETC) Warning Light ↪ page 78
	Engine Coolant Temperature Too High ↪ page 79
	Hood Cap Not Properly Shut ↪ page 79







Red Symbols	
	Insufficient Engine Oil Level ↪ page 79
	Low Engine Oil Pressure ↪ page 79
	Power Steering Failure ↪ page 78
	Trunk Lid Not Properly Shut ↪ page 79







Amber Symbols	
	ABS Activation ↪ page 82
	Adaptive Front Lighting System Failure ↪ page 82









Amber Symbols	
	Automatic High Beam Headlights Failure ↔ page 81
	Automatic Transmission Fluid Overheating ↔ page 81
	Audio System Failure ↔ page 81
	All Wheel Drive Failure ↔ page 82
	Blind Spot Monitoring System Failure ↔ page 80
	Dusk Sensor Failure ↔ page 80






Amber Symbols	
	Dynamic Drive Control System Failure ↔ page 81
	Driver Attention Assist (DAA) System Failure ↔ page 82
	Electric Park Brake Failure ↔ page 81
	Engine Immobilizer Failure/Break-In Attempt ↔ page 79
	Engine Oil Change Required ↔ page 80
	Engine Oil Pressure Sensor Failure ↔ page 80

Amber Symbols	
	Engine Oil Level Sensor Failure ↪ page 80
	Exterior Lights Failure ↪ page 80
	Forward Collision Warning (FCW) System Failure ↪ page 80
	Fuel Cut-Off Indicator Light ↪ page 79
	Fuel Level Sensor Failure ↪ page 80
	Fuel Cut-Off System Failure ↪ page 81






Amber Symbols	
	Generic Indication ↪ page 82
	Highway Assist System (HAS)/Traffic Jam Assist (TJA) System Failure ↪ page 82
	Keyless System Failure ↪ page 81
	Lane Departure Warning (LDW) System Failure ↪ page 81
	Loose Fuel Filler Cap ↪ page 81
	Low Coolant Level ↪ page 81





Amber Symbols	
	Park Sensors System Failure ↔ page 79
	Rain Sensor Failure ↔ page 80
	Stop/Start System Failure ↔ page 80
	Speed Limiter System Failure ↔ page 81
	Service Adaptive Cruise Control (ACC) System ↔ page 81
	Soft Suspension Calibration Insertion ↔ page 82

Amber Symbols	
	Shock Absorbers Failure ↔ page 82
	Temporary All Wheel Drive Failure ↔ page 82
	Wear On Brake Pads ↔ page 81
	Windshield Wiper Failure ↔ page 82
	Windshield Washer Liquid Level ↔ page 82



Green Symbols	
	Adaptive Cruise Control (ACC) System ↔ page 83
	Automatic Headlights ↔ page 82
	Cruise Control Activated ↔ page 83
	Headlights ↔ page 82
	Stop/Start Operation ↔ page 82

Blue Indicator Lights	
	Automatic High Beam Headlights ↔ page 83
	High Beam Headlights ↔ page 83



In this section, you will find important information to help you become familiar with the features needed to operate your vehicle, and how they function.

## KEYS

### KEY FOB

Your vehicle is equipped with a key fob which supports Passive Entry, Remote Keyless Entry (RKE), Remote Start (if equipped), and remote trunk operation. The key fob allows you to lock or unlock the doors, trunk lid, and fuel door. The key fob does not need to be pointed at the vehicle to activate the system. The key fob also contains an emergency key, which is stored inside the key fob.

#### NOTE:

- The key fob's wireless signal may be blocked if the key fob is located next to a mobile phone, laptop, or other electronic device. This may result in poor performance.
- With ignition in the ON position and the vehicle moving at 2 mph (4 km/h), all RKE commands are disabled.



Key Fob

In case the ignition switch does not change with the push of a button, the key fob may have a low or fully depleted battery. A low key fob battery can be verified by referring to the instrument cluster, which will display directions to follow ⇨ page 316.

### To Lock/Unlock The Doors And Trunk

Push and release the unlock button on the key fob once to unlock the driver's door, or twice within five seconds to unlock all the doors, trunk lid, and fuel door. To lock all the doors, trunk lid, and fuel door, push the lock button once. If the trunk lid is open when the lock button is pushed, the trunk lid will lock when it is closed.

The current unlock setting can be changed through the radio system menu, so that the system unlocks:

- All doors on the first push of the key fob unlock button.
- The driver door on the first push of the key fob unlock button.

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

#### NOTE:

If one or more doors are open when the lock button is pushed, or the trunk lid is open, the doors will lock. The doors will unlock again automatically if the key fob is left inside the passenger compartment, otherwise the doors will stay locked.

Flashing of the turn signals upon locking/unlocking the doors and activation of the courtesy light upon unlocking the doors can be activated or deactivated through the radio system ⇨ page 180.

#### Trunk Lid Opening

Rapidly push the trunk lid key fob button twice to open the trunk lid. The turn signals will flash to indicate that the trunk lid has been opened.

### Locking/Unlocking Doors From The Outside In An Emergency

If the battery is discharged or the key fob is inoperable, you can lock or unlock the doors from the outside by inserting the blade of the emergency key, found inside the key fob, into the door handle lock cylinder and turn the emergency key as follows:

- Lock — Turn the emergency key to the right (clockwise)
- Unlock — Turn the emergency key to the left (counterclockwise)

### Key Left Vehicle Feature — If Equipped

If a valid key fob is no longer detected inside the vehicle while the vehicle's ignition system is in the ON/RUN or START position, the message "Key Fob Has Left The Vehicle" will be shown in the instrument cluster display along with an interior chime. An exterior audible and visual alert will also be activated to warn the driver.

The vehicle's horn will rapidly chirp three times along with a single flash of the vehicle's exterior lights.

#### NOTE:

- The doors have to be open and then closed in order for the vehicle to detect a key fob. The Key Left Vehicle feature will activate when the first door is closed and no key fob is detected in the vehicle. If the warning has been activated, and the other doors are closed, no other warnings will be issued.
- These alerts will not be activated in situations where either the vehicle's engine is left running with the key fob inside, or the key fob's wireless signals are blocked.

## Replacing The Battery In The Key Fob

The recommended replacement battery is one CR2032 battery.

### NOTE:

- Customers are recommended to use a battery obtained from Mopar®. Aftermarket coin battery dimensions may not meet the original OEM coin battery dimensions.
- Perchlorate Material – special handling may apply. See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate) for further information.
- Do not touch the battery terminals that are on the back housing or the printed circuit board.

To replace the battery, proceed as follows:

1. Push the sides of the key fob inward and extract the cover pulling downward.



Key Fob Cover Removal

2. Remove the emergency key from its housing.



Removing Emergency Key

3. Remove the battery plug by rotating it counterclockwise.



Removing Battery Plug

4. Remove the battery from its slot and replace it with a new one. When replacing the battery, match the (+) sign on the battery to the (+) sign on the inside of the battery clip, located on the back cover. Avoid touching the new battery with your fingers. Skin oils may cause battery deterioration. If you touch a battery, clean it with rubbing alcohol.



Battery Location

Proceed in reverse order to reassemble the key fob.



### WARNING!

- The integrated key fob contains a coin cell battery. Do not ingest the battery; there is a chemical burn hazard. If the coin cell battery is swallowed, it can cause severe internal burns in just two hours and can lead to death.
- If you think a battery may have been swallowed or placed inside any part of the body, seek immediate medical attention.

(Continued)



**WARNING!**

- Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.

**CAUTION!**

The battery replacement operation must be done with care, in order not to damage the key fob.

## Programming And Requesting Additional Key Fobs

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

**NOTE:**

- Once a key fob is programmed to a vehicle, it cannot be repurposed and reprogrammed to another vehicle.
- Only key fobs that are programmed to the vehicle electronics can be used to start and operate the vehicle.

**WARNING!**

- Always remove the key fobs from the vehicle and lock all doors when leaving the vehicle unattended.
- For vehicles equipped with Passive Entry, always remember to place the ignition in the OFF position when exiting the vehicle.

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

**NOTE:**

- When having the Engine Immobilizer system serviced, bring all vehicle keys with you to an authorized dealer.
- Emergency keys must be ordered to the correct key cut to match the vehicle locks.
- For Quadrifoglio models, if you need a replacement key fob, contact an authorized dealer.

## ENGINE IMMOBILIZER SYSTEM

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

The system uses a key fob, keyless push button ignition and a Radio Frequency (RF) receiver to prevent unauthorized vehicle operation. Therefore, only key fobs that are programmed to the vehicle can be used to start and operate the vehicle. The system will shut the engine off in two seconds if an invalid key fob is used to start the engine.

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

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



## CAUTION!

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

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

### NOTE:

A key fob that has not been programmed is also considered an invalid key ↗ page 316.

## IGNITION SWITCH

### KEYLESS PUSH BUTTON IGNITION

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

The START/STOP ignition button has several operating modes. These modes are OFF, ACC, and ON/RUN.



START/STOP Ignition Button

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

### OFF

- The engine is stopped
- Steering is locked
- Some electrical devices (e.g. central locking, alarm, etc.) are still available

### ACC

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

### ON/RUN

- The engine will start (when foot is on the brake pedal)
- All electrical devices are available (e.g. climate controls, etc.)

If the ignition switch does not change the mode by pushing the button, the key fob may have a low or depleted battery. In this situation, a backup method can be used to operate the ignition switch. Proceed as follows:

1. Lift the front armrest.
2. Lay the key fob on the indicated spot in the bottom of the center console, positioning the key fob as shown in the following image, while pushing the START/STOP ignition button to start the ignition.



Key Fob Placement Location

### NOTE:

- For more information on proper engine starting procedures, see ↗ page 85.
- With the keyless ignition in the ACC position, if 30 minutes pass with the gear selector in PARK and the engine off, the ignition will automatically reset to the OFF position.
- When opening the driver's door with the ignition in the ACC position (engine not running), a chime will sound to remind you to place the ignition in the OFF position. In addition to the chime, the message will display "Ignition Or Accessory On" in the cluster.



**WARNING!**

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

**CAUTION!**

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

## REMOTE START — IF EQUIPPED



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

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

**NOTE:**

Obstructions between the vehicle and key fob may reduce this range ↪ page 316.

**WARNING!**

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

### How To Use REMOTE START

Push the Remote Start button on the key fob twice within five seconds. The vehicle doors will lock, the turn signals will flash twice, and the horn will chirp twice. Pushing the Remote Start button a third time shuts the engine off.

**NOTE:**

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

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

- Gear selector in PARK
- Doors closed
- Hood closed
- Trunk closed
- Hazard switch off
- Brake switch inactive (brake pedal not pressed)
- Battery at an acceptable charge level
- Panic button not pushed
- System not disabled from previous Remote Start event
- Vehicle Security system indicator flashing
- Ignition in OFF position
- Fuel level meets minimum requirement
- Vehicle Security system is not signaling an intrusion
- Malfunction Indicator Light (MIL) is not illuminated

## TO EXIT REMOTE START MODE

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

The Remote Start system will turn the engine off if the Remote Start button is pushed again, or if the engine is allowed to run for the entire 15 minute cycle.

## REMOTE START FRONT DEFROST ACTIVATION — IF EQUIPPED

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

## REMOTE START COMFORT SYSTEMS — IF EQUIPPED

When Remote Start is activated, the heated steering wheel and front heated seat features will automatically activate when ambient temperature is less than 39°F (4°C). These features will stay on through the duration of Remote Start.

### NOTE:

This feature can be activated through the radio system  
➔ page 180.

## REMOTE START WINDSHIELD WIPER DE-ICER ACTIVATION

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

## REMOTE START ABORT MESSAGE

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

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

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

## VEHICLE SECURITY SYSTEM — IF EQUIPPED

The Vehicle Security system monitors the vehicle doors, hood, trunk, and the keyless push button ignition for unauthorized operation. It also monitors movement inside the passenger compartment (volumetric protection — if equipped), cutting of battery cables, and unexpected lifting/tilting of the vehicle (anti-lift protection — if equipped).

While the Vehicle Security system is armed, interior switches for door locks and trunk release are disabled.

If something triggers the alarm, the Vehicle Security system will provide the following audible and visible signals:

- The horn will pulse
- The turn signals will flash
- The Vehicle Security Light in the instrument cluster will flash

### NOTE:

The Vehicle Security system is activated by the Engine Immobilizer system, which is automatically activated when you get out of the vehicle with the key fob and lock the doors.

## TO ARM THE SYSTEM

Follow these steps to arm the Vehicle Security system:

1. Make sure the vehicle's ignition is placed in the OFF position.
2. Perform one of the following methods to lock the vehicle:
  - Push the lock button on the interior power door lock switch with the driver and/or passenger door open.



- Push the lock button on the exterior Passive Entry door handle with a valid key fob available in the same exterior zone ↵ page 31.
  - Push the lock button on the key fob.
3. If any doors (or trunk lid) are open, close them.

## To Disarm The System

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

- Push the unlock button on the key fob.
- Grab the Passive Entry door handle to unlock the door ↵ page 31.
- Cycle the ignition out of the OFF position to disarm the system.

### NOTE:

- The driver's door key cylinder and trunk button on the key fob cannot arm or disarm the Vehicle Security system. Use of the door key cylinder when the system is armed will sound the alarm when the door is opened.
- When the Vehicle Security system is armed, the interior power door lock switches will not unlock the doors.

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

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

### NOTE:

The alarm does not disarm when the doors are unlocked by inserting the blade of the emergency key (found inside the key fob) into the door handle lock cylinder.

## VOLUMETRIC/ANTI-LIFT PROTECTION — IF EQUIPPED

To ensure the correct operation of the Volumetric/Anti-Lift Protection system, completely close the side windows.

To disable the function, push the Volumetric/Anti-Lift Protection button before activating the alarm.

When the function is disabled, the light on the Volumetric/Anti-Lift Protection button flashes for several seconds.



Volumetric/Anti-Lift Protection Button

Any disabling of the Volumetric/Anti-Lift Protection must be repeated each time the instrument panel is switched off.

## DOORS

### POWER DOOR LOCKS

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



Door Lock And Unlock Switch Panel



### WARNING!

- Do not leave children or animals inside parked vehicles in hot weather. Interior heat buildup may cause serious injury or death.
- For personal security and safety in the event of a collision, lock the vehicle doors as you drive as well as when you park and leave the vehicle.
- Before exiting a vehicle, always shift the automatic transmission into PARK, apply the parking brake, turn the engine OFF, remove the key fob from the vehicle and lock your vehicle.

(Continued)





## WARNING!

- Never leave children alone in a vehicle, or with access to an unlocked vehicle.
- Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the gear selector.
- Do not leave the key fob in or near the vehicle, or in a location accessible to children. A child could operate power windows, other controls, or move the vehicle.



## CAUTION!

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

## LOCKING THE DOORS WITH A DEPLETED BATTERY

Proceed as follows to lock the doors if the vehicle battery is depleted.

### Rear Doors And Passenger Door

1. With the doors unlocked insert the emergency key from the key fob or a flat screwdriver into the manual release lock cylinder.



Door Lock Manual Release Lock Cylinder

2. Turn the manual release lock cylinder clockwise for the right door locks or counterclockwise for the left door locks.
3. Remove the key/screwdriver from the manual release lock.

Proceed in one of the following ways to realign the door lock device (only when the battery charge has been restored):

- Push the lock button on the key fob
- Push the unlock button on the door panel
- Unlock the driver's door lock cylinder with the emergency key
- Operate the interior door handle

### NOTE:

For the rear doors, if the Child-Protection Door Lock system is engaged, and the previously described manual locking procedure is carried out, operating the interior handle will not open the door. To open the door, the outside handle must be used. The door central locking/unlocking buttons are not deactivated when the Child-Protection Door Lock system is engaged.

## PASSIVE ENTRY SYSTEM

The Passive Entry system is an enhancement to the vehicle's key fob. This feature allows you to lock and unlock the vehicle's door(s) and trunk lid without having to push the key fob lock or unlock buttons.

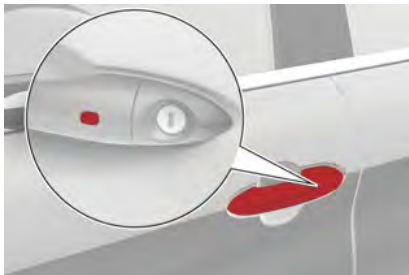
### NOTE:

- Passive Entry may be programmed on/off through the radio screen → page 180.
- The key fob may not be detected by the vehicle Passive Entry system if it is located next to a mobile phone, laptop, or other electronic device; these devices may block the key fob's wireless signal and prevent the Passive Entry system from locking/unlocking the vehicle.
- If wearing gloves, or if it has been raining/snowing, or there is salt/dirt covering the Passive Entry door handle, the unlock sensitivity can be affected, resulting in a slower response time.
- If the vehicle is unlocked by Passive Entry and no door is opened within 60 seconds, the vehicle will relock and (if equipped) will arm the Vehicle Security system.

### To Unlock From The Driver Or Passenger Side


With a valid Passive Entry key fob close to the door handle, grab the handle to unlock the vehicle. Grabbing the driver's door handle will unlock the driver door automatically. Grabbing the passenger door handle will unlock all doors and the trunk lid automatically.





Passive Entry Door Handle

**NOTE:**

- Either the driver door only or all doors will unlock when you grab the front driver's door handle, depending on the selected setting in the radio  page 180.
- All doors will unlock when the front passenger door handle is grabbed regardless of the driver's door unlock preference setting.



Exterior Trunk Lid Release Switch (Vehicles With Passive Entry)

**Frequency Operated Button Integrated Key (FOB/IK-Safe)**

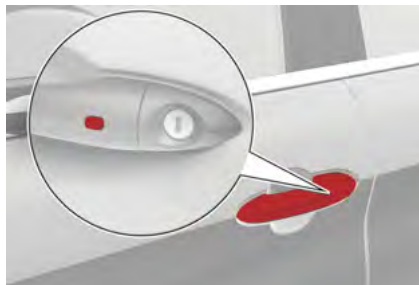
To minimize the possibility of unintentionally locking a Passive Entry key fob inside your vehicle, the Passive Entry system is equipped with an automatic door unlock feature which will function if the ignition switch is in the OFF position.

The vehicle will **not unlock** the doors if an unauthorized key fob has been detected close to the outside of the vehicle.

If the Passive Entry function is disabled through the radio screen, the protections to avoid accidentally leaving the key fob inside the vehicle are deactivated.

**To Lock The Vehicle's Doors And Trunk Lid**

With one of the vehicle's Passive Entry key fobs close to either front door handle, pushing the Passive Entry lock button will lock the vehicle.



Passive Entry Lock Button

**NOTE:**

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



Do NOT Grab The Door Handle When Locking

**NOTE:**

- After pushing the Passive Entry lock button, wait two seconds before you can lock or unlock the doors, using either Passive Entry door handle. This is done to allow you to check if the vehicle is locked by pulling the door handle without the vehicle unlocking.
- The Passive Entry system will not operate if the key fob battery is depleted.
- The vehicle doors and trunk lid can also be locked by pushing the lock button on the key fob or on the interior door lock.

**To Unlock/Enter The Trunk**

With one of the vehicle's Passive Entry key fobs close to the trunk, push the trunk lid release button.



Trunk Lid Release Button

**NOTE:**

- If the key fob is left inside of the trunk, and an attempt is made to close it from outside, the trunk lid will not lock. With the doors locked, the trunk lid unlocked, and the key fob detected inside the vehicle, the trunk lid will unlock again and the lights will flash twice.
- Before driving, make sure the trunk lid is closed correctly.

**To Lock The Trunk**

With a valid Passive Entry key fob close to the vehicle, push the Passive Entry trunk lid button, which is located next to the exterior trunk lid release button. All doors and the trunk lid will lock. Door locking will activate the alarm as well.

**NOTE:**

The trunk lid may still be locked by pushing the lock button on the key fob, pushing a Passive Entry lock button on the front door handles, or pushing the lock button on the interior door panel of the vehicle  
↪ page 316.

## AUTOMATIC DOOR LOCKS — If Equipped

The auto door lock feature default condition is enabled. When enabled, the door locks will lock automatically when the vehicle speed exceeds 12 mph (20 km/h). The auto door lock feature is enabled/disabled through the radio screen ↪ page 180.

## CHILD-PROTECTION DOOR LOCK SYSTEM — REAR DOORS

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

To use the system, open each rear door, use the emergency key from the key fob or a flat screwdriver and rotate the dial to the lock or unlock position.



Child Safety Lock Positions

**NOTE:**

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



**WARNING!**

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

**NOTE:**

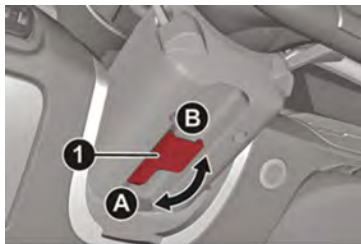
Always use this device when carrying children. After engaging the child lock on both rear doors, check for effective engagement by trying to open a door with the internal handle. Once the Child-Protection Door Lock system is engaged, it is impossible to open the doors from inside the vehicle. Before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



## STEERING WHEEL

### MANUAL TILT/TELESCOPING STEERING COLUMN

This feature allows you to tilt the steering column upward or downward. It also allows you to lengthen or shorten the steering column. The tilt/telescoping lever is located below the steering wheel at the end of the steering column.



Steering Wheel Adjustment

1 — Tilt/Telescoping Control Handle

A — Open

B — Closed



### WARNING!

- Do not adjust the steering column while driving. Adjusting the steering column while driving or driving with the steering column unlocked, could cause the driver to lose control of the vehicle. Failure to follow this warning may result in serious injury or death.
- Do not place any objects on the steering wheel (e.g. permanently fixed covers of any type or material) which could interfere with the capacitive hand detection sensor on the steering wheel of the Active Blind Spot Assist (ABSA), Lane Keeping Assist (LKA), Traffic Jam Assist (TJA) or Highway Assist (HAS) systems (if equipped).

To unlock the steering column, push the tilt/telescoping control handle down to the open position. To tilt the steering column, move the steering wheel upward or downward as desired. To lengthen or shorten the steering column, pull the steering wheel outward or push it inward as desired. To lock the steering column in position, push the tilt/telescoping control handle to the closed position.



### WARNING!

Do not install any aftermarket accessories to the steering column or wheel such as a steering wheel anti-theft locking device. Such device may damage the steering wheel or adversely affect steering system performance. This may void the New Vehicle Limited Warranty or lead to a collision resulting in serious injury or death.

## HEATED STEERING WHEEL — If Equipped



The steering wheel contains a heating element that helps warm your hands in cold weather. The heated steering wheel has only one temperature setting. The heated steering wheel may not turn on when it is

already warm.

### NOTE:

Quadrifoglio vehicles equipped with Sparco Racing Seats will not be equipped with the heated steering wheel feature.

The heated steering wheel button is located on the instrument panel and within the Comfort screen of the radio system.

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

When the function is enabled, the indicator on the button will illuminate.

### NOTE:

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

For information on use with the Remote Start system, see page 29.



## WARNING!

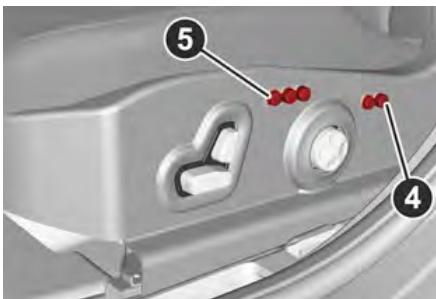
- Persons who are unable to feel pain to the skin because of advanced age, chronic illness, diabetes, spinal cord injury, medication, alcohol use, exhaustion, or other physical conditions must exercise care when using the steering wheel heater. It may cause burns even at low temperatures, especially if used for long periods.
- Do not place anything on the steering wheel that insulates against heat, such as a blanket or steering wheel covers of any type and material. This may cause the steering wheel heater to overheat.

## DRIVER MEMORY SETTINGS — IF EQUIPPED

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

- Driver seat
- Side mirrors

The memory setting switch is located on the outboard side of the driver's seat. The switch consists of three buttons, one for each memory profile.



Seatback Width Adjustment

4 — Power Adjustable Bolster Buttons

5 — Driver Memory Settings Buttons

## PROGRAMMING THE MEMORY FEATURE

To create a new memory profile, perform the following:

1. Place the vehicle's ignition in the ACC position (do not start the engine), and make sure the driver's door is closed.

### NOTE:

A memory profile can also be set for three minutes after the driver's door has been opened.

2. Adjust all memory profile settings to desired preferences, driver's seat and mirror positions.
3. Push and hold the memory button you want to program for 1.5 seconds. A chime will sound to indicate that the memory profile has been saved successfully.

### NOTE:

When a new profile has been set, the previously set profile for that button will be overwritten.

## MEMORY POSITION RECALL

To recall a previously set position, push and release the memory profile button assigned to the desired positions.

### NOTE:

Memory position recall can be done for approximately three minutes after the doors have been opened, and for approximately one minute after the ignition is placed in the OFF position.

## SEATS

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

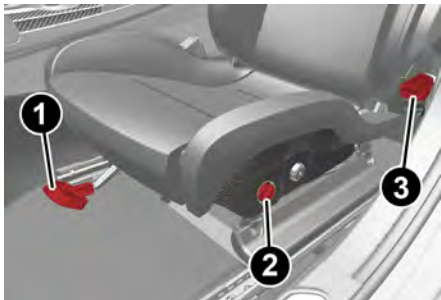


## WARNING!

- 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.



## SPARCO RACING SEATS (QUADRIFOGLIO VEHICLES) — IF EQUIPPED



Manual Seat Adjustment

- 1 — Adjustment Lever
- 2 — Height Adjustment Button
- 3 — Recline Lever

### Adjusting The Seat Forward Or Rearward

The adjustment lever is at the front of the seat, near the floor. Pull the bar upward to move the seat forward or rearward. Release the bar once the seat is in the desired position. Using body pressure, move forward and rearward on the seat to be sure that the seat adjusters have latched.

### Adjusting The Seat Up Or Down

Push the height adjustment button upward or downward to obtain your desired height.

### Reclining The Seatback

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



#### WARNING!

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



#### CAUTION!

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

### MANUAL ADJUSTMENT REAR SEATS



#### WARNING!

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

The rear seats allow for three passengers.



#### WARNING!

The center rear seat provides minimum space and limited occupant use. The center rear seat has no LATCH child restraint anchorage system and may not be used for LATCH-equipped child car seats. See [page 233](#) for further information on the LATCH anchorage system.

The center rear seat has no adjustable head restraint. No person should sit in the center rear seat if the top of the seatback is below the top of the person's ear or if the lap/shoulder belt cannot be worn in the proper position as described. See [page 220](#) for lap/shoulder operating instructions. Failure to follow this warning could result in serious injury or death in the event of a collision.



Rear Seat

## Split Folding Rear Seat

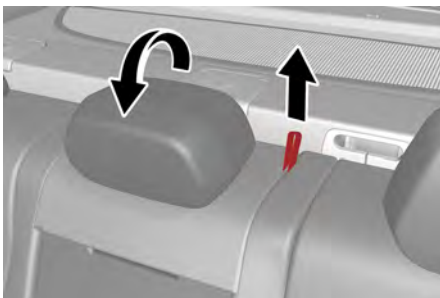
The rear seatbacks can be folded forward to provide an additional storage area.

Extending the right side of the trunk allows you to carry two passengers on the left part of the rear seat, while extending the left side allows you to carry one passenger.

## Center Seatback Section Tilting

The center seatback can be tilted forward for a “Ski Pass-Through” feature from the trunk. Before tilting the seatback, make sure that the rear center seat belt is not fastened and that there are not any objects in the middle part of the cushion.

Using the release strap, release the center part of the seatback from its housing and tilt it using the head restraint.



Center Seatback Section Tilting

## Center Seatback Section Repositioning

Using the head restraint, lift the center portion upwards, accompanying it during its movement, and lightly push to make sure that it is properly attached. Make sure that the armrest is properly attached by attempting to move it. If it is not attached, repeat the operation.

## To Lower Rear Seat

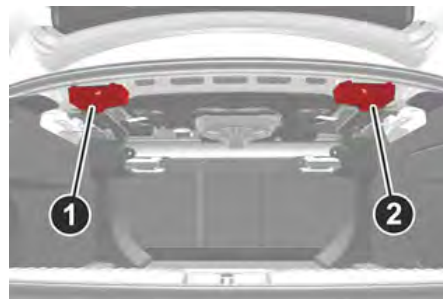
Either side of the rear seat can be lowered to allow for extended cargo space and still maintain some rear seating room.

### NOTE:

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

1. Completely lower the rear seat head restraints  
➔ page 40.
2. Place the seat belt so that it doesn't impede the movement of the seatback while tilting it.

3. From inside the luggage compartment, operate lever 1 to tilt the left part or lever 2 to tilt the right part of the seatback; it will automatically tilt forward. If necessary, assist the seatback during the initial stage of tilting.



Seat Release Levers

- 1 – Left Side Seat Release Lever
- 2 – Right Side Seat Release Lever

### NOTE:

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



**To Raise Rear Seat**

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

**NOTE:**

Make sure the seat belts are in the front of the seatback, and that they are not twisted, or trapped behind the seatbacks.

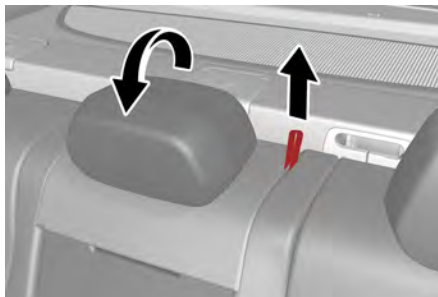
**WARNING!**

Be certain that the seatback is securely locked into position. If the seatback is not securely locked into position the seat will not provide the proper stability for child seats and/or passengers. In the event of a collision, an improperly latched seatback could result in serious injury or death.

**Center Seatback Lowering**

The center seatback can be folded forward for a “Ski Pass-Through” feature from the trunk. Before lowering the center seatback, make sure that the rear center seat belt is not fastened and that there are not any objects in the middle part of the cushion.

Using the release strap, pull upward to release the seatback and lower the center seatback forward.

**Center Seatback Lowering****Center Seatback Repositioning**

Using the head restraint, raise the center seatback, and lightly push to make sure that it is properly locked into place. If the seatback is not locked, repeat the operation.

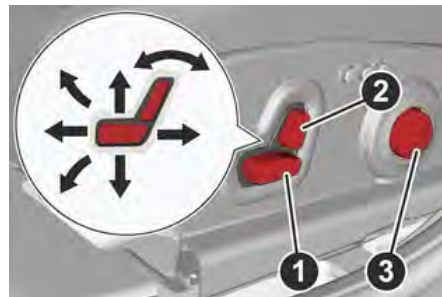
**WARNING!**

Be certain that the seatback is securely locked into position. If the seatback is not securely locked into position the seat will not provide the proper stability for child seats and/or passengers. In the event of a collision, an improperly latched seatback could result in serious injury or death.

**POWER ADJUSTMENT FRONT SEATS****NOTE:**

The seat layout may vary according to the vehicle options.

The power seat switches are located on the outboard side of the seat near the floor. Use these switches to move the driver's seat up, down, forward, rearward, or to recline the seatback.

**Power Seat Adjustment**

- 1 – Seat Adjustment
- 2 – Recline Adjustment
- 3 – Lumbar Adjustment

**Adjusting The Seat Forward Or Rearward**

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



## Adjusting The Seat Up Or Down

The height of the seats can be adjusted up or down. Pull upward or push downward on the seat switch, and the seat will move in the direction of the switch. Release the switch when the desired position is reached.

## Tilting The Seat Up Or Down — If Equipped

The seat angle can be adjusted in four directions. Lift or push the front part of seat switch to move the front part of the seat in the corresponding direction. Release the seat switch when the seat has reached the desired position.

## Reclining The Seatback

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



### WARNING!

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



### CAUTION!

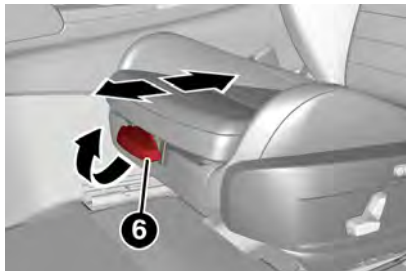
Do not place any article under a power seat or impede its ability to move as it may cause damage to the seat controls. Seat travel may become limited if movement is stopped by an obstruction in the seat's path.

## Power Lumbar

The power lumbar switch is located on the outboard side of the power seat. Push the switch forward or rearward to increase or decrease the lumbar support. Push the switch upward or downward to raise or lower the lumbar support.

## Seat Cushion Extension — If Equipped

Lift the adjustment lever and push the front of the cushion forward or rearward to extend the cushion by a few inches (centimeters).



Seat Cushion Extension

6 — Adjustment Lever

## Power Bolster Adjustment — If Equipped

Push the power bolster adjustment buttons to regulate the width of the seatback through the lateral padding.



Seatback Width Adjustment

4 — Power Adjustable Bolster Buttons  
5 — Driver Memory Settings Buttons

## Easy Entry Function

The Easy Entry function is designed to move the driver side seat forward automatically by 2.36 inches (60 mm) to make it easier for the driver to get in and out of the car.

The movement is activated only if the seat is set to a driving position which is in front of the B-pillar of the vehicle.

The function is associated with power driver seats for each of the three stored positions.

The Easy Entry function can be activated/deactivated through the radio system page 180.



**HEATED SEATS — IF EQUIPPED****WARNING!**

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

For information on use with the Remote Start system, see page 29.

**Front Heated Seats — If Equipped****NOTE:**

Quadrifoglio vehicles equipped with Sparco Racing Seats will not be equipped with the heated seat feature.



A press of the heated seat buttons located on the instrument panel, near the climate controls, will select the heat levels in order of highest to lowest. A fourth push of the button will turn the heated seat off.

**NOTE:**

The heated seat function can also be activated through the radio system page 180.

You can select three heating levels:

- Maximum — three LED indicators illuminated on the buttons
- Medium — two LED indicators illuminated on the buttons
- Minimum — one LED indicator illuminated on the buttons

**NOTE:**

- After selecting a heating level, heat will be felt within a few minutes.
- The engine must be running for the heated seats to operate.
- The “minimum” setting is automatically deactivated once a certain period of time has elapsed.

**Rear Heated Seats — If Equipped**

If equipped with rear heated seats, the controls can be found on the rear of the center console and will function the same as the front heated seat controls.

**NOTE:**

To preserve the battery charge, this function cannot be activated when the engine is off.

**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!**

- A loose head restraint thrown forward in a collision or hard stop could cause serious injury or death to occupants of the vehicle. Always securely stow removed head restraints in a location outside the occupant compartment.
- ALL the head restraints MUST be reinstalled in the vehicle to properly protect the occupants. Follow the preceding reinstallation instructions prior to operating the vehicle or occupying a seat.

**Sparco Racing Seat Head Restraints (Quadrifoglio Vehicles) — If Equipped**

Head restraints on Sparco Racing Seats (front seats) are non-adjustable and non-removable.

The non-adjustable head restraints consist of a trimmed foam covering over the upper structure of the seatbacks and are intended to help protect you and the passenger from neck injury.

Adjust the seatbacks to their upright, on-road positions so that the head restraint is positioned as close as possible to the back of your head.

**Front Head Restraints****WARNING!**

- All occupants, including the driver, should not operate a vehicle or sit in a vehicle's seat until the head restraints are placed in their proper positions in order to minimize the risk of neck injury in the event of a crash.

(Continued)



## WARNING!

- Head restraints should never be adjusted while the vehicle is in motion. Driving a vehicle with the head restraints improperly adjusted or removed could cause serious injury or death in the event of a collision.

The front head restraints may be height-adjustable.

To raise the head restraint, pull up on the head restraint until it clicks into place.

To lower the head restraint, push in the adjustment button and lower the head restraint to the desired height while holding the button. Then, release the adjustment button.

### NOTE:

To allow maximum visibility for the driver, if the head restraints are not in use, lower the head restraint all the way.

## Rear Head Restraint Adjustment



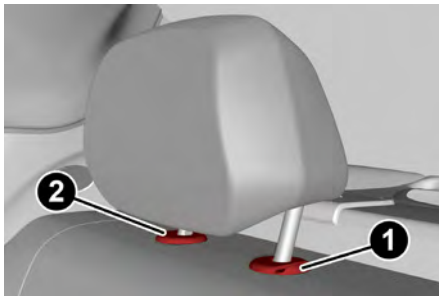
## WARNING!

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

The height of the outboard head restraints can be adjusted. The head restraint of the center seat can only be removed. The height cannot be adjusted.

For upward adjustment, pull up on the head restraint until it clicks into place.

For downward adjustment, push in the adjustment button and lower the head restraint while holding the button to the desired height.



Rear Head Restraint

1 – Adjustment Button

2 – Release Button

### NOTE:

To allow maximum visibility for the driver, if the head restraints are not in use, lower the head restraint all the way.

## Head Restraint Removal

To remove adjustable head restraints, proceed as follows:

1. Raise the head restraints to their maximum height.
2. Push the adjustment button and the release button at the side of the two supports.
3. Remove the head restraints by pulling them upwards.

To reinstall the head restraints, proceed as follows:

1. Hold down both the adjustment button and release button while placing the head restraint post into the holes.
2. Then, reposition the head restraint to the appropriate height for the passengers.



## WARNING!

- A loose head restraint thrown forward in a collision or hard stop could cause serious injury or death to occupants of the vehicle. Always securely stow removed head restraints in a location outside the occupant compartment.
- ALL the head restraints MUST be reinstalled in the vehicle to properly protect the occupants. Follow the preceding reinstallation instructions prior to operating the vehicle or occupying a seat.



## MIRRORS

### AUTOMATIC DIMMING MIRROR

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

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

You can turn the feature on or off by pushing the button at the base of the mirror.



Electrochromic Mirror Power Button



#### 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.

### VANITY MIRROR

On the driver and passenger sun visor, there is a light which illuminates the sun visor mirror when folded down.



Sun Visor Mirror

1 — Sun Visor Mirror Cover

The courtesy light turns on automatically by lifting the cover.

### Sun Visors

The sun visors are located at the sides of the interior rearview mirror. They can be adjusted forward and toward the side window.

To direct the visor toward the side window, detach the visor from the interior rearview mirror side hook and turn it towards the side window.

From this position, the sun visor can also be extended toward the rear of the vehicle for additional blockage of sunlight.

There are courtesy mirrors with lights on the back of the sun visors.



Rotate Sun Visor Toward Passenger Window

#### NOTE:

A rear facing child restraint system should never be fitted in the front passenger seat. Always comply with the instructions on the sun visor → page 233.

### OUTSIDE POWER MIRRORS

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

To adjust the power mirrors, first select the desired mirror using the power mirror control.

To adjust the selected mirror, push the knob in the direction desired.

#### NOTE:

- Once adjustment is complete, rotate the knob to the neutral position to prevent accidental movements.
- The power mirrors can be adjusted with the ignition in the ACC or ON/RUN position.



**Power Mirror Control**

- 1 – Power Mirror Control Knob
- A – Left
- B – Right
- C – Power Folding Position
- D – Neutral



**WARNING!**

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

**POWER FOLDING OUTSIDE MIRRORS**

To fold the door mirrors in using the Power Folding Mirror function, make sure the power mirror control knob is in the neutral position, and move the knob to the power folding position. Move the knob again to return the mirrors to the driving position.

If the power mirror control knob is moved again during door mirror folding (from closed to open position and vice versa), the movement direction is reversed.

**Automatic Power Folding Mirrors**

The exterior mirrors will fold in when exiting the vehicle (the ignition is OFF, all doors are closed, and the doors are locked). The mirrors return to the driving position when the vehicle is then unlocked.

If the door mirrors were folded using the power mirror control knob, they can only be returned to the driving position by moving the knob to the power folding position again.


**NOTE:**

The power folding operation can be enabled only when the vehicle speed is lower than 31 mph (50 km/h).

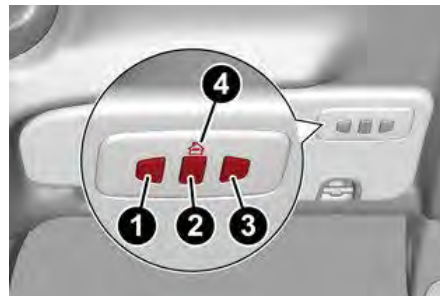
**OUTSIDE AUTOMATIC DIMMING MIRRORS — IF EQUIPPED**

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

**HEATED MIRRORS**

These mirrors are heated to melt frost or ice. This feature will be activated whenever you push the rear defrost button  in the climate controls.

**Universal Garage Door Opener (HomeLink®)**



**HomeLink® Buttons**

- 1 – HomeLink® Button 1
- 2 – HomeLink® Button 2
- 3 – HomeLink® Button 3
- 4 – HomeLink® Indicator

Use this QR code to access your digital experience.



- HomeLink® replaces up to three hand-held transmitters that operate devices such as garage door openers, motorized gates, lighting, or home security systems. The HomeLink® unit is powered by your vehicle's 12 Volt battery.
- The HomeLink® buttons that are located in the overhead console or sun visor designate the three different HomeLink® channels.



- To operate HomeLink®, push and release any of the programmed HomeLink® buttons. These buttons will activate the devices they are programmed to with each press of the corresponding HomeLink® button.
- The HomeLink® indicator light is located above the center button.

**NOTE:**

HomeLink® is disabled when the Vehicle Security system is active ➔ page 316.

## BEFORE YOU BEGIN PROGRAMMING HOME LINK®

For efficient programming and accurate transmission of the Radio Frequency (RF) signal, it is recommended that a new battery be placed in the hand-held transmitter of the device that is being programmed to the HomeLink® system. Make sure your hand-held transmitter is programmed to activate the device you are trying to program your HomeLink® button to.

Ensure that your vehicle is parked outside of the garage before you begin programming.

It is recommended that you erase all the channels of your HomeLink® before you use it for the first time.

## ERASING ALL THE HOME LINK® CHANNELS

To erase the channels, follow this procedure:

1. Place the ignition switch in the ON/RUN position.
2. Push and hold the two outside HomeLink® buttons (I and III) for up to 20 seconds, or until the HomeLink® indicator light flashes.

**NOTE:**

Erasing all channels should only be performed when programming HomeLink® for the first time. Do not erase channels when programming additional buttons.

## IDENTIFYING WHETHER YOU HAVE A ROLLING CODE OR NON-ROLLING CODE DEVICE

Before programming a device to one of your HomeLink® buttons, you must determine whether the device has a rolling code or non-rolling code.

**Rolling Code Devices**

To determine if your device has a rolling code, a good indicator is its manufacturing date. Typically, devices manufactured after 1995 have rolling codes. A device with a rolling code will also have a “LEARN” or “TRAIN” button located where the antenna is attached to the device. The button may not be immediately visible when looking at the device. The name and color of the button may vary slightly by manufacturer.

**NOTE:**

The “LEARN” or “TRAIN” button is not the button you normally use to operate the device.

**Non-rolling Code Devices**

Most devices manufactured before 1995 will not have a rolling code. These devices will also not have a “LEARN” or “TRAIN” button.

## PROGRAMMING HOME LINK® TO A GARAGE DOOR OPENER

To program any of the HomeLink® buttons to activate your garage door opener motor, proceed as follows:

**NOTE:**

All HomeLink® buttons are programmed using this procedure. You do not need to erase all channels when programming additional buttons.

1. Place the ignition switch in the ON/RUN position.
2. Place the garage door opener transmitter 1 to 3 inches (3 to 8 cm) away from the HomeLink® button you wish to program, while keeping the HomeLink® indicator light in view.

3. Push and hold the HomeLink® button you want to program while you push and hold the garage door opener transmitter button you are trying to replicate.
4. Continue to hold both buttons and observe the HomeLink® indicator light. The HomeLink® indicator light will flash slowly and then rapidly. Once this happens, release both buttons.

**NOTE:**

Make sure the garage door opener motor is plugged in before moving on to the rolling code/non-rolling code final steps.

**Rolling Code Garage Door Opener Final Steps****NOTE:**

You have 30 seconds in which to initiate rolling code final step 2, after completing rolling code final step 1.

1. At the garage door opener motor (in the garage), locate the “LEARN” or “TRAIN” button. This can usually be found where the hanging antenna wire is attached to the garage door opener motor. Firmly push and release the “LEARN” or “TRAIN” button.
2. Return to the vehicle and push the programmed HomeLink® button three times (holding the button for two seconds each time). If the garage door opener motor operates, programming is complete.
3. Push the programmed HomeLink® button to confirm that the garage door opener motor operates. If the garage door opener motor does not operate, repeat the final steps for the rolling code procedure.

**Non-Rolling Code Garage Door Opener Final Steps**

1. Push and hold the programmed HomeLink® button and observe the HomeLink® indicator light. If the HomeLink® indicator light stays on constantly, programming is complete.
2. Push the programmed HomeLink® button to confirm that the garage door opener motor operates. If the garage door opener motor does not operate, repeat the steps from the beginning.



## WARNING!

- Your motorized door or gate will open and close while you are programming the universal transmitter. Do not program the transmitter if people or pets are in the path of the door or gate.
- Do not run your vehicle in a closed garage or confined area while programming the transmitter. Exhaust gas from your vehicle contains carbon monoxide which is odorless and colorless. Carbon monoxide is poisonous when inhaled and can cause you and others to be severely injured or killed.

## PROGRAMMING HOME LINK® TO A MISCELLANEOUS DEVICE

The procedure on how to program HomeLink® to a miscellaneous device follows the same procedure as programming to a garage door opener ↪ page 44. Be sure to determine if the device has a rolling code or non-rolling code before beginning the programming process.

### NOTE:

Canadian Radio Frequency (RF) laws require transmitter signals to time-out (or quit) after several seconds of transmission, which may not be long enough for HomeLink® to pick up the signal during programming. Similar to this Canadian law, some U.S. gate operators are designed to time-out in the same manner. The procedure may need to be performed multiple times to successfully pair the device to your HomeLink® buttons.

## REPROGRAMMING A SINGLE HOME LINK® BUTTON

To reprogram a single HomeLink® button that has been previously trained, without erasing all the channels, proceed as follows. Be sure to determine whether the new device you want to program the HomeLink® button to has a rolling code, or non-rolling code.

1. Place the ignition in the ON/RUN position, without starting the engine.
2. Push and hold the desired HomeLink® button until the HomeLink® indicator light begins to flash after 20 seconds. **Do not release the button.**
3. **Without releasing the button**, proceed with Step 2 in "Programming HomeLink® To A Garage Door Opener" and follow all remaining steps.

## CANADIAN/GATE OPERATOR PROGRAMMING

For programming transmitters in Canada/United States that require the transmitter signals to "time-out" after several seconds of transmission:

Canadian Radio Frequency (RF) laws require transmitter signals to time-out (or quit) after several seconds of transmission, which may not be long enough for HomeLink® to pick up the signal during programming. Similar to this Canadian law, some U.S. gate operators are designed to time-out in the same manner.

It may be helpful to unplug the device during the cycling process to prevent possible overheating of the garage door or gate motor.

1. Place the ignition in the ON/RUN position.

### NOTE:

For vehicles equipped with Passive Entry, place the ignition in the RUN position. Make sure while programming HomeLink® with the engine on that your vehicle is outside of your garage, or that the garage door remains open at all times.

2. Place the hand-held transmitter 1 to 3 inches (3 to 8 cm) away from the HomeLink® button you wish to program while keeping the HomeLink® indicator light in view.
3. Continue to push and hold the HomeLink® button while you push and release (cycle) your hand-held transmitter every two seconds until HomeLink® has successfully accepted the frequency signal. The indicator light will flash slowly and then rapidly when fully trained.
4. Watch for the HomeLink® indicator to change flash rates. When it changes, it is programmed. It may take up to 30 seconds or longer in rare cases. The garage door may open and close while you are programming.
5. Push and hold the programmed HomeLink® button and observe the indicator light.

### NOTE:

- If the indicator light stays on constantly, programming is complete and the garage door/device should activate when the HomeLink® button is pushed.
- To program the two remaining HomeLink® buttons, repeat each step for each remaining button. **DO NOT** erase the channels.

If you unplugged the garage door opener/device for programming, plug it back in at this time.



### Reprogramming A Single HomeLink® Button (Canadian/Gate Operator)

To reprogram a channel that has been previously trained, follow these steps:

1. Place the ignition in the ON/RUN position.
2. Press and hold the desired HomeLink® button until the indicator light begins to flash after 20 seconds. Do not release the button.
3. Without releasing the button, proceed with “Canadian/Gate Operator Programming” Step 2 and follow all remaining steps.

### SECURITY

It is advised to erase all channels before you sell or turn in your vehicle.

To do this, push and hold the two outside buttons for 20 seconds until the indicator flashes. Note that all channels will be erased. Individual channels cannot be erased.

The HomeLink® universal transmitter is disabled when the Vehicle Security system is active.

### TROUBLESHOOTING TIPS

If you are having trouble programming HomeLink®, here are some of the most common solutions:

- Replace the battery in the garage door opener hand-held transmitter.
- Push the LEARN button on the garage door opener to complete the training for a rolling code.
- Did you unplug the device for programming and remember to plug it back in?

If you have any problems, or require assistance, please call toll-free 1-800-355-3515 or visit HomeLink.com for information or assistance.




### WARNING!

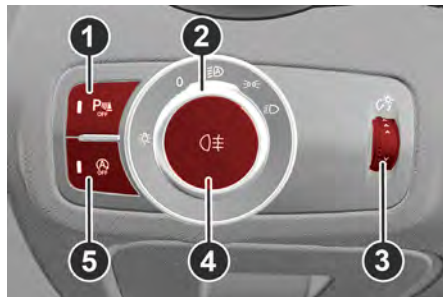
- Vehicle exhaust contains carbon monoxide, a dangerous gas. Do not run your vehicle in the garage while programming the transmitter. Exhaust gas can cause serious injury or death.
- Your motorized door or gate will open and close while you are programming the universal transmitter. Do not program the transmitter if people, pets or other objects are in the path of the door or gate. Only use this transmitter with a garage door opener that has a “stop and reverse” feature as required by Federal safety standards. This includes most garage door opener models manufactured after 1982. Do not use a garage door opener without these safety features.

## EXTERIOR LIGHTS

### HEADLIGHT SWITCH

The headlight switch is located on the left side of the instrument panel, next to the steering wheel. The headlight switch controls the operation of the headlights, parking lights, instrument panel lights, instrument panel light dimming, interior lights and rear fog lights.

In addition, there are buttons for the ParkSense system and Engine Stop/Start  page 85.



Headlight Switch


- 1 – ParkSense Button
- 2 – Parking Lights, Daylight Running Lights, Headlight Switch
- 3 – Instrument Panel Dimmer
- 4 – Rear Fog Light Button
- 5 – Engine Stop/Start Button

The instrument panel and the various controls on the dashboard will be illuminated when the exterior lights are turned on.

To turn on the headlights, rotate the headlight switch clockwise. When the headlight switch is on, the parking lights, taillights, license plate light and instrument panel lights are also turned on. To turn off the headlights, rotate the headlight switch back to the 0 (off) position.



## DAYTIME RUNNING LIGHTS (DRLs)

The Daytime Running Lights (DRLs) (low intensity) come on automatically whenever the ignition is placed in the ON/RUN position, and the headlight switch is turned to the  position, and the dusk sensor detects sufficient external light.

On some vehicles, the Daytime Running Lights may deactivate, or reduce intensity, on one side of the vehicle (when a turn signal is activated on that side), or on both sides of the vehicle (when the hazard warning lights are activated).



The DRL can be activated/deactivated from the radio system, by selecting the following functions in sequence on the main MENU:


1. Settings
2. Lights
3. Daytime Running Lights

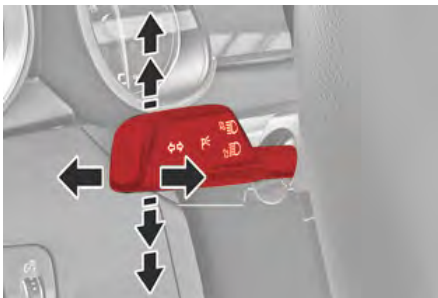
### NOTE:

The Daytime Running Lights **cannot** be deactivated in Canadian markets.

## HIGH BEAM HEADLIGHTS

Push the multifunction lever towards the instrument panel to switch the headlights to high beams. The headlight switch must be turned to the  (AUTO) or  (on) position.


The  High Beam Indicator on the instrument panel will illuminate when the high beams are on.



Multifunction Lever


Pulling the multifunction lever back will turn the low beams on.

## AUTOMATIC HEADLIGHTS

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

### NOTE:


The function can only operate with the ignition placed in the ON/RUN position.


To turn the automatic headlights off, turn the headlight switch out of the  (AUTO) position.

## FLASH-TO-PASS

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


## AUTOMATIC HIGH BEAM HEADLIGHTS — IF EQUIPPED

The Automatic High Beam Headlights system provides increased forward lighting at night by automating high beam control through the use of a camera mounted on the windshield. This camera detects vehicle specific light and automatically switches from high beams to low beams until the approaching vehicle is out of view. This function is enabled with the radio system, and can only be activated with the light switch turned to  (AUTO).

If the high beam headlights are on, the blue icon/indicator light  will illuminate in the instrument panel.


When the speed is higher than 25 mph (40 km/h) and the function is active, the lights will turn off if the multifunction lever is pushed again.

When the speed is lower than 15 mph (25 km/h) and the function is active, the function switches the high beam headlights off.

If the high beam headlights are operated quickly again (pushing the multifunction lever towards the instrument panel), the icon/indicator light  will illuminate in the instrument panel, and the high beam headlights will turn on constantly until the speed exceeds 25 mph (40 km/h).

When the speed of 25 mph (40 km/h) is exceeded again, the automatic functioning is reactivated.

If the multifunction lever is pushed again with the Automatic High Beam Headlights activated, the Automatic High Beam Headlights function deactivates.


To deactivate the automatic headlight function, rotate the headlight switch to the  position.




**NOTE:**

- If the system recognizes heavy traffic areas, the automatic functions remain disabled independently of the vehicle's speed.
- The Automatic High Beam functionality may also be influenced by:
  - Reflections on road signs
  - Dim headlights from oncoming traffic
  - Poor weather conditions
  - Presence of dirt or other obstructions on the sensor
  - Damage to the windshield


**PARKING LIGHTS**

To turn on the parking lights and instrument panel lights, rotate the headlight switch clockwise to the  position. All of the parking lights will turn on for eight minutes, and opening the door activates an audible warning.


To leave only the lights on one side (right/left) illuminated, move the multifunction lever (located on the left side of the steering wheel) to the side that you want to remain on. With the parking lights on, the  indicator light on the instrument panel will illuminate.

To turn off the parking lights, rotate the headlight switch back to the 0 (off) position.

**HEADLIGHT ILLUMINATION ON APPROACH**

When enabled, the headlights, exterior door handle pocket lights (if equipped), and interior lights will illuminate when the unlock button on the key fob is pushed as the operator is approaching the vehicle. This feature can be turned on/off, and the length of time the headlights stay on can be programmed for up to 90 seconds within the radio system  page 180.

**Proximity Wake-Up — If Equipped**

This feature is enabled/disabled within the radio system, and is activated when the operator approaches the driver's door, passenger's door, or liftgate with a valid key fob on their person. Some exterior and interior lights will illuminate in order to provide an increased sense of welcome and security as the operator approaches the vehicle in the dark. "Headlight Illumination On Approach" must be selected and set to a time value other than zero within the radio for Proximity Wake-Up to activate  page 180.

The doors may be locked or unlocked for this feature to activate, as long as the ignition is in the OFF position, or during a Remote Start event. It will not activate if the doors are locked and the ignition was placed in the ON/RUN position.

**NOTE:**

Proximity Wake-Up may not activate under the following conditions:

- After numerous consecutive activations, in order to conserve the vehicle's battery
- After the vehicle's engine has been off for several days

**HEADLIGHT OFF DELAY**

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


The function can be activated from the radio system by selecting the following functions in sequence on the main menu:

1. Settings
2. Lights
3. Headlight Off Delay

**REAR FOG LIGHT**

The rear fog lights may be operated as desired when visibility is poor due to fog. The rear fog light button is integrated with the headlight switch.

Push the  button to turn the rear fog lights on/off.

The lights can be turned off by pushing the  button again or by turning the headlight switch to the 0 (off) position and holding it there for a few seconds.

**NOTE:**

The headlight switch must first be turned to the parking lights or headlights position before the rear fog light button can be pushed.

When the engine is stopped with the rear fog lights on, they will remain off the next time the engine is started.

**ADAPTIVE FRONTLIGHT SYSTEM (AFS FUNCTION) — IF EQUIPPED**



This is a system combined with Xenon headlights (Bi-Xenon 35 W headlamp if equipped) which directs the headlights horizontally, and continuously and automatically adapts them to the driving conditions around bends or when cornering.

The system directs the headlights to light up the road in the best way, taking into account the speed of the vehicle and the bend or corner angle, as well as the speed at which the steering wheel is turned.

The adaptive lights are automatically activated when the vehicle is started.

## TURN SIGNALS

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

The  or  turn signal will blink on the instrument panel.

## LANE CHANGE ASSIST

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

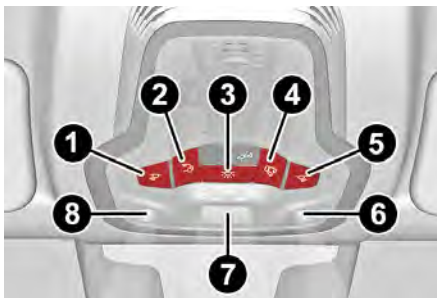
To turn off the flashing before the end of the cycle, move the lever in the opposite direction until the first click (about half way).

## INTERIOR LIGHTS

Courtesy lights are turned on when the front doors are opened or when the dimmer control is rotated to its farthest upward position. The glove compartment light turns on automatically when the glove compartment is opened and turn off when it is closed. The door courtesy lights illuminate when one of the front doors is opened, and turn off when it is closed. The trunk courtesy lights turn on automatically when the trunk is opened and turn off when it is closed. All of these lights turn on and off regardless of the ignition status.

## FRONT MAP READING LIGHTS

The front map/reading and overhead lights are mounted in the overhead console. Each light can be turned on by pushing the corresponding switch on the console. These switches are backlit for nighttime visibility. To turn the lights off, push the switch a second time.



Overhead Console

- 1 — Driver's Reading/Map Light Switch
- 2 — Rear Overhead Lights Switch
- 3 — Overhead Lights Switch
- 4 — Front Map Reading Lights Switch
- 5 — Passenger's Reading/Map Light Switch
- 6 — Passenger's Reading/Map Light
- 7 — Center Reading/Map Light
- 8 — Driver's Reading/Map Light

### NOTE:

Before getting out of the vehicle, ensure that the overhead lights are off. This will prevent the battery level from being drained once the doors are closed. If a light is left on accidentally, the overhead lights turn off automatically approximately 15 minutes after the engine has been turned off.

### Overhead Light Timing

To assist getting in and out of the vehicle at night or in poorly-lit areas, two timed modes are available to keep the interior lighting on after the engine is turned off.

### Timing While Getting Into The Vehicle

The overhead lights will illuminate as follows:

- For a few seconds when the doors are unlocked.
- For approximately three minutes when one of the doors is opened.
- For a few seconds when the doors are locked.

Timing is interrupted when the ignition is placed in the ON/RUN position.

### Exiting Overhead Light Timing

The overhead lights will turn off as follows:

- After all doors are closed upon entering the vehicle, the three minute timer will stop and a second timer will start for the overhead lights. This timing will end when the ignition is placed in the ON/RUN position.
- When the doors are locked.
- After 15 minutes to preserve the battery.

### Timing While Getting Out Of The Vehicle

After placing the ignition in the OFF position, the overhead lights will turn on as follows:

- For a few seconds after the engine stops.
- For approximately three minutes when one of the doors is opened.
- For a few seconds when the last door is closed.

The timing ends automatically when the doors are locked.

## INTERIOR AMBIENT LIGHTING

The brightness of the interior passenger compartment lights can be adjusted through the radio system.

To access the adjustment function, on the main menu select the following items in sequence:

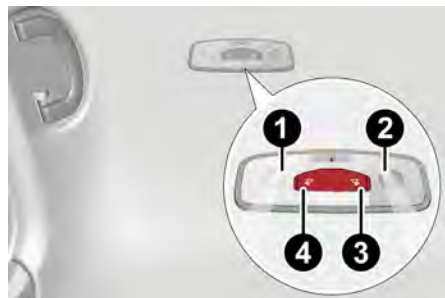
1. Settings
2. Lights
3. Interior Ambient Lighting

The lights can be adjusted to seven different levels of brightness.



## REAR OVERHEAD LIGHT

The rear overhead lights are activated or deactivated by two on/off switches located within the lights on the ceiling above the rear seats.



Rear Overhead Light

- 1 — Passenger Rear Overhead Light
- 2 — Driver Rear Overhead Light
- 3 — Driver Rear Overhead Light Switch
- 4 — Passenger Rear Overhead Light Switch

The light turns on when a door is opened.

### NOTE:

The light will turn off automatically after a few minutes if a door is left open. To turn it on again, open another door or close and reopen the same door.

## INSTRUMENT PANEL DIMMER CONTROL

With the daytime running lights or headlights on, push the dimmer control upward and hold to increase the instrument panel brightness and the control button icons. Push the dimmer control downward and hold to decrease brightness. Release the control when the desired brightness level has been reached.



Dimmer Control

## WINDSHIELD WIPERS AND WASHERS

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

The windshield wipers will only operate with the ignition in the ACC or ON/RUN position.



### 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 OPERATION

Rotating the switch to the Low Continuous Wiper Speed position (2) activates the first (low) level continuous speed of the windshield wipers in manual mode.

Rotating the switch to the High Continuous Wiper Speed position (1) activates the second (high) level continuous speed of the windshield wipers in manual mode.



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### Windshield Wiper Switch

- 1 – High Continuous Wiper Speed
- 2 – Low Continuous Wiper Speed
- 3 – High Sensitivity Rain Sensing
- 4 – Low Sensitivity Rain Sensing
- 5 – Windshield Wiper Off

#### NOTE:

Your vehicle may also be equipped with a Menu View button at the end of your Windshield Wiper Stalk, for more information see ↪ page 69.

### Rain Sensors

Rotating the switch to the Low Sensitivity Rain Sensing position (4), activates the first, less sensitive level of the Rain Sensing function.

Rotating the switch to the High Sensitivity Rain Sensing position (3), activates the second, more sensitive level of the Rain Sensing function ↪ page 51.

### Windshield Washer

To use the washer, pull the windshield wiper lever toward the steering wheel and hold.

Both the windshield washer jet and the windshield wipers will be activated. The wipers and washers will continue to operate until you let go of the lever.

The windshield wipers stop working three strokes after the lever is released, followed by a final stroke six seconds later to complete the cycle.

#### Mist

Push the lever upward to the MIST position and release for a single wiping cycle.

#### NOTE:

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

For information on wiper care and replacement, see ↪ page 269.



### WARNING!

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

## RAIN SENSING WIPERS

This feature senses rain or snowfall on the windshield and automatically activates the wipers. The Rain Sensor is located behind the interior rearview mirror.



### Rain Sensor

Rotate the end of the multifunction lever to one of four settings to activate this feature.

The sensor has an adjustment range that varies progressively from wiper still (no stroke) when the windshield is dry, to wiper at continuous speed (fast operation) with intense rain.

#### Activation

Rotating the wiper switch to the Low Sensitivity Rain Sensing position (4) or High Sensitivity Rain Sensing position (3) activates the rain sensor.

The activation of the rain sensor system is done by tapping the wiper stalk upwards while the switch is in the Low Sensitivity Rain Sensing position (4) or High Sensitivity Rain Sensing position (3).

The variation in sensitivity during rain sensor operation is also signaled by a stroke of the wiper.



If the windshield washer is used with the rain sensor activated, the normal washing cycle is performed, and then the rain sensor resumes its normal automatic operation.

**NOTE:**

- Keep the glass in the sensor area clean.
- With the windshield wiper lever in the Low Sensitivity Rain Sensing position (4) or High Sensitivity Rain Sensing position (3), wiping operates automatically and is disabled when the outside temperature is below 32°F (0°C).

**Deactivation**

To turn off the Rain Sensing Wipers, use the wiper switch or place the ignition in the OFF position.

In the event of malfunction of the rain sensor while it is active, the windshield wiper operates intermittently at a speed consistent with the sensitivity setting of the rain sensor, whether or not there is rain on the glass for as long as the sensor failure is indicated on the display.

The sensor continues to operate and it is possible to set the windshield wiper to continuous mode (1 or 2). The failure indication remains on for as long as the sensor is active.

The rain sensor is able to recognize and automatically adjust itself in the presence of the following conditions:

- Presence of dirt on the controlled surface (salt, dirt, etc.).
- Presence of streaks of water caused by the worn window wiper blades.
- Difference between day and night.

**HEADLIGHT WASHERS — If EQUIPPED**

The windshield wiper lever operates the headlight washers when the ignition is in the ON position and the headlights are turned on. To use the headlight washers, pull the lever toward you and release it. The headlight washers will spray a timed high-pressure spray of washer fluid onto each headlight lens. In addition, the windshield washers will spray the windshield and the windshield wipers will cycle.

**NOTE:**

The headlight washers work on every tenth wash cycle request.

**WINDSHIELD WIPER De-ICER — If EQUIPPED**

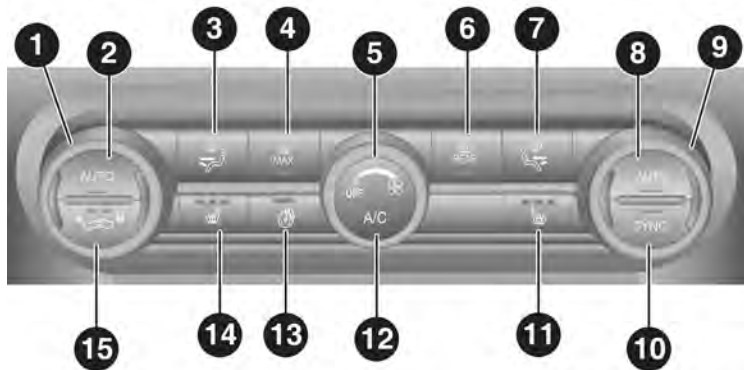
Your vehicle may be equipped with a Windshield Wiper De-Icer feature that may be activated under the following conditions:

- Activation By Front Defrost** — The Windshield Wiper De-Icer shall be activated automatically in the case of a cold weather manual start with full front defrost, and when the ambient temperature is below 33°F (0.6°C).
- Activation By Rear Defrost** — The Windshield Wiper De-Icer shall be activated automatically when the rear defrost is turned on and when the ambient temperature is below 33°F (0.6°C).
- Activation By Remote Start Operation** — When Remote Start is active and the outside ambient temperature is less than 33°F (0.6°C), the Windshield Wiper De-Icer will activate. Exiting Remote Start will resume its previous operation. If the Windshield Wiper De-Icer was active, the timer and operation will continue.

# CLIMATE CONTROL

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

## AUTOMATIC DUAL-ZONE CLIMATE CONTROL SYSTEM



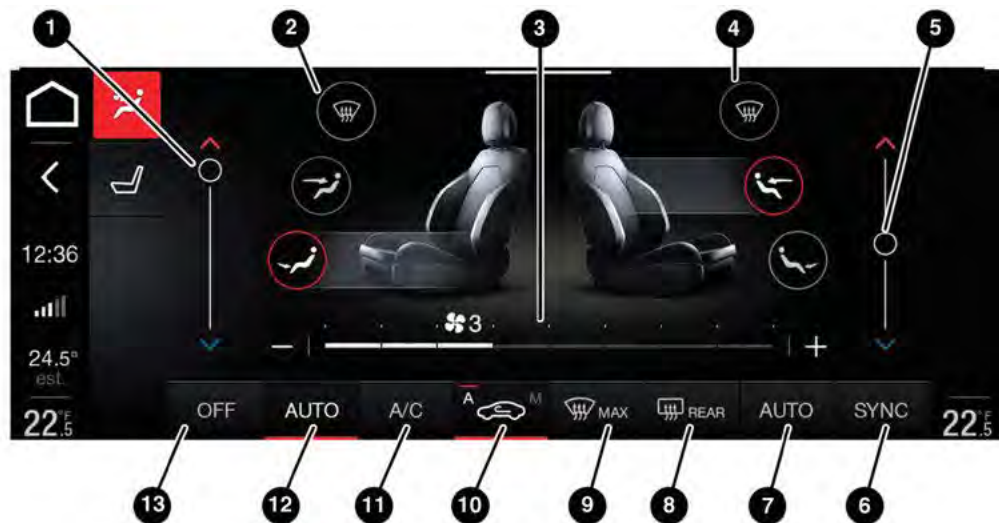
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### Automatic Climate Control System (Instrument Panel Controls)

- 1 – Driver Temperature Adjustment Knob
- 2 – Driver Side AUTO Button (Automatic Operation)
- 3 – Driver Side Air Distribution Selection Button
- 4 – Max Defrost Button
- 5 – Blower Speed Adjustment Knob
- 6 – Rear Defrost Button
- 7 – Passenger Side Air Distribution Selection Button
- 8 – Passenger Side AUTO Button (Automatic Operation)

- 9 – Passenger Temperature Adjustment Knob
- 10 – SYNC Button (Set Temperature Alignment) Driver/Passenger Side
- 11 – Passenger Heated Seat Button – If Equipped
- 12 – Air Conditioning Button
- 13 – Steering Wheel Heater Button – If Equipped
- 14 – Driver Side Heated Seat Button – If Equipped
- 15 – Air Recirculation Button





Automatic Climate Control System (Touchscreen Controls)

- |  |   |
|--|---|
| 1 — Driver Side Temperature Adjustment Bar           | 8 — Heated Rear Window On/Off Button                                    |
| 2 — Driver Side Air Distribution Buttons             | 9 — MAX-DEF Activation/Deactivation Button (Rapid Defrosting/Demisting) |
| 3 — Fan Speed Adjustment Button                      | 10 — Air Recirculation On/Off Button                                    |
| 4 — Passenger Side Air Distribution Buttons          | 11 — Climate Control System Compressor On/Off Button                    |
| 5 — Passenger Side Temperature Adjustment Bar        | 12 — Driver Side AUTO Button (Automatic Operation)                      |
| 6 — SYNC Button                                      | 13 — Climate Control System On/Off Button                               |
| 7 — Passenger Side AUTO Button (Automatic Operation) |   |





## CAUTION!

The system uses R1234yf refrigerant, which does not pollute the environment in the event of accidental leakage. Under no circumstances, use R134a and R12 fluids, which are incompatible with the components of this system.

## Description

The Automatic Dual Zone Climate Control System adjusts the temperature and air distribution independently between the driver and passenger.

The system maintains the set temperature inside the passenger compartment and compensates for outside temperature change.

### NOTE:

The reference temperature is 72 °F (22 °C) for optimal comfort management.

The automatic setting will adjust the following to maintain comfort within the passenger compartment:

- Air temperature from the driver/front passenger side vents
- Air distribution from the driver/front passenger side vents
- Fan speed (continuous variation of the air flow)
- Compressor variations (for cooling/dehumidifying the air)
- Air recirculation

The Climate Control system can also be operated manually by using the buttons and knobs on the faceplate.

Manual selections will override the automatic settings, which are stored until the AUTO button is pushed. If the system intervenes for safety reasons, the automatic setting will take control of the system.

The following operations will not deactivate the automatic (AUTO) function:

- Air Recirculation activation/deactivation
- A/C activation/deactivation
- SYNC function activation
- Rear Window Defrost activation/deactivation

When in AUTO mode, the vehicle's internal temperature is controlled according to the set temperature.

The following can be manually set or adjusted:

- Driver/passenger air temperature
- Blower speed (continuous variation)
- Air distribution (seven positions for driver and passenger)
- A/C activation
- Front Defrost
- Air recirculation
- Rear Defrost
- System deactivation

## A/C Compressor

Push the A/C button or the icon to activate or deactivate the A/C compressor (indicator illuminated when activated). The A/C compressor will remain off even after the engine has stopped.

When the A/C compressor is turned off, the system deactivates air recirculation to prevent the windows from fogging up. If the climate control system can maintain the temperature, with the A/C turned off, the AUTO feature will remain on and the AUTO button indicator light will not switch off.

To restore automatic control of the A/C compressor, push the A/C button or the AUTO button. With the A/C compressor off, the air speed can be set manually using the Air Speed Adjustment Knob.

When the A/C compressor is on, and the engine is running, air speed cannot be lower than the minimum speed (only one indicator light is lit).


### NOTE:


When the A/C is off, the Climate Control system can not produce air that is colder than the current outside temperature. Under certain environmental conditions, windows could fog up rapidly, since the air is not dehumidified.

## Air Recirculation And Air Quality System (AQS)



Air Recirculation is managed according to the following operating mode:

- Automatic engagement: indicator is illuminated above the "A" on the Air Recirculation Button
- Forced activation (air circulation always activated): indicator illuminated above the  icon on the Air Recirculation Button
- Forced deactivation (air recirculation always off with intake of outside air): both indicators not illuminated on the Air Recirculation Button

The three operating conditions are obtained by pushing the Air Recirculation Button  in sequence.

### Enabling The Air Quality System (AQS) Function – If Equipped

When the automatic recirculation function is selected, the AQS function automatically activates internal air recirculation when the outside air is polluted (e.g. in heavy traffic and tunnels).



At low external temperatures or in high humidity, the automatic function turns off to avoid fogging up the windows. The user can select the function again by pushing the Air Recirculation Button.

In automatic operation, air recirculation will be controlled by the system according to outside environmental conditions.

**NOTE:**

- With the AQS function active and after the internal air recirculation system has been functioning for a set amount of time, the Climate Control System enables air intake to cycle the air in the passenger compartment for a set time. The AQS function is disabled during the air changes.
- The engagement of the recirculation system makes it possible to reach the required heating or cooling conditions faster. It is, however, inadvisable to use it on rainy/cold days as it can increase the possibility of the windows fogging. When the outside temperature is low, recirculation is forced off to prevent the windows from fogging up.

**Front Defrost**



Air comes from the windshield and side window demist outlets. Use Defrost mode with maximum temperature settings for best windshield and side window defrosting and defogging.

**Rear Defrost**



Push the Rear Defrost button to activate (indicator illuminated) the Rear Defrost.

The Rear Defrost will turn off after 20 minutes or once the engine is turned off.

**NOTE:**

To avoid damage, do not apply stickers over the interior heating filaments of the Rear Defrost.

**Front Defrost And MAX-DEF Function**



Push the MAX-DEF button (indicator illuminated) to defrost the windshield and side windows.

While in MAX-DEF function, the air conditioner will:

- Activate the air conditioner compressor when the weather allows
- Turn air recirculation off
- Set the maximum air temperature (HI) on both the driver and passenger side
- Activate a blower speed based on the temperature of the engine coolant
- Adjust the air flow towards the windshield and front side windows
- Activate the Rear Window Defrost
- Display the fan speed (indicators illuminated) and current air distribution setting

**NOTE:**

The MAX-DEF function remains active for approximately three minutes once the engine coolant reaches the proper temperature.

When the function is on, AUTO mode will deactivate. The only manual operations possible are adjusting blower speed and turning off the Rear Window Defrost.

Pushing the "MAX" button switches off the MAX-DEF function.

**Air Temperature Adjustment**

Rotate the driver or passenger Temperature Adjustment Knob clockwise for warmer temperatures or counterclockwise for cooler temperatures. The set temperatures are shown on the radio system.

Push the SYNC button to sync the driver and passenger air temperatures.

Rotate the passenger Temperature Adjustment Knob to cancel the SYNC function. This will set a new passenger side temperature.

Rotate the Temperature Adjustment Knob fully clockwise to engage the HI (maximum heating) setting or fully counterclockwise to engage the LO (maximum cooling) setting. To deactivate these functions, rotate the Temperature Adjustment Knob to the desired temperature.

Rear passengers' temperature is linked to driver side selection.

**AUTO Button**

When the AUTO button is pushed (indicator illuminated), the Climate Control system automatically adjusts the following settings:

- Quantity and distribution of air flow in the passenger compartment
- The air conditioner
- Air recirculation
- Cancels any manual settings

Selecting the AUTO function illuminates the indicator on the A/C button.

If air distribution or the fan speed is manually adjusted, the AUTO button indicator turns off to indicate that the Climate Control system is no longer in AUTO mode.

After a manual adjustment, push the AUTO button to resume the automatic system.

## SYNC Button

Push the SYNC button (indicator illuminated) to sync the passenger side air temperature with the driver side air temperature.

This function makes temperature regulation easier when the driver is traveling alone.

Turn the passenger Temperature Adjustment Knob or push the passenger side Air Distribution Selection Button to change the passenger side air temperature and return to separate air temperature management.

## Blower Speed

Turn the Blower Speed Knob to increase or decrease the blower speed. The speed is displayed with lighted indicators in the radio system display.

- Maximum fan speed = all indicators illuminated on the radio system display
- Minimum fan speed = one indicator illuminated on the radio system display

The fan can be turned off by rotating the Blower Speed Knob counterclockwise to the off position (all segments on the radio system display are turned off).

### NOTE:

To restore automatic control of the fan speed, push the AUTO button.

## Air Distribution Selection

Push the Air Distribution Selection button on the faceplate to change the mode of air distribution.

### NOTE:

In AUTO mode, the Climate Controls automatically manage the air distribution. When set manually, the respective symbols on the radio system indicate the air distribution setting.

## Panel Mode



Air comes from the outlets in the instrument panel to ventilate the chest and face. Each of these outlets can be individually adjusted to direct the flow of air.

The air vanes of the center outlets and outdoor outlets can be moved up and down or side to side to regulate airflow direction. There is a shut-off wheel located below the air vanes to shut off or adjust the amount of airflow from these outlets.

## Bi-Level Mode



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

### NOTE:

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

## Floor Mode



Air comes from the floor outlets. A slight amount of air is directed through the defrost and side window demister outlets. This setting heats the passenger compartment the quickest.

## Mix Mode



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

## Front Defrost And Panel Mode



Air flow is distributed between the windshield demisting/defrosting vents and side/central dashboard vents. This setting allows air to flow to the windshield on sunny days.

## Front Defrost And Bi-Level Mode



Air flow is distributed to all vents.

## Switching The Climate Control System On/Off

### To Turn Off The Climate Control System

Rotate the Air Speed Adjustment Knob completely counterclockwise to turn off the Climate Control system.

When the air conditioner is off:

- Air recirculation is on
- The A/C compressor is off
- The fan is off
- The heated rear window can be activated/deactivated

### NOTE:

The climate control system stores the previously set temperatures and resumes operation when any button on the system is pushed.

### To Turn On The Climate Control System

To switch the climate control system on in automatic mode, push the AUTO button.



## Operating Mode

The Climate Control system can be activated in different ways. It is recommended to use the automatic function. Push the AUTO button and set the desired temperatures.

The automatic system adjusts the temperature, quantity, and distribution of air introduced into the passenger compartment. It also controls air recirculation and the activation of the air conditioner.

At any time during automatic operation, you can change the temperature, activate or deactivate the Rear Defrost, activate SYNC, activate or deactivate the air conditioner, and activate or deactivate air recirculation. The system will automatically adjust to the new settings.

## Climate Control Display Settings

The Climate Control settings are visible on the radio screen.

The display on the radio system is a pop-up window, which is activated by pushing the buttons or turning the knobs on the Climate Control system. The indicator lights located on the number of buttons and knobs indicate that the selected feature is on/off. If no operation is performed for a predetermined time, the pop-up will close on the display.

## Humidity Sensor

The Humidity Sensor helps prevent the windows from fogging up. The AUTO function (indicator illuminated) must be on for the Humidity Sensor to function.

When outside temperature is low, the system may turn the compressor on and turn air recirculation off for safer driving.

## Stop/Start

The Stop/Start system shuts off the engine when the vehicle speed is 0 mph (0 km/h), as a fuel conservation measure.

In order to maintain comfort in the cabin, the Stop/Start feature will not activate if any of the following conditions exist:

- The climate control system is in AUTO mode (indicator illuminated), and the vehicle has yet to reach the set temperature
- The climate control system is in LO maximum cooling
- The climate control system is in HI maximum heating
- The climate control system is in the MAX-DEF status

When the Stop/Start system is active, the engine will restart if the inside temperature changes significantly, or if the LO setting, or MAX-DEF setting, is activated.

With the Stop/Start system on (engine is off), air flow is reduced to keep the compartment comfort conditions for longer.

Until the temperature drastically changes within the cabin, the climate control system will continue to maintain the temperature while the engine is off. By deactivating the Stop/Start system with the (A) button (located by the headlight switch), the climate control system operates normally according to the settings.

### NOTE:

- In harsh climate conditions, limit the use of the Stop/Start system to prevent the compressor from continuously switching on and off. This will prevent rapid misting of the windows and the accumulation of humidity in the passenger compartment.
- When the Stop/Start system is on, the climate control system will always take air in from outside, reducing the probability of the windows fogging up.

## System Maintenance

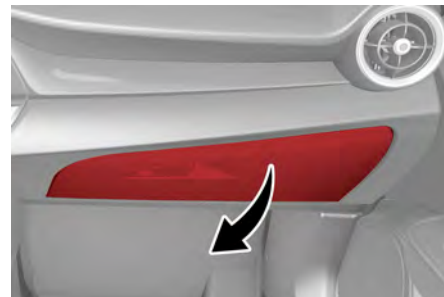
In winter months, the Climate Control system must be turned on at least once a month for approximately ten minutes.

Have the system inspected at an authorized dealer before the summer.

## INTERIOR STORAGE AND EQUIPMENT

### GLOVE COMPARTMENT

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



Opening The Glove Compartment

Pull the release handle to open the glove compartment. When the glove compartment is opened, a light turns on to illuminate the inside of the compartment.

#### NOTE:

- If equipped with a lock, unlock the glove compartment by placing the emergency key in the lock on the handle.
- Do not insert large objects that will prevent the glove compartment from closing completely.



#### WARNING!

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

### CENTER CONSOLE

The center console storage compartment is located between the front seats.

To access the center console storage, push the button under the front of the armrest to raise the cover as shown in the following figure.



Center Console



#### WARNING!

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

### POWER OUTLET

Your vehicle is equipped with a 12 Volt (15 Amp) power outlet that can be used to power cellular phones, small electronics and other low powered electrical accessories. The power outlet is labeled with a key symbol to indicate how the outlet is powered. Power outlets labeled with a key are powered when the ignition is in the ON/RUN or ACC position.

#### NOTE:

All accessories connected to powered outlets should be removed or turned off when the vehicle is not in use to protect the battery against discharge.

#### 115 Volt Power Inverter — If Equipped

The Power Inverter is located inside of the center console. It can be used for small battery-powered electrical appliances with powers up to 150 W (e.g. cameras, video camera, tablets, razors, etc.).

#### NOTE:

Do not connect devices with powers higher than 150 W to the socket. Do not damage the socket by using unsuitable adapters.



Center Console Power Outlet



#### 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!**

- Power outlets are designed for accessory plugs only. Do not insert any other object in the power outlets as this will damage the outlet and blow the fuse. Improper use of the power outlet can cause damage not covered by your New Vehicle Limited Warranty.
- 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 greater caution.
- After the use of high power draw accessories, or long periods of the vehicle not being started (with accessories still plugged in), the vehicle must be driven a sufficient length of time to allow the generator to recharge the vehicle's battery.

**WIRELESS CHARGING PAD — If EQUIPPED****Wireless Charging Pad**

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

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

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

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

**LED Indicator Status:**

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

**Important Notes Regarding This Vehicle's Wireless Charging Pad:**

- The presence of the Near-Field Communication (NFC) function active on a smartphone could signal malfunction anomalies.
- The ignition must be in the ON/RUN position in order for the phone to charge.
- To avoid interference with the key fob search, the wireless charging pad will stop charging when any door or liftgate is opened, even if the engine is running.
- Be sure to place the mobile device correctly (display facing upward, and phone not covering the LED) on the wireless charging pad.
- If the phone moves on the pad causing the red light to illuminate, the phone will have to be picked up and placed back on the charging pad to resume charging.
- Wireless charging is not as fast as when the phone is connected to a wired charger.
- The phone's protective case must be removed when placed on the wireless charging pad.
- iPhone® 12 (including iPod®) is equipped with software to protect the device from overheating. When the software is active, the rate of charge is slowed down to protect the device.

- ❑ Phones must always be placed on the wireless charging pad within the outline shown on the pad so that its charging parts connect with the charging coils of the system. Movement of the phone during charging may prevent or slow the rate of charge.
- ❑ Having multiple applications open on the phone while charging will reduce the charging efficiency, and may even shut down an application that is actively running (i.e. Apple CarPlay®). This may also cause the phone to overheat.
- ❑ Wireless chargers may implement certain methods to prevent the phone from overheating during charging such as slowing down the rate of charge. In certain instances, the device may shut down for a brief period of time (when the device reaches a certain temperature). If this happens, it does not mean there is a fault with the wireless charging pad. This may just be a protective measure to prevent damage to the phone.
- ❑ The use of multiple wireless functions at the same time (wireless charging, Apple CarPlay®, Android Auto™) could cause the device to overheat, resulting in limitation of the functions or it turning off. In this case, it is recommended to connect the system using the USB port.
- ❑ Do not place the key fob or any other type of metal/magnetized object inside the mobile phone housing or near the wireless charging pad.
- ❑ With a compatible device placed on the charging pad, and the ignition is cycled to the OFF position, a reminder message may appear on the instrument cluster display to warn the driver.



### CAUTION!

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

The following messages will display in the radio system:

- ❑ “Your Phone Is Being Charged” — The phone has begun to charge.
- ❑ “Phone Fully Charged” — The phone has completed charging its battery.
- ❑ “Foreign Object Detected” — The phone is not enabled for wireless charging or an object that is not permitted has been placed on the wireless charging pad.
- ❑ “Unavailable System” — There is a malfunction with the wireless charging pad.

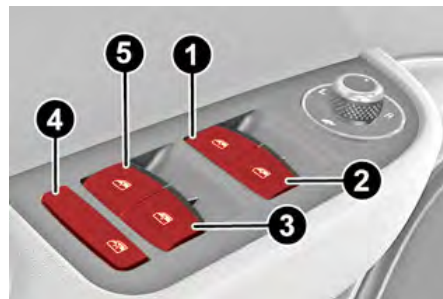
The driver can deactivate these messages through the radio system ↪ page 180.

## POWER WINDOWS

### POWER WINDOW CONTROLS

The power window switches work with the ignition in the ACC or ON/RUN position and for three minutes after the ignition has been placed in the OFF position. When one of the front doors is opened, this operation is disabled.

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



**Power Window Switches**

- 1 — Front Left Window Switch
- 2 — Front Right Window Switch
- 3 — Rear Right Window Switch
- 4 — Window Lockout Switch
- 5 — Rear Left Window Switch

The passenger door windows can also be operated by using the single window controls on the passenger door trim panel.

To open the window part way (manually), push the window switch down briefly and release. Push past the detent to activate “continuous automatic” operation.

If the button is pushed again, the window will stop in the desired position.

Pull the window switch to the first detent to move the window upward. Pull the window switch to the second detent, and the window will go up automatically.

To close the window, pull the window switch up. To stop the window during Auto-Up operation, push or pull the window switch again.



**WARNING!**

Never leave children unattended in a vehicle, and do not let children play with power windows. Do not leave the key fob in or near the vehicle, or in a location accessible to children, and do not leave the keyless push button ignition in the ACC or ON/RUN position. Occupants, particularly unattended children, can become entrapped by the windows while operating the power window switches. Such entrapment may result in serious injury or death.

**AUTO-UP FEATURE WITH ANTI-PINCH PROTECTION**

The vehicle is equipped with an anti-pinch safety device for closing the windows.

If the safety system senses any obstacle while the window is closing, it will stop the window's movement and reverse it, depending on its position.

This device is also useful if the windows are activated accidentally by children inside the vehicle.

The anti-pinch safety function is activated both during the manual and the automatic operation of the window.

When the anti-pinch system is activated, the window closing is immediately interrupted. Then the window closing is automatically reversed and the window lowers by about 8 inches (20 cm) in relation to the first stop position. The window cannot be operated during this time.

**NOTE:**

In the event of an error, or if the anti-pinch protection is activated three consecutive times, the automatic closing operation of the window will be deactivated. In order to restore the correct operation of the system, the window must be lowered.

**POWER WINDOW SYSTEM INITIALIZATION**

If power supply is interrupted, the electric window automatic operation must be reinitialized.

To perform the initialization procedure, which must be done on each door with the doors closed, manually fully close the window to be initialized.

**WIND BUFFETING**

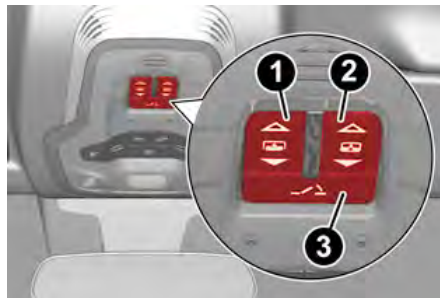
Wind buffeting can be described as the perception of pressure on the ears or a helicopter-type sound in the ears. Your vehicle may exhibit wind buffeting with the windows down, or the sunroof (if equipped) in certain open or partially open positions. This is a normal occurrence and can be minimized.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

**POWER SUNROOF — IF EQUIPPED****POWER SUNROOF**

The power sunroof consists of two glass panels (the front one is power and the rear one fixed) and is fitted with a power sunshade in the front, as well as a manually operated sunshade in the rear.

Operation of the sunroof is only possible with the ignition placed in the ACC or ON/RUN position

↪ page 27.

**Sunroof And Power Shade Buttons**

- 1 — Power Shade Open/Close
- 2 — Open/Close Button
- 3 — Vent Open/Close

The sunroof has three preset positions:

- Fully closed
- Comfort (intermediate opening)
- Fully open

**NOTE:**

You cannot have the sunshade closed when the sunroof is open.

**WARNING!**

- Never leave children unattended in a vehicle, or with access to an unlocked vehicle. Never leave the key fob in or near the vehicle, or in a location accessible to children. Do not leave the ignition of a vehicle equipped with keyless ignition in the

(Continued)





## WARNING!

ON/RUN position. Occupants, particularly unattended children, can become entrapped by the power sunroof while operating the power sunroof switch. Such entrapment may result in serious injury or death.

- In a collision, there is a greater risk of being thrown from a vehicle with an open sunroof. You could also be seriously injured or killed. Always fasten your seat belt properly and make sure all passengers are also properly secured.
- Do not allow small children to operate the sunroof. Never allow your fingers, other body parts, or any object, to project through the sunroof opening. Injury may result.

## OPENING AND CLOSING THE SUNROOF

To open the sunroofs front panel, push the open/close button toward the rear of the vehicle to open to the comfort position (half way). Pushing the button a second time will open to the fully open position.

To close the sunroof, push the open/close button toward the front of the vehicle. The roof will close completely.

The automatic motion can be interrupted in any position by pushing the open/close button again.



## CAUTION!

Do not open the sunroof if a luggage roof rack or crossbars are fitted. Do not open the sunroof if there is snow or ice on it: you may damage it.

## VENTING SUNROOF

To bring the roof into vent position, push and release the vent button.

This type of vent opening can be activated regardless of the position of the sunroof. When starting with the roof in the closed position, pushing the vent button automatically causes the sunroof to open to the vent position. If the roof is already open, the button must be held until the roof reaches the vent-opening position.

Pushing vent button again during automatic movement of the roof will stop it.

## SUNSHADE OPERATION

The front sunshade is power operated.

Push the Power Shade open/close button toward the rear of the vehicle to **open** the front sunshade to the three quarter open position. Pushing the button a second time will open the sunshade completely.

Push the Power Shade open/close button toward the front of the vehicle to **close** the sunshade.

The automatic motion can be interrupted in any position by pushing the Power Shade open/close button again.

To open the rear sunshade, pull sunshade manually toward the rear of the vehicle.

## PINCH PROTECT FEATURE

The sunroof has an anti-pinch safety system capable of detecting the presence of an obstacle during the closing movement. If an obstacle is detected, the system intervenes and the movement of the sunroof is immediately reversed into opening.

## RE-INITIALIZATION PROCEDURE

Automatic operation of the sunroof must be re-initialized in case of faulty sunroof operation. It may also be necessary to re-initialize the sunroof after the vehicle's battery has been disconnected and then reconnected.

### NOTE:

The anti-pinch safety device is deactivated during the re-initialization procedure.

Proceed as follows:

1. With the ignition in the ON/RUN position, make sure the sunroof glass is fully closed (sunshade open).
2. Open the driver's side door, and place the ignition in the OFF position.
3. Within five seconds, place the ignition in the ACC or ON/RUN position.
4. Within 10 seconds, push and hold the sunroof close switch (forward). After 8 - 10 seconds of holding the switch, the re-initialization process will begin. Continue to hold the switch while the sunroof motor cycles, and the sunshade will fully close.
5. Once the sunroof glass and the power sunshade have stopped motion, release the sunroof close switch, then push and hold it again within five seconds. Continue to hold the switch while the sunshade fully opens, the sunroof glass fully opens, followed by the glass fully closing then the sunshade fully closing.
6. Release the switch once the operations stop. Re-initialization of the sunroof motor is now complete.

### NOTE:

If the switch is released prior to full completion of the operations described, the entire re-initialization procedure must be repeated from step 1.

7. Confirm express operations for the sunroof glass and sunshade are functional for opening and closing operations.



## SUNROOF MAINTENANCE

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

## HOOD

### OPENING THE HOOD

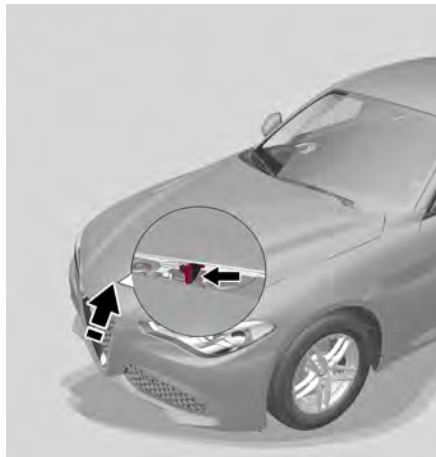
To open the hood, two latches must be released.

1. Pull the release lever located underneath the driver's side of the instrument panel.



Hood Release Lever

2. Lift the hood slightly. Move the underhood latch from right to left to release the hood.



Release Hood Latch To The Left

3. Raise the hood completely. The operation is assisted by the addition of two gas props which hold it in the open position.

#### NOTE:

- Vehicle must be at a stop and the gear selector must be in PARK.
- While lifting the hood, use both hands.
- Before lifting the hood, check that the wiper arms are not in motion and not in the lifted position.



#### WARNING!

Before opening the hood, apply the Electric Park Brake (EPB) and place the gear selector in PARK. Otherwise the vehicle may roll and cause damage, serious injury, or death.



#### CAUTION!

Do not tamper with the gas props.

### CLOSING THE HOOD

To close, lower the hood to approximately 16 inches (40 cm) from the engine compartment then let it drop. Make sure that the hood is completely closed and fully latched.

#### NOTE:

Since the hood is equipped with a double locking system, one for each side, check that it is closed on both its sides.



#### 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.

# TRUNK

The trunk unlocking is electrically operated and is deactivated when the vehicle is in motion.

## OPENING

### Opening From The Outside

When unlocked, the trunk lid can be opened from outside the vehicle using the exterior trunk lid release button located between the plate lights. Push the button until you hear a “click.” The trunk lid can also be opened by quickly pushing the trunk lid release button on the key fob twice.



Exterior Trunk Lid Release Button

The turn signal indicators will blink and the interior lights will turn on when the trunk lid is opened. They turn off automatically when the trunk lid is closed.

The interior lights turn off automatically after a few minutes if the trunk lid is left open.

### Opening From The Inside

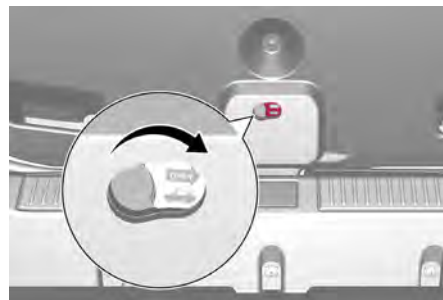
When unlocked, the trunk lid can be opened from inside the vehicle using the interior trunk lid release button, located under the dashboard near the engine hood opening lever. Push the trunk lid release button until you hear a “click.”



Interior Trunk Lid Release Button

### Trunk Lid Emergency Release

In the event of an individual being locked inside the trunk, the trunk can be opened by actuating a glow-in-the-dark lever in the interior lock cover on the trunk lid.



Emergency Release Button

Pull the lever in the direction indicated by the arrow to open the trunk lid.

## CLOSING

Grip one of the trunk lid interior handles and pull the trunk lid down until it is low enough to place your hands on the exterior surface of the trunk. Use your hands to then push the trunk lid down until you hear the lock latch into place.





Trunk Lid Interior Handles

**NOTE:**

It will not be possible to open the trunk lid with the key fob or by pushing the interior trunk lid release button when the battery is disconnected. Always position the manual trunk lid opening strap on the trunk lid lock before disconnecting the battery → page 296.

Before closing the trunk lid, make sure your key fob is not inside the trunk. If the key fob is detected, the trunk lid will latch then automatically unlock so that the key fob cannot be locked in the trunk.

**TRUNK RE-INITIALIZATION****NOTE:**

If the battery is disconnected or the protection fuse blows, the trunk lid opening/closing mechanism must be re-initialized as follows:

1. Close all the doors and the trunk lid.
2. Push the lock button on the remote control.
3. Push the unlock button on the remote control.

**TRUNK SPECIFICATIONS****Access To The Tire Service Kit (Quadrifoglio Models)**

To access the Tire Service Kit, lift the carpet in the trunk  
→ page 246.



Cargo Area (Quadrifoglio Models)

**Rear Cargo Tie-Downs — If Equipped**

There are four hooks inside the trunk for attaching the cargo net or cables which can safely secure the cargo.



Rear Cargo Tie-Downs

**NOTE:**

Do not apply a load greater than 22 lb (10 kg) on a single hook.

**Cargo Net — If Equipped**

This is useful for correctly arranging the cargo and/or for transporting light materials.

**ENVIRONMENTAL PROTECTION SYSTEMS**

The following systems are used for reducing engine emissions:

- Catalytic Converter
- Oxygen Sensors
- Evaporation Control System

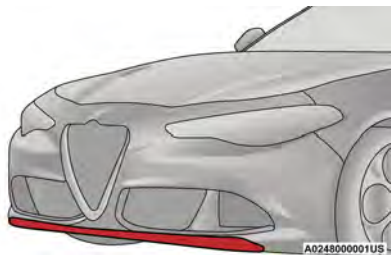
## ACTIVE AERODYNAMIC SPOILER (QUADRIFOGLIO VEHICLES)

### CARBON FIBER ACTIVE AERO FRONT SPOILER

This is an automatic device working at the vehicle speed to regulate air flow in the lower part of the vehicle. It allows higher reactivity at average speeds and higher vehicle stability at high speeds.

#### NOTE:

The Active Aero Spoiler is active in the Dynamic or RACE mode of the Alfa DNA Pro Selector; it is not active in any mode when external temperatures are near or below zero.



Front Fascia

If there is a fault, a generic failure icon will light up on the instrument panel display, along with a message that will identify the type of malfunction. See an authorized dealer if a fault occurs.



This section gives you all the information you need to understand and use the instrument panel correctly.

## PREMIUM INSTRUMENT CLUSTER




Use this QR code to access your digital experience.



### INSTRUMENT CLUSTER DESCRIPTIONS

1. Speedometer
  - Indicates vehicle speed.
2. Instrument Cluster Display
  - When the appropriate conditions exist, this display shows the instrument cluster display messages.
3. Tachometer
  - Indicates the engine speed in revolutions per minute (RPM x 100).

#### 4. Fuel Gauge

- The digital fuel gauge monitors the amount of fuel in the tank.
- The pointer shows the level of fuel in the fuel tank when the Keyless Push Button Ignition is in the ON/RUN position.
- The fuel pump symbol points to the side of the vehicle where the fuel filler door is located.
- Push the center-rear edge of the fuel filler door and release to open.
- When the  Fuel Level warning light turns on, a low fuel message is displayed, and a chime will sound when 2.3 Gallons (9.0 L) of fuel are left in the tank.



#### 5. Oil Temperature Gauge

- The temperature gauge shows engine oil temperature. Any reading within the normal range indicates that the engine is operating satisfactorily.

#### NOTE:

The Instrument Cluster Warning Indicators will illuminate briefly for a bulb check when the ignition is first cycled.

Depending on your vehicle trim, your instrument cluster display may vary.

## INSTRUMENT CLUSTER DISPLAY

### INSTRUMENT CLUSTER DISPLAY DESCRIPTION

This vehicle is equipped with a driver interactive display that is located in the instrument cluster.

When one or more of the doors have been opened or closed and the ignition is in the OFF position, the instrument cluster will display the vehicle mileage for a few seconds.

### INSTRUMENT CLUSTER DISPLAY LOCATION AND CONTROLS

The instrument cluster display features a driver interactive display that is located in the instrument cluster.

#### NOTE:

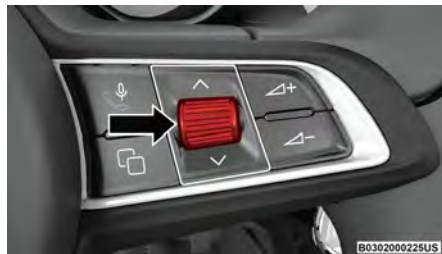
Depending on your vehicle trim, your instrument cluster display may vary.



Instrument Cluster Display And Controls Location

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

The systems allow the driver to select information by pushing the following buttons mounted on the steering wheel:



Instrument Cluster Display Control Thumbwheel



#### ❑ Thumbwheel

Use the **Thumbwheel** on the right side of the steering wheel to scroll through the menu options and submenus in the Instrument Cluster Display.

#### ❑ Thumbwheel Button

Press the **Thumbwheel Button** to select the highlighted menu option.

#### Main Screen Configuration — If Equipped

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

- ❑ Press the **Main Screen** menu button for the Main Screen display



**Main Screen Menu Button**

- ❑ Navigate up ▲ or down ▼ to highlight desired Tile
- ❑ Press **Thumbwheel** to select the tile and navigate to the selected submenu and press **Thumbwheel** again to add your selection to your tile view
- ❑ The **Main Screen** options are Speedometer, Performance, Driver Assist, and Stored Messages.

The cluster layout screens can be selected, on rotation, by pushing the MENU selection button on the windshield wiper stalk.



**MENU View/Reset Button**

Depending on the driving mode chosen using the Alfa DNA (Dynamic, Natural, and Advanced Efficiency) the screens can be graphically different. Navigation instructions and call information can be set and displayed in the Information and Entertainment System. The instrument cluster display is located in the center portion of the cluster and consist of multiple sections:

- ❑ **Main Screen** — The inner ring of the display will illuminate in gray under normal conditions, yellow for non-critical warnings, red for critical warnings, and white for on demand information.
- ❑ **Submenu Dots** — Whenever there are submenus available, the position within the submenus is shown here.
- ❑ **Reconfigurable Telltales/Information**
- ❑ **Gear Selector Status (PRND)**
- ❑ **Driver Interactive Display** (Compass, Temp, Range to Empty, Trip A, Trip B, Average Fuel Economy, Current Fuel Economy, Tire Pressure, and Time)

The instrument cluster display will normally display the main menu or the screens of a selected feature of the main menu. The main display area also displays pop-up messages that consist of approximately 60 possible warning or information messages. These pop-up messages fall into several categories:

#### ❑ Five Second Stored Messages

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

#### ❑ Unstored Messages

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

#### ❑ Unstored Messages Until RUN

These messages deal primarily with the Remote Start feature. This message type is displayed until the ignition is in the RUN state. Examples of this message type are “Remote Start Canceled - Door Ajar” and “Press Brake Pedal and Push Button to Start.”

#### ❑ Five Second Unstored Messages

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



## OIL CHANGE RESET

Use this QR code to access your digital experience.



- Your vehicle is equipped with an engine oil change indicator system. A message will display in the instrument cluster display for five seconds to indicate the next scheduled oil change interval is due. 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 the ignition is cycled to the ON/RUN position.

To reset the oil change indicator after performing the scheduled maintenance, refer to the following procedure:

- Without pressing the brake pedal, push the ENGINE START/STOP button and cycle the ignition to the ON/RUN position (do not start the engine).
- Fully press the accelerator pedal, slowly, three times within ten seconds.
- Cycle the ignition to the OFF 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.

## OIL CHANGE INDICATOR SYSTEM


Your vehicle is equipped with an engine oil change indicator system. The “Oil Change Due” message will display in the instrument cluster display for five seconds after a single chime has sounded, to indicate the next scheduled oil change interval. The engine oil change indicator system is duty cycle based, which means the engine oil change interval may fluctuate, dependent upon your personal driving style.

## GEAR SHIFT INDICATOR (GSI) — IF EQUIPPED

The GSI system is enabled on vehicles with a manual transmission, or when a vehicle with an automatic transmission is in manual shift mode. The GSI provides the driver with a visual indication when the recommended gear shift point has been reached. This indication notifies the driver that changing gear will allow a reduction in fuel consumption. When the up shift indicator is shown on the instrument cluster display, the GSI is advising the driver to engage a higher gear. When the down shift indicator is shown on the display, the GSI is advising the driver to engage a lower gear.

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

## INSTRUMENT CLUSTER DISPLAY MENU ITEMS

The instrument cluster display can be used to view the main menu items for several features. Use the **up** and **down**  arrow buttons to scroll through the driver interactive display menu options until the desired menu is reached.

### NOTE:

The instrument cluster display menu items display in the center of the instrument cluster. Menu items may vary depending on your vehicle features.

## Main Menu

Use the Thumbwheel to scroll Up and Down through the **Menu** options. Press the Thumbwheel to enter and exit the highlighted menu option.

### NOTE:

These Menu options may vary based on your vehicle's trim level.

## Speedometer

The Speedometer menu options may consist of the following:

- Digital speed and speed unit (mph or km/h)
- Gear Shift Indicator (GSI)
- Gear
- Drive mode name

The speed units can be changed from mph to km/h by pressing the Thumbwheel.

## Navigation — If Equipped

Turn the Thumbwheel up or down to increase or decrease the zoom on this screen. Press the Thumbwheel to go back to the initial frame. The zoom level is automatically reset to the factory settings whenever the engine is restarted.

The following information is shown:

- Direction Indicators
- Distance to next change of direction (in miles or kilometers, depending on instrument panel settings)
- Suggested lanes
- Address of the road to be followed after the change of direction

Press and hold the Thumbwheel to disable the indications in the right-hand ring for the current navigation. If a predicted route is selected, the route shall start without further confirmation.

### NOTE:

During projection modes (Apple CarPlay® or Android Auto™) the native map is not available.



## Phone

This menu displays the current status of a phone connected to the vehicle via Bluetooth®. The System supports up to two phones connected at the same time. Information available in the instrument cluster display depends on which phone is dynamically selected by the user in each moment (i.e. the phone in focus). Press the Thumbwheel to select one of the connected phones.

If no phone is connected, the menu will not function when the **OK** button is pushed. Otherwise, if a phone is connected, push the **OK** button to enter the menu. The following items will display:

- Recent calls: displays a list of the last 10 calls.
- SMS reader: displays the last 10 text messages and if they are read or unread.
- Favorite numbers: displays a maximum of 10 favorite numbers.

## Stored Messages

Turn the Thumbwheel up and down until the Stored Messages menu option is highlighted. Press the Thumbwheel to enter and exit the Stored Messages.

Messages shown on the display via pop-up screens are stored as long as they remain valid. You can view them later in the central area of the “Messages” screen.

If multiple messages are present:

- Press the Thumbwheel to access the message list.
- Scroll through the messages by turning the Thumbwheel up or down. The presence or previous or next message is indicated by gray dots.

## Performance

Performance page content automatically changes according to the selected drive mode.

## G-meter Dynamic

This displays parameters related to car stability, the graphs illustrate the trend of the longitudinal/lateral accelerations (G-meter information), considering gravity acceleration as a reference unit.

## Driver Assist

The instrument cluster display displays the current Adaptive Cruise Control (ACC) and Lane Keep Assist (LKA) system settings. The information displayed depends on ACC system status.

The Instrument Cluster Display shows the status and settings of the driving assistance Adaptive Cruise Control, Lane Keep Assist and Active Driving Assist systems. Any instant notifications are displayed via a pop-up screen.

The instrument cluster display displays the current LKA system settings. The information displayed depends on Lane Keep Assist system status and the conditions that need to be met → page 121.

## BATTERY SAVER ON/BATTERY SAVER MODE MESSAGE — ELECTRICAL LOAD REDUCTION ACTIONS — IF EQUIPPED

This vehicle is equipped with an Intelligent Battery Sensor (IBS) to perform additional monitoring of the electrical system and status of the vehicle battery.

In cases when the IBS detects charging system failure, or the vehicle battery conditions are deteriorating, electrical load reduction actions will take place to extend the driving time and distance of the vehicle. This is done by reducing power to or turning off non-essential electrical loads.

Load reduction is only active when the engine is running. It will display a message if there is a risk of battery depletion to the point where the vehicle may stall due to lack of electrical supply, or will not restart after the current drive cycle.

These messages indicate the vehicle battery has a low state of charge and continues to lose electrical charge at a rate that the charging system cannot sustain.

### NOTE:

- The charging system is independent from load reduction. The charging system performs a diagnostic on the charging system continuously.
- If the Battery Charge Warning Light is on it may indicate a problem with the charging system → page 75.

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

- Heated Seat/Vented Seats/Heated Wheel
- Heated/Cooled Cup Holders — If Equipped
- Rear Defroster And Heated Mirrors
- HVAC System
- 150W Power Inverter System
- Audio and Telematics System

Loss of the battery charge may indicate one or more of the following conditions:

- The charging system cannot deliver enough electrical power to the vehicle system because the electrical loads are larger than the capability of charging system. The charging system is still functioning properly.
- Turning on all possible vehicle electrical loads (e.g. HVAC to max settings, exterior and interior lights, overloaded power outlets +12 Volts, 150W, USB ports) during certain driving conditions (city driving, towing, frequent stopping).
- Installing options like additional lights, upfitter electrical accessories, audio systems, alarms and similar devices.
- Unusual driving cycles (short trips separated by long parking periods).

- The vehicle was parked for an extended period of time (weeks, months).
- The battery was recently replaced and was not charged completely.
- The battery was discharged by an electrical load left on when the vehicle was parked.
- The battery was used for an extended period with the engine not running to supply radio, lights, chargers, +12 Volts portable appliances like vacuum cleaners, game consoles and similar devices.

**What to do when an electrical load reduction action message is present (“Battery Saver On” or “Battery Saver Mode”)**

During a trip:

- Reduce power to unnecessary loads if possible:
  - Turn off redundant lights (interior or exterior)
  - Check what may be plugged into power outlets +12 Volts, 150W, USB ports
  - Check HVAC settings (blower, temperature)
  - Check the audio settings (volume)

After a trip:

- Check if any aftermarket equipment was installed (additional lights, upfitter electrical accessories, audio systems, alarms) and review specifications if any (load and Ignition Off Draw currents).
- Evaluate the latest driving cycles (distance, driving time and parking time).
- The vehicle should have service performed if the message is still present during consecutive trips and the evaluation of the vehicle and driving pattern did not help to identify the cause.

## CUSTOMER PROGRAMMABLE SETTINGS

Multiple settings can be programmed by the user using the radio. This section describes only the basic settings:

- Units & Language
- Clock & Date
- Cluster

To access the settings list in the radio, proceed as follows:

- Press the Home button to access the main menu.
- Select Settings from the main menu using the Rotary Knob or by pressing Settings on the touchscreen.



**Rotary Knob**

- 1 – ON/OFF Control And Volume Knob
- 2 – OPTION Button
- 3 – Rotary Pad
- 4 – Home Button

## Units & Language

The following settings can be modified under the “Units & Language” menu:

- Units: select US, Metric, or Custom. The custom option allows for individual selection of the unit measures
- Language: change the language of the system
- Restore Unit & Language Settings: restores the factory settings

To access and change the setting, turn and push the Rotary Pad or press the desired setting on the touchscreen.

## Clock & Date

The following settings can be modified under the “Clock & Date” menu:

- Sync With GPS Time (if equipped): activates or deactivates the clock synchronization through the GPS. If the function is deactivated, the options Set Time and Set Date are enabled
- Set Time: set the time manually
- Time Format: set the time format to either a 12-hour or a 24-hour clock
- Set Date: set the date manually
- Restore Clock & Date Settings: restores the factory settings

To access and change the setting, turn and push the Rotary Pad or press the desired setting on the touchscreen.

## Cluster

The following settings can be modified when this mode is selected:

- Warning Buzzer Volume: set the volume of the warning buzzer on seven levels
- Trip B: activate or deactivate the Trip function



- ❑ Show Phone Info: activate/deactivate repetition of the phone function screens also on the instrument panel display
- ❑ Show Audio Info: activate/deactivate repetition of the audio function screens (Radio and Media) also on the instrument panel display
- ❑ Show Nav Info (if equipped): activate/deactivate repetition of the navigator function screens also on the instrument panel display
- ❑ Digital speed on all screens: activate/deactivating of digital speed on the instrument panel display screens other than the main screen
- ❑ Consumption Bar: activate/deactivate the consumption bar on the display screens of the instrument panel where it is available
- ❑ Performance pages: choose, for each driving mode, one of the two alternative contents displayed in the screen
- ❑ Custom areas: select which content to display in each of the three customizable areas on the display of the instrument panel: time, date, outside temperature, radio information, compass
- ❑ Restore Cluster Settings: deletes the current settings and restores the factory settings

To access and change the setting, turn and push the Rotary Pad or press the desired setting on the touchscreen.

## WARNING LIGHTS AND MESSAGES ON THE INSTRUMENT PANEL

The following pages consist of warning lights and messages.

### NOTE:

- ❑ The warning light turns on together with a dedicated message and/or chime when applicable. These indications are precautionary and as such must not be considered as exhaustive and/or alternative to the information contained in the Owner's Manual, which you are advised to read carefully in all cases. Always refer to the information in this section in the event of a failure indication.
- ❑ The failure indicators appearing on the display are divided into two categories: very serious and less serious faults. Serious faults are indicated by a repeated and prolonged warning "cycle." Less serious faults are indicated by a warning "cycle" with a shorter duration. You can stop the warning cycle in both cases by pushing the button located on the windshield wiper stalk. The instrument panel warning light will stay on until the cause of the failure is eliminated.

### RED WARNING LIGHTS

#### Air Bag Warning Light



This warning light will illuminate to indicate a fault with the air bag, and will turn on for four to eight seconds as a bulb check when the ignition is placed in the ON/RUN or ACC/ON/RUN position. This light will

illuminate with a single chime when a fault with the air bag has been detected, it will stay on until the fault is cleared. If the light is either not on during startup, stays on, or turns on while driving, have the system inspected at an authorized dealer as soon as possible.

#### Brake Warning Light



This warning light monitors various brake functions, including brake fluid level and parking brake application. If the brake light turns on it may indicate that the parking brake is applied, that the brake fluid level is low, or that there is a problem with the Anti-Lock Brake System reservoir.

If the light remains on when the parking brake has been disengaged, and the fluid level is at the full mark on the master cylinder reservoir, it indicates a possible brake hydraulic system malfunction or that a problem with the Brake Booster has been detected by the Anti-Lock Brake System (ABS) / Electronic Stability Control (ESC) system. In this case, the light will remain on until the condition has been corrected. If the problem is related to the brake booster, the ABS pump will run when applying the brake, and a brake pedal pulsation may be felt during each stop.

The dual brake system provides a reserve braking capacity in the event of a failure to a portion of the hydraulic system. A leak in either half of the dual brake system is indicated by the Brake Warning Light, which will turn on when the brake fluid level in the master cylinder has dropped below a specified level.

The light will remain on until the cause is corrected.

### NOTE:

The light may flash momentarily during sharp cornering maneuvers, which change fluid level conditions. The vehicle should have service performed, and the brake fluid level checked.

If brake failure is indicated, immediate repair is necessary.



## WARNING!

- If the warning light does not turn on when the ignition is placed in the ON/RUN position or if it stays on when driving (together with the message on the display), there might be a malfunction in the restraint systems; This could mean the air bags or pretensioners may not deploy in the event of an accident or, they could deploy erroneously. This could result in serious injuries or death. Have the vehicle checked by a qualified technician immediately.
- Driving a vehicle with a red brake warning light on is dangerous. Part of the brake system may have failed. It will take longer to stop the vehicle in such circumstances. This could result in a collision and serious injuries or death. Have the vehicle checked by a qualified technician immediately.

Vehicles equipped with the Anti-Lock Brake System (ABS) are also equipped with Electronic Brake Force Distribution (EBD). In the event of an EBD failure, the Brake Warning Light will turn on along with the ABS Light. Immediate repair to the ABS system is required. Operation of the Brake Warning Light can be checked by turning the ignition switch from the OFF position to the ON/RUN position. The light should illuminate for approximately two seconds. The light should then turn off unless the parking brake is applied or a brake fault is detected. If the light does not illuminate, have the light inspected by an authorized dealer.

The light also will turn on when the parking brake is applied with the ignition switch in the ON/RUN position.

### NOTE:

This light shows only that the parking brake is applied. It does not show the degree of brake application.

## Battery Charge Warning Light



This warning light will illuminate when the battery is not charging properly. If it stays on while the engine is running, there may be a malfunction with the charging system. Contact an authorized dealer as soon as possible.

This indicates a possible problem with the electrical system or a related component.

## Seat Belt Reminder Warning Light



When the ignition is first placed in the ON/RUN position, if the driver's seat belt is unbuckled, a chime will sound and the light will turn on. When driving, if the driver or front passenger seat belt remains

unbuckled, the Seat Belt Reminder Light will flash or remain on continuously and a chime will sound  
➔ page 220.



## WARNING!

- If the warning light does not turn on when the ignition is placed in the ON/RUN position or if it stays on when driving (together with the message on the display), there might be a malfunction in the restraint systems; This could mean the air bags or pretensioners may not deploy in the event of an accident or, they could deploy erroneously. This could result in serious injuries or death. Have the vehicle checked by a qualified technician immediately.
- Driving a vehicle with a red brake warning light on is dangerous. Part of the brake system may have failed. It will take longer to stop the vehicle in such circumstances. This could result in a collision and serious injuries or death. Have the vehicle checked by a qualified technician immediately.

## Electronic Brake Force Distribution (EBD) Failure



The simultaneous turning on of the BRAKE (red) and ABS (amber) warning lights with the engine on indicates either a failure of the EBD system or that the system is not available. In this case, the rear wheels may

suddenly lock and the vehicle may swerve when braking abruptly.



## WARNING!

Driving a vehicle with a red brake warning light on is dangerous. Part of the brake system may have failed. It will take longer to stop the vehicle in such circumstances. This could result in a collision and serious injuries or death. Have the vehicle checked by a qualified technician immediately.

## Oil Temperature Warning Light



This warning light indicates engine oil temperature is high.

Stop the vehicle and shut off the engine as soon as possible. If the problem persists, contact an authorized dealer.



**AMBER WARNING LIGHTS****Anti-Lock Brake System (ABS) Warning Light**

This light monitors the ABS. The light will turn on when the ignition is placed in the ON/RUN position and may stay on for as long as four seconds.

If the ABS light remains on or turns on while driving, then the Anti-Lock portion of the brake system is not functioning and service is required. However, the conventional brake system will continue to operate normally if the red BRAKE warning light is not on.

If the ABS light is on, the brake system should be serviced as soon as possible to restore the benefits of Anti-Lock Brakes. If the ABS light does not turn on when the ignition is placed in the ON/RUN position, have the light inspected by an authorized dealer.

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

When the ignition is cycled to ON, the indicator light illuminates, but should turn off as soon as the engine is started.

**ESC System Intervention:** Intervention by the system is indicated by the flashing of the indicator light: it indicates that the vehicle is in critical stability and grip conditions.

**ESC System Failure:** If the indicator light does not turn off, or if it stays on with the engine running, a failure was found in the ESC system.

**Hill Start Assist System Failure:** The illumination of the indicator light indicates a Hill Start Assist system failure. In these cases, contact an authorized dealer as soon as possible.

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

When the ignition is cycled to ON, the indicator light illuminates, but should turn off as soon as the engine is started.

The indicator light illuminates to indicate that some active safety systems have been partially or totally deactivated → page 206.

When the active safety systems are reactivated, the indicator light turns off.

**Tire Pressure Low Warning Light**

The indicator light will illuminate to indicate that the tire pressure is lower than the recommended value and/or that slow pressure loss is occurring. In these cases, optimal tire duration and fuel consumption may not be guaranteed.

In any situation in which the message on the display is "See Manual" → page 218.

**Tire Pressure Monitoring System (TPMS) Warning Light**

The warning light switches on and a message is displayed to indicate that the tire pressure is lower than the recommended value and/or that slow pressure loss is occurring. In these cases, optimal tire duration and fuel consumption may not be guaranteed.

Should one or more tires be in the condition mentioned previously, the display will show the indications corresponding to each tire.

**CAUTION!**

Do not continue driving with one or more flat tires as handling may be compromised. Stop the vehicle, avoiding sharp braking and steering. If a tire puncture occurs, repair immediately using the dedicated tire repair kit and contact an authorized dealer as soon as possible.

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.

As an added safety feature, your vehicle has been equipped with a TPMS that illuminates a low tire pressure telltale when one or more of your tires is significantly underinflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly underinflated tire causes the tire to overheat and can lead to tire failure. Underinflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if underinflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.



#### WARNING!

The TPMS has been optimized for the original equipment tires and wheels. TPMS pressures and warning have been established for the tire size equipped on your vehicle. Undesirable system operation or sensor damage may result when using replacement equipment that is not of the same size, type, and/or style. Aftermarket wheels can cause sensor damage. Using aftermarket tire sealants may cause the Tire Pressure Monitoring System (TPMS) sensor to become inoperable. After using an aftermarket tire sealant it is recommended that you take your vehicle to an authorized dealership to have your sensor function checked.

## Rear Fog Lights



The indicator illuminates when the rear fog light is activated.

## Engine Check/Malfunction Indicator Light (MIL)



In normal conditions, when the ignition is cycled to ON, the indicator light illuminates, but it should turn off as soon as the engine is started.

The operation of the indicator light may be checked by the traffic police using specific devices. Comply with the laws and regulations of the country where you are driving.

Under these conditions, the vehicle can continue traveling at moderate speed but without demanding excessive effort from the engine or high speed. Prolonged use of the vehicle with the indicator light on constantly may cause damage. Contact an authorized dealer as soon as possible.



#### CAUTION!

If, turning the ignition device to ON, the warning light does not turn on or if it turns on steadily or flashing while driving (on some versions together with the message on the display), immediate service is required. Prolonged driving with the MIL on could cause damage to the vehicle.

## Forward Collision Warning (FCW) System



This indicator light informs the driver that the frontal collision alarm function is not enabled. Drive carefully and contact an authorized dealer as soon as possible.

## Fuel Reserve/Limited Range



The indicator light (or the symbol in the display) illuminates when about 2.4 gallons (9 liters) of fuel is left in the tank.



#### WARNING!

If the warning light flashes while driving, contact an authorized dealer.

## GREEN INDICATOR LIGHTS

### Automatic High Beam Indicator Light – If Equipped



This indicator light will illuminate when the automatic high beam headlights are activated.

### Left Turn Signal Indicator Light



The instrument cluster directional arrow will flash independently for the left turn signal as selected, as well as the exterior turn signal lamp(s) (front and rear) as selected when the multifunction lever is moved down (left). This directional arrow will flash in conjunction with the right directional arrow when the hazard warning light button is pushed.



## Parking/Headlights On Indicator Light



This indicator will illuminate when the parking lights or headlights are turned on.

## Right Turn Signal Indicator Light



The instrument cluster directional arrow will flash independently for the right turn signal as selected, as well as the exterior turn signal lamp(s) (front and rear) as selected when the multifunction lever is moved up (right). This directional arrow will flash in conjunction with the left directional arrow when the hazard warning light button is pushed.

## BLUE INDICATOR LIGHTS

### High Beam Indicator Light — If Equipped



This indicator shows that the high beam headlights are on. Push the multifunction control lever away from you to switch the headlights to high beam. Push the lever a second time to switch the headlights back to low beam. Pull the lever toward you for a temporary high beam on, “flash to pass” scenario.

## RED SYMBOLS

### Alfa Steering Torque (AST) Failure



The switching on of the telltale signals a failure in the automatic steering correction system.

Contact an authorized dealer to have the system checked.

## Alternator Failure



The switching on of the telltale with engine on corresponds to an alternator failure. Contact an authorized dealer as soon as possible.

## Automatic Transmission Failure



The telltale turns on, together with a buzzer warning, to indicate that the automatic transmission is faulty.

Contact an authorized dealer as soon as possible.



### CAUTION!

Driving the vehicle with this symbol on may severely damage the gearbox, with resulting breakage. The oil may also overheat; contact with hot engine or with exhaust components at high temperature could cause fires.

## Brake Disc Temperature



When the symbol turns on, it indicates an excessive temperature of the brake discs. Let the braking system cool down by reducing the speed.

## Driver Attention Assist (DAA) System Activation — If Equipped



The DAA system detects indications that the driver is feeling fatigued and illuminates this warning that the driver should pull over and take a break.

Stop to pause while driving, pulling the car over in safe conditions.

## Door Open



The telltale turns on when one or more doors are not completely shut. An acoustic signal is activated with the doors open and the car moving.

Close the doors properly.

## Power Steering Failure



If the telltale remains on, you may not have steering assistance and the effort required to operate the steering wheel may be increased; steering is, however, possible.

### NOTE:

After the battery is disconnected, the steering wheel must be re-initialized. The Power Steering Failure light on the instrument panel will illuminate to indicate this. To carry out this procedure, simply turn the steering wheel all the way from one end to the other, and then turn it back to the central position. Contact an authorized dealer as soon as possible.

## Electronic Throttle Control (ETC) Warning Light



This warning light, along with the related message, signals a failure in the ETC.

If a failure is detected, the warning light turns on while the engine is running.

Place the gear selector in the PARK (P) position and the ignition in the off position: the warning light should switch off. If the warning light stays on with engine running, the vehicle can still be driven.

If the warning light flashes with the engine running, immediate intervention is required. A loss of performance, irregular/high idling speed or engine stopping might take place and the vehicle may need to be towed.

Contact an authorized dealer as soon as possible to have the failure eliminated.



## Engine Coolant Temperature Too High



The telltale lights up when the engine has overheated.

*In normal driving conditions:* stop the car, turn off the engine and check that the coolant level in the reservoir is not below

the MIN mark. In this case, wait for the engine to cool down, then slowly and carefully open the cap, fill with coolant and check that the level is between the MIN and MAX marks on the reservoir itself. Also check visually for any fluid leaks. Contact an authorized dealer if the telltale comes on when the engine is started again.

*If the vehicle is used under demanding conditions (e.g. in high-performance driving):* slow down and, if the warning light stays on, stop the vehicle. Stop for two or three minutes with the engine running and slightly accelerated to facilitate better coolant circulation, then turn the engine off. Check that the coolant level is correct as described previously.

## Hood Cap Not Properly Shut



The telltale turns on when the hood cap is not properly closed, along with the icon, an image of the vehicle with an open hood cap appears on the display.

A buzzer is heard when the hood cap is open and the vehicle is moving. Close the hood properly.

## Insufficient Engine Oil Level



The telltale turns on, along with the related message on the display, to indicate low engine oil level.

Contact an authorized dealer to have the system checked.

## Low Engine Oil Pressure



This telltale indicates low engine oil pressure. If the telltale turns on while driving, stop the vehicle and shut off the engine as soon as possible. A chime will sound when this telltale turns on. Do not operate the vehicle until the cause is corrected. This telltale does not indicate how much oil is in the engine.

### NOTE:

Do not use the vehicle until the failure has been solved. The turning on of the telltale does not indicate the amount of oil in the engine. The oil level can be checked on the display upon entering the vehicle and also by activating the "Oil level" function on the Information and Entertainment System.

Contact an authorized dealer as soon as possible.



### CAUTION!

If the LOW ENGINE OIL PRESSURE symbol switches on when driving, stop the engine immediately and contact an authorized dealer.

## Trunk Lid Not Properly Shut



The telltale turns on when the trunk lid is not properly closed, along with the icon, an image of the vehicle with an open trunk lid appears on the display.

A buzzer is heard when the trunk lid is open and the vehicle is moving. Close the trunk lid properly.

## AMBER SYMBOLS

### Engine Immobilizer Failure/Break-In Attempt



**Engine Immobilizer System Failure** The telltale will illuminate to report a failure of the Engine Immobilizer system.

**Break-In Attempt** The telltale will illuminate when the ignition is cycled to ON position,

to indicate a possible break-in attempt detected by the alarm system.

**Electronic Key Not Recognized** The telltale will illuminate when the engine is started and the electronic key is not recognized by the system.

**Alarm System Failure** The telltale will illuminate to report an alarm system failure.

Contact an authorized dealer as soon as possible.

### Fuel Cut-Off Indicator Light



The telltale will illuminate after an accident has occurred and the system has shut the fuel off.

For reactivating the fuel cut-off system

↩ page 220. If it is not possible to restore the fuel supply, contact an authorized dealer.

### Park Sensors System Failure



The telltale will illuminate when the system has failed or is not available.

Contact an authorized dealer to have the system checked.



## Engine Oil Change Required — If Equipped



The telltale is illuminated only for a limited time.

### NOTE:

After the first indication, each time the engine is started the symbol will continue to illuminate as described previously until the oil is changed.

If the telltale flashes, this does not mean that there is a fault on the vehicle, rather it simply reports that it is now necessary to change the oil as a result of regular use of the vehicle. The deterioration of engine oil is accelerated by using the vehicle for short drives, preventing the engine from reaching operating temperature.

Contact an authorized dealer as soon as possible.



### CAUTION!

Deteriorated engine oil should be replaced as soon as possible after the symbol is switched on, and never more than 500 miles (805 km) after it first switches on. Failure to observe the previously mentioned information may result in severe damage to the engine and void the New Vehicle Limited Warranty. When this symbol comes on, it does not mean that the level of engine oil is low, so if it flashes you do not need to top up the engine oil.

## Engine Oil Pressure Sensor Failure



The telltale will illuminate in the event of engine oil pressure sensor failure.

Contact an authorized dealer as soon as possible.

## Engine Oil Level Sensor Failure



The telltale will illuminate in the event of engine oil level sensor failure.

Contact an authorized dealer as soon as possible.

## Forward Collision Warning (FCW) System Failure — If Equipped



The telltale will illuminate in the case of failure of the Forward Collision Warning system.

Contact an authorized dealer as soon as possible.

## Stop/Start System Failure



This telltale will illuminate to report a Stop/Start system failure.

Contact an authorized dealer as soon as possible to have the failure eliminated.

## Rain Sensor Failure



The telltale will illuminate in the case of failure of the automatic windshield wiper.

Contact an authorized dealer as soon as possible.

## Dusk Sensor Failure



The telltale will illuminate in the case of failure of the automatic low beam alignment.

Contact an authorized dealer as soon as possible.

## Blind Spot Monitoring System Failure — If Equipped



The telltale will illuminate in the event of a Blind Spot Monitoring system failure.

Contact an authorized dealer as soon as possible.

## Fuel Level Sensor Failure



The telltale will illuminate in the event of fuel level sensor failure.

Contact an authorized dealer as soon as possible.

## Exterior Lights Failure



The telltale will illuminate to indicate a failure on the following lights: daytime running lights (DRLs) / parking lights / trailer turn signal indicators (if present) / trailer lights (if present) / side lights / turn signal indicators / rear fog light / reversing light / brake lights / license plate lights.

The failure may be caused by a blown bulb, a blown protection fuse, or an interruption of the electrical connection.

Replace the bulb or the relevant fuse. Contact an authorized dealer.

## Keyless System Failure



The telltale will illuminate in the event of keyless system failure.  
Contact an authorized dealer as soon as possible.

## Fuel Cut-Off System Failure



The telltale will illuminate in the event of fuel cut-off system failure.  
Contact an authorized dealer as soon as possible.

## Lane Departure Warning (LDW) System Failure — If Equipped



The telltale will illuminate in the event of a fault in the Lane Departure Warning system.  
Contact an authorized dealer as soon as possible.

## Automatic High Beam Headlights Failure — If Equipped



The telltale will illuminate to report a failure of the automatic high beam headlights.  
Contact an authorized dealer as soon as possible to have the failure eliminated.

## Automatic Transmission Fluid Overheating



The telltale will illuminate in the case of transmission overheating, after a particularly demanding use. In this case an engine performance limitation is carried out.

Wait for the telltale to turn off with the engine off or idling.

## Audio System Failure



The telltale will illuminate to report a failure of the audio system.  
Contact an authorized dealer as soon as possible to have the failure eliminated.

## Speed Limiter System Failure



While driving, the telltale will illuminate to signal a Speed Limiter system failure.  
Contact an authorized dealer as soon as possible to have the failure eliminated.

## Loose Fuel Filler Cap



Lights up if the fuel tank cap is open or not properly closed.  
Tighten the cap properly.

## Electric Park Brake Failure



The telltale will illuminate and a message will display to signal a failure in the electric park brake system.

This failure may partially or completely block the vehicle because the park brake could remain activated even if automatically or manually disengaged using the relevant controls. In these circumstances, you can disengage the park brake following the emergency disengagement procedure ↪ page 253.

If you are still able to drive the vehicle (park brake is not engaged), drive to the nearest authorized dealer and remember, when executing any maneuvers/commands, that the electric park brake is not operational.



## WARNING!

If a failure is present with sharp braking, the rear wheels may lock and the vehicle may swerve.

## Low Coolant Level — If Equipped



This telltale will illuminate to indicate that the vehicle coolant level is low.

## Service Adaptive Cruise Control (ACC) System



This light will illuminate when the ACC is not operating and needs service.  
Contact an authorized dealer to have the system checked.

## Wear On Brake Pads



This light will illuminate when the brake pads have reached their wear limit.  
Contact an authorized dealer as soon as possible.

## NOTE:

Always use genuine parts or similar because the Integrated Brake System (IBS) system could detect anomalies.

## Dynamic Drive Control System Failure



The telltale will illuminate to signal a failure in the dynamic drive control system.



## Windshield Wiper Failure



Signals a windshield wiper failure.  
Contact an authorized dealer.

## Generic Indication



Signals information and failures.  
The accompanying messages describe the failure.

## All Wheel Drive Failure



This telltale will illuminate along with an accompanying message when the AWD dynamic control system is temporarily deactivated to prevent damage. The traction system will work in RWD mode in this

instance.

Contact an authorized dealer as soon as possible to have the failure eliminated.

## Temporary All Wheel Drive Failure — If Equipped



This telltale will illuminate to indicate that the AWD dynamic control system is temporarily deactivated to prevent damage. The traction system will work in RWD mode in this instance.

In the event that this telltale illuminates, reduce the load to allow the system to cool down. The AWD system will resume normal operation when the symbol disappears from the display.

## ABS Activation



This telltale will illuminate to indicate that the ABS system has activated.

## Adaptive Front Lighting System Failure



The telltale will illuminate to indicate the automatic directional light system failure.  
Go to an authorized dealer to have the system checked.

## Soft Suspension Calibration Insertion — If Equipped



The telltale will illuminate when the most comfortable suspension setting is activated.

## Shock Absorbers Failure



While driving, if the telltale illuminates, it signals a failure in the suspension system.  
Contact an authorized dealer to have the system checked.

## Windshield Washer Liquid Level



The telltale will illuminate to indicate that the level of the windshield and headlight washing fluid (if any) is low.

Always use liquid with the features indicated in the “Fluids And Lubricants” ⇨ page 266.

## Driver Attention Assist (DAA) System Failure — If Equipped



The symbol comes on in the event of a DAA system failure.

Contact an Alfa Romeo Dealership as soon as possible to have the failure eliminated.

## Highway Assist System (HAS)/Traffic Jam Assist (TJA) System Failure



The symbol lights up in case of HAS or TJA system failure.

Contact an Alfa Romeo Dealership as soon as possible to have the failure eliminated.

## GREEN SYMBOLS

### Headlights



The telltale will illuminate when the headlights are turned on.

### Automatic Headlights



The symbol lights up when the automatic headlights are on.

### Stop/Start Operation



The telltale will illuminate in the case of Stop/Start system intervention (stopping the engine).

When the engine is restarted, the telltale will shut off ⇨ page 98.

## Cruise Control Activated



The telltale will illuminate when the Cruise Control system is activated.

## Adaptive Cruise Control (ACC) System — If Equipped



The symbol comes on when the Adaptive Cruise Control system is activated.

## BLUE SYMBOLS

### Automatic High Beam Headlights — If Equipped



The telltale will illuminate when the automatic high beam headlights are activated.

### High Beam Headlights





The telltale will illuminate when the high beam headlights are activated.

## ONBOARD DIAGNOSTIC SYSTEM

### Operation

The Onboard Diagnostic system (OBD) carries out a continuous diagnosis of the components of the vehicle related to emissions.

It also alerts the driver of when these components are no longer in peak condition by switching on the  warning light on the instrument panel  page 77.

The aim of the OBD system (Onboard Diagnostic) is to:

- Monitor the efficiency of the system
- Indicate an increase in emissions
- Indicate the need to replace damaged components

The vehicle also has a connector, which can interface with appropriate tools, that makes it possible to read the error codes stored in the electronic control units together with a series of specific parameters for engine operation and diagnosis. This check can be carried out by an authorized dealer.

### NOTE:

After eliminating a fault, to check the system completely, an authorized dealer is obliged to run tests and, if necessary certain road tests.

## ONBOARD DIAGNOSTIC SYSTEM (OBD II) CYBERSECURITY

Your vehicle is required to have OBD II and a connection port to allow access to information related to the performance of your emissions controls. Authorized service technicians may need to access this information to assist with the diagnosis and service of your vehicle and emissions system.



### WARNING!

- ONLY an authorized service technician should connect equipment to the OBD II connection port in order to read the VIN, diagnose, or service your vehicle.
- If unauthorized equipment is connected to the OBD II connection port, such as a driver-behavior tracking device, it may:
  - Be possible that vehicle systems, including safety related systems, could be impaired or a loss of vehicle control could occur that may result in an accident involving serious injury or death.
  - Access, or allow others to access, information stored in your vehicle systems, including personal information.



## 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 depleted 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 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. Cycle the ignition switch to the ON position, but do not crank or start the engine.

### NOTE:

If you crank or start the engine, you will have to start this test over.

2. As soon as you cycle the ignition switch to the ON position, you will see the Malfunction Indicator Light (MIL) symbol come on as part of a normal bulb check.

3. Approximately 15 seconds later, one of two things will happen:
  - 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.
  - The MIL will not flash at all and will remain fully illuminated until you place the ignition in the off position 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 an 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 previously mentioned 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.

## STARTING THE ENGINE

Before starting the engine, be sure to adjust the seat, the interior rearview mirror, the door mirrors, and fasten the seat belt correctly.

Never press the accelerator pedal before starting the engine.

If necessary, messages indicating the starting procedure will be shown in the display.



### WARNING!

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


## STARTING PROCEDURE

Proceed as follows:

1. Apply the Electric Park Brake and set the gear selector to PARK (P) or NEUTRAL (N).
2. Fully press the brake pedal without touching the accelerator.
3. Briefly push the ignition button.
4. If the engine doesn't start within a few seconds, you need to repeat the procedure. If the problem persists, contact an authorized dealer.



### WARNING!

- Never pour fuel or other flammable liquid into the throttle body air inlet opening in an attempt to start the vehicle. This could result in a flash fire causing serious personal injury.
- Do not attempt to push or tow your vehicle to get it started. Vehicles equipped with an automatic transmission cannot be started this way. Unburned fuel could enter the catalytic converter and once the engine has started, ignite and damage the converter and vehicle.
- If the vehicle has a discharged battery, booster cables may be used to obtain a start from a booster battery or the battery in another vehicle  page 251. This type of start can be dangerous if done improperly.



### CAUTION!

To prevent damage to the starter, do not continuously crank the engine for more than 25 seconds at a time. Wait 60 seconds before trying again.

## REMOTE STARTING SYSTEM

This system uses the key fob to start the engine conveniently from outside the vehicle while still maintaining security. The system has a range of at least 300 feet (91 meters).

The remote starting system also activates the climate control, the heated seats (if equipped), and the heated steering wheel (if equipped), depending on temperatures outside and inside of the vehicle.

### NOTE:

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

### How to use Remote Start

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

- Gear selector in PARK (P).
- Doors closed.
- Hood closed.
- Trunk closed.
- Hazard switch off.
- Brake switch inactive (brake pedal not pressed).
- Battery at an acceptable charge level.
- PANIC button not pushed.
- System not disabled from previous remote start event.



- Vehicle alarm system indicator flashing.
- Ignition in the OFF position.
- Fuel level meets minimum requirement.

### Remote Start Comfort Systems — If Equipped

When Remote Start is activated, the heated steering wheel and driver heated seat features will automatically turn on in cold weather.

These features will stay on through the duration of remote start until the ignition is placed in the ON/RUN position.

### Remote Start Windshield Wiper De-Icer Activation — If Equipped

When remote start is active and the outside ambient temperature is less than 39° F (4° C), the Windshield Wiper De-Icer will be enabled. Exiting remote start will resume previous operation, except if the Windshield Wiper De-Icer is active.

The Windshield Wiper De-Icer timer and operation will continue.

## COLD WEATHER OPERATION

To prevent possible engine damage while starting at low temperatures, this vehicle will inhibit engine cranking when the ambient temperature is less than -22° F (-30° C) and the oil temperature sensor reading indicates an engine block heater has not been used. An externally-powered electric engine block heater is available as optional equipment or from an 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.



### CAUTION!

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

## EXTENDED PARK STARTING

If the vehicle has not been started or driven for at least 30 days, see the following instructions:

To start the engine, proceed as follows:

1. Install a battery charger or jumper cables to the battery to ensure a full battery charge during the crank cycle ↪ page 251.
2. Briefly push the ignition button.
3. If the engine does not start, wait five seconds and let the starter cool down and then repeat the starting procedure.
4. If the engine does not start after eight attempts, let the starter cool down for at least 10 seconds, and then repeat the starting procedure. If the problem persists, contact an authorized dealer.

## IF ENGINE FAILS TO START

### Starting the Engine with Key Fob Battery Run Down or Drained

If the ignition does not respond when the button is pushed, the key fob battery might be run down or drained. Therefore, the system does not detect the presence of the key fob in the vehicle, and will display a dedicated message.

For more information on starting with a discharged key fob battery ↪ page 27.



### WARNING!

- Never pour fuel or other flammable liquid into the throttle body air inlet opening in an attempt to start the vehicle. This could result in a flash fire causing serious personal injury.
- Do not attempt to push or tow your vehicle to get it started. Vehicles equipped with an automatic transmission cannot be started this way. Unburned fuel could enter the catalytic converter and once the engine has started, ignite and damage the converter and vehicle.
- If the vehicle has a discharged battery, booster cables may be used to obtain a start from a booster battery or the battery in another vehicle ↪ page 251. This type of start can be dangerous if done improperly.



### CAUTION!

To prevent damage to the starter, do not continuously crank the engine for more than 25 seconds at a time. Wait 60 seconds before trying again.

## AFTER STARTING — WARMING UP THE ENGINE

Proceed as follows:

- Travel slowly, letting the engine run at a reduced RPM, without accelerating suddenly.
- It is recommended to wait until the digital engine coolant temperature indicator starts to rise for maximum performance.



## STOPPING THE ENGINE

To stop the engine, proceed as follows:

1. Park the vehicle in a position that is not dangerous for oncoming traffic.
2. Engage the PARK (P) mode.
3. With engine idling, push the ENGINE START/STOP button on the steering wheel to stop the engine.

### NOTE:

Do not leave the ignition in ACC position when the engine is off.

To shut off the engine with vehicle speed greater than 5 mph (8 km/h), you must push and hold the ignition or push the ENGINE START/STOP button three times consecutively within a few seconds. The engine will shut down, and the ignition will be placed in the ACC position.

With the keyless ignition system, it is possible to leave the vehicle taking the key fob with you without the engine switching off. The vehicle will inform the absence of the key on board, only if the doors are closed.

After stopping the engine (cycling from the ACC to the OFF position), the accessories are still powered for about three minutes, or until a door is opened.

When the ignition is in the OFF position, the window switches remain active for three minutes. Opening a front door will cancel this function.

After severe driving, idle the engine to allow the temperature inside the engine compartment to cool before shutting off the engine.

## TURBOCHARGER COOL DOWN

It is recommended before switching the vehicle off, to keep the engine idling for a few minutes so that the turbocharger can be suitably lubricated. This procedure is particularly recommended after severe driving.

After a full load operation, keep the engine idling for three to five minutes before switching it off.

This time allows the lubricating oil and the engine coolant to eliminate the excessive heat from combustion chamber, bearings, inner components and turbocharger.

## ENGINE BLOCK HEATER — IF EQUIPPED

The engine block heater warms the engine and permits quicker starts in cold weather.

Connect the cord to a 110-115 Volt AC electrical outlet with a grounded, three-wire extension cord.

For ambient temperatures below 0°F (-18°C), the engine block heater is recommended. For ambient temperatures below -20°F (-29°C), the engine block heater is required.

See the following steps to properly use the engine block heater:

1. Locate the engine block heater cord (access door on the passenger side wiper cowl).
2. Pull the cord to the front of the vehicle and plug it into a grounded, three-wire extension cord.
3. After the vehicle is running, properly stow away behind access door on the passenger side wiper cowl.

### NOTE:

- The engine block heater cord is a factory installed option. If your vehicle is not equipped, heater cords are available from an authorized dealer.
- The engine block heater will require 110 Volts AC and 6.5 Amp to activate the heater element.
- The engine block heater must be plugged in at least one hour to have a warming effect on the engine and at least four hours to have a warming effect when ambient temperatures are below -20°F (-29°C).



### WARNING!

Remember to disconnect the engine block heater cord before driving. Damage to the 110-115 Volt electrical cord could cause electrocution.

## ENGINE BREAK-IN RECOMMENDATIONS

### ENGINE BREAK-IN

For both engines, use the following engine break-in recommendations:

### NOTE:

A new engine may consume some oil during its first few thousand miles (kilometers) of operation. This should be considered a normal part of the break-in period and not interpreted as an indication of a problem. Please monitor your oil level during the break-in period and add oil as required.



It is recommended for the operator to observe the following driving behaviors during the new vehicle break-in period:

0 to 100 miles (0 to 160 km):

- Do not allow the engine to operate at idle for an extended period of time.
- Press the accelerator pedal slowly and not more than halfway to avoid rapid acceleration.
- Avoid aggressive braking.
- Drive with the engine speed less than 3,500 RPM.
- Maintain vehicle speed below 55 mph (88 km/h) and observe local speed limits.

100 to 300 miles (160 to 483 km):

- Press the accelerator pedal slowly and not more than halfway to avoid rapid acceleration in lower gears (FIRST to THIRD gears).
- Avoid aggressive braking.
- Drive with the engine speed less than 5,000 RPM.
- Maintain vehicle speed below 70 mph (112 km/h) and observe local speed limits.

300 to 500 miles (483 to 805 km):

- Exercise the full engine RPM range, shifting manually (paddles or gear shift) at higher RPM when possible.
- Do not perform sustained operation with the accelerator pedal at wide open throttle.
- Maintain vehicle speed below 85 mph (136 km/h) and observe local speed limits.

For the first 1,500 miles (2,414 km):

- Do not participate in track events, sport driving schools, or similar activities during the first 1,500 miles (2,414 km).

#### NOTE:

Monitor engine oil with every refueling and add if necessary. Oil and fuel consumption may be higher through the first oil change interval.

## ELECTRIC PARK BRAKE (EPB)

The EPB features a switch located on the center console, a caliper with motor for each rear wheel, and an electronic control module.



Electric Park Brake Switch

The EPB can be engaged in two ways:

- Manually, by pulling the switch on the center console.
- Automatically, in “Safe Hold” or “Auto Park Brake” conditions.

#### NOTE:

Normally, the EPB is engaged automatically when the engine is stopped. This function can be deactivated/activated on the Information and Entertainment system by selecting the following items in sequence on the main menu: “Settings”, “Driver Assistance” and “Automatic Parking Brake”.

In addition to engaging the EPB, along with steering and positioning chocks in front of the wheels (when on a steep slope), you must always place the vehicle in the PARK (P) mode before leaving.

Should the vehicle battery be faulty, the battery must be replaced in order to unlock the EPB.

#### Engaging The EPB Manually

Briefly pull the switch located on the center console to manually engage the EPB when the vehicle is stationary.

Noise may be heard from the rear of the vehicle when engaging the EPB.

A slight movement of the brake pedal may be detected when engaging the EPB with the brake pedal pressed.

With the EPB engaged, the Brake Warning Light on the instrument panel and the switch will illuminate.



#### CAUTION!

With the EPB Warning Light on, some functions of the EPB are deactivated. In this case the driver is responsible for engaging the EPB manually to ensure the vehicle is safely and properly parked.

If, under exceptional circumstances, the use of the brake is required with the vehicle in motion, keep the switch on the center console pulled as long as the brake action is necessary.

The Brake Warning Light may turn on with the hydraulic system temporarily unavailable; in this case braking is controlled by the motors.

The brake lights will also automatically turn on in the same way as for normal braking with the use of the brake pedal.

Release the switch on the center console to stop the braking action with the vehicle in motion.

If, through this procedure, the vehicle is braked until a speed below 1.9 mph (3 km/h) is reached and the switch is kept pulled, the parking brake will definitively engage.



### WARNING!

Driving the vehicle with the parking brake engaged, or repeated use of the parking brake to slow the vehicle may cause serious damage to the brake system. Be sure the parking brake is fully disengaged before driving; failure to do so can lead to brake failure and a collision.

### Disengaging The EPB Manually

In order to manually release the parking brake, the ignition should be in the ACC position. Press the brake pedal, and then push the switch on the center console briefly.

Noise may be heard from the rear of the vehicle, and a slight movement of the brake pedal may be detected during disengagement.

After disengaging the Electric Park Brake, the Brake Warning Light on the instrument panel and the light on the switch will turn off.

If the Brake Warning Light on the instrument panel remains on with the EPB disengaged, this indicates a fault: in this case, contact an authorized dealer.



### WARNING!

- Never use the PARK position as a substitute for the parking brake. Always apply the parking brake fully when parked to guard against vehicle movement and possible injury or damage.
- When exiting the vehicle, always turn the ignition OFF, secure the key fob, and lock your vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the gear selector.
- Do not leave the key fob in or near the vehicle, or in a location accessible to children, and do not leave a vehicle equipped with a keyless ignition system in the ON/RUN position. A child could operate power windows, other controls, or move the vehicle.
- Be sure the parking brake is fully disengaged before driving; failure to do so can lead to brake failure and a collision.
- Always fully apply the parking brake when leaving your vehicle, or it may roll and cause damage or injury. Also be certain to leave the transmission in PARK. Failure to do so may allow the vehicle to roll and cause damage or injury.

## ELECTRIC PARK BRAKE (EPB) OPERATING MODES

The EPB may operate as follows:

- "Dynamic Operating Mode": this mode is activated by pulling the switch repeatedly while driving.
- "Static Engagement and Release Mode": with the vehicle stationary, the EPB can be activated by pulling the switch on the center console once. Push the switch and the brake pedal at the same time to disengage the brake.
- "Drive Away Release": the EPB will automatically disengage with the driver side seat belt fastened and the detection of an action performed by the driver to move the vehicle (forward gear or reverse gear). This feature can be turned on or off in the Information and Entertainment System.
- "Safe Hold": engages if the gear selector is not in PARK (P) position and the driver's intention of leaving the vehicle is detected. The EPB will automatically engage the EPB.

### SAFE HOLD

Safe Hold is a safety function that automatically engages the EPB if the driver attempts to leave the vehicle while the ignition is in ON/RUN.

The EPB engages automatically to prevent vehicle movement if:

- The vehicle speed is below 2 mph (3 km/h).
- A transmission operating mode different from PARK (P) is activated.
- The driver's seat belt is not fastened.
- The driver side door is open.
- No attempts to apply pressure on the brake pedal have been detected.
- The vehicle is parked on roads with a slope of more than 4%.



The "Safe Hold" function can be temporarily disabled by pushing the switch located on the center console and the brake pedal at the same time, with the vehicle stationary and the driver side door open.

Once disabled, the function will activate again when the vehicle speed reaches 12 mph (20 km/h) or the ignition is cycled to OFF and then to ACC.

## AUTOMATIC TRANSMISSION

The vehicle is equipped with an electronically controlled 8-speed automatic transmission where gear shifting automatically takes place, depending on the vehicle usage instantaneous parameters (vehicle speed, grade, and accelerator pedal position).

Manual gear shifting can still occur thanks to the "sequential mode" position for the gear selector.



### WARNING!

- It is dangerous to shift out of PARK or NEUTRAL if the engine speed is higher than idle speed. If your foot is not firmly pressing the brake pedal, the vehicle could accelerate quickly forward or in reverse. You could lose control of the vehicle and hit someone or something. Only shift into gear when the engine is idling normally and your foot is firmly pressing the brake pedal.
- Unintended movement of a vehicle could injure those in or near the vehicle. As with all vehicles, you should never exit a vehicle while the engine is running. Before exiting a vehicle, always apply the parking brake, shift the transmission into PARK, and turn the ignition OFF. When the ignition is in the OFF position, the transmission is locked in PARK, securing the vehicle against unwanted movement.

(Continued)



### WARNING!

- When leaving the vehicle, always make sure the ignition is in the OFF position, remove the key fob from the vehicle, and lock the vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the transmission gear selector.
- Do not leave the key fob in or near the vehicle (or in a location accessible to children), and do not leave the ignition in the ON/RUN or ACC position. A child could operate power windows, other controls, or move the vehicle.



### CAUTION!

- Damage to the transmission may occur if the following precautions are not observed:
- Shift into or out of PARK or REVERSE only after the vehicle has come to a complete stop.
  - Do not shift between PARK, REVERSE, NEUTRAL, or DRIVE when the engine is above idle speed.
  - Before shifting into any gear, make sure your foot is firmly pressing the brake pedal.

## DISPLAY

The following information is shown on the dedicated area of the display:

- In Automatic Mode:** the active mode (P, R, N, D) with "D" as the current gear number.
- In Manual Drive Mode (Sequential):** the mode (M) with the current gear and the double or single gear shift request, use both up and down (single or double arrow).



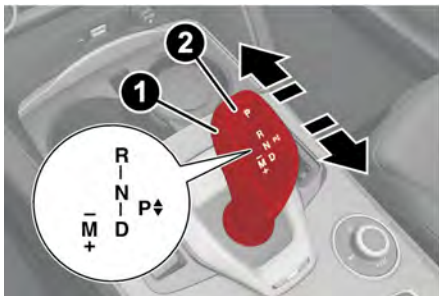
Gear Display

## GEAR SELECTOR

The gear functioning is controlled by the gear selector, which can assume the following positions:

- P** = PARK
- R** = REVERSE
- N** = NEUTRAL
- D** = DRIVE (automatic forward speed)
- AutoStick**: using + manually shift to higher gear; – to manually shift to lower gear

The positions diagram is illustrated on the top of the gear selector.



Gear Selector Center Console

- 1 – Gear Selector
- 2 – PARK (P) Button

The letter corresponding to the mode selected on the gear selector lights up and appears on the instrument cluster display.

To select a mode, move the gear selector forward or backwards, together with pressing the brake pedal and gear selector button to engage REVERSE (R).



Gear Selector

3 – Gear Selector Button

The gear selector is a joystick style shifting mechanism which returns to the center position automatically. It can be pushed forward twice and rearward twice, based on the starting condition.

The PARK (P) mode can be enabled/disabled by pushing the PARK (P) button.

To transition the vehicle into REVERSE (R) mode from DRIVE (D) mode, or into DRIVE (D) mode from REVERSE (R) mode, it is necessary to move the gear selector by pushing the gear selector button.

When using AutoStick to change gears, move the gear selector left from DRIVE (D) and then forward toward the - symbol or backward toward the + symbol and the gear is changed.

To shift out of PARK (P), or to pass from position NEUTRAL (N) to position DRIVE (D) or REVERSE (R), the vehicle must be moving at a low speed or stopped, and the brake pedal must also be pressed.

## NOTE:

- DO NOT accelerate while shifting from position PARK (P) or NEUTRAL (N) to another position.
- After selecting a gear, wait a few seconds before accelerating. This precaution is particularly important with a cold engine.

## TRANSMISSION OPERATING MODES

### PARK (P)

The transmission is locked in this mode. The engine can be started in this mode.

#### NOTE:

Never try to engage PARK (P) mode when the vehicle is moving. Before leaving the vehicle, make sure this mode is engaged (letter P shown on the display and gear selector) and that the parking brake is engaged.

When parking on a flat surface, first engage the PARK (P) mode and then engage the Electric Park Brake.

When parking uphill, before activating the PARK (P) mode, engage the Electric Park Brake. Otherwise, it could be difficult to engage the PARK (P) mode.

To check that the PARK (P) mode is actually engaged, make sure "P" is illuminated on the display and on the gear selector.



### WARNING!

- Never use the PARK position as a substitute for the parking brake. Always apply the parking brake fully when parked to guard against vehicle movement and possible injury or damage.
- Your vehicle could move and injure you and others if it is not in PARK. Check by trying to move the gear selector out of PARK with the brake pedal released. Make sure the transmission is in PARK before leaving the vehicle.

**WARNING!**

- It is dangerous to shift out of PARK or NEUTRAL if the engine speed is higher than idle speed. If your foot is not firmly pressing the brake pedal, the vehicle could accelerate quickly forward or in reverse. You could lose control of the vehicle and hit someone or something. Only shift into gear when the engine is idling normally and your foot is firmly pressing the brake pedal.
- Unintended movement of a vehicle could injure those in or near the vehicle. As with all vehicles, you should never exit a vehicle while the engine is running. Before exiting a vehicle, always apply the parking brake, shift the transmission into PARK, and turn the ignition STOP/OFF. When the ignition is in the STOP/OFF position, the transmission is locked in PARK, securing the vehicle against unwanted movement.
- When leaving the vehicle, always make sure the ignition is in the STOP/OFF position, remove the key fob from the vehicle, and lock the vehicle.
- Never leave children alone in a vehicle, or with access to an unlocked vehicle. Allowing children to be in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Children should be warned not to touch the parking brake, brake pedal or the transmission gear selector.
- Do not leave the key fob in or near the vehicle (or in a location accessible to children), and do not leave the ignition in the ON position. A child could operate power windows, other controls, or move the vehicle.

**CAUTION!**

- Before moving the transmission gear selector out of PARK, you must push the ignition button to cycle from STOP/OFF position to the ON position, and also press the brake pedal. Otherwise, damage to the gear selector could result.
- DO NOT race the engine when shifting from PARK or NEUTRAL into another gear range, as this can damage the drivetrain.

**REVERSE (R)**

Select this mode only with the vehicle at a standstill.

**NEUTRAL (N)**

Use this range when the vehicle is standing for prolonged periods with the engine running. The engine may be started in this range. Apply the Electric Park Brake and shift the transmission into PARK (P) if you must leave the vehicle.

**WARNING!**

Do not coast in NEUTRAL and never turn off the ignition to coast down a hill. These are unsafe practices that limit your response to changing traffic or road conditions. You might lose control of the vehicle and have a collision.

**DRIVE (D)**

Use this mode in normal driving conditions. Shifting from DRIVE (D) to PARK (P) or REVERSE (R) modes must take place only after releasing the accelerator pedal, with the vehicle at a standstill and brake pedal pressed.

This mode ensures automatic engagement of the most suitable gears for driving needs and maximum fuel economy in terms of consumption.

In this position, the transmission shifts the gears automatically, selecting the most suitable for forward driving among those available as you go. This ensures the vehicle's optimal driving characteristics are provided for all conditions.

**AutoStick**

In the case of frequent shifting (e.g. for sport driving, when the vehicle is driven with a heavy load or on slopes), it is recommended to use the AutoStick (sequential shifting) mode to select and keep a lower fixed ratio.

In these conditions, the use of a lower gear improves vehicle performance, preventing overheating.

It is possible to shift from DRIVE (D) mode to sequential mode regardless of vehicle speed.

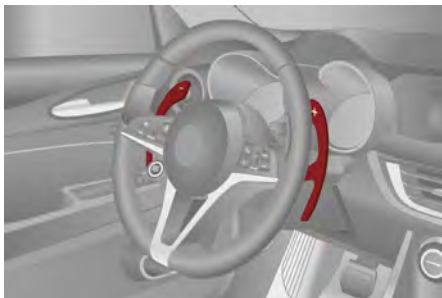
**Activation**

Starting from DRIVE (D), move the selector to the left (- and + indication of the trim) to activate the sequential drive mode. The gear engaged will be shown on the display.

Shifting is made by moving the gear selector forwards, towards symbol - or backwards, towards symbol +.

**Steering Wheel Shift Paddles — If Equipped**

The gear can also be manually shifted by using the paddles behind the steering wheel. Pull the right paddle (+) toward the steering wheel and release it to engage a higher gear, and perform the same operation with the left paddle (-) to engage a lower gear.



Steering Wheel Shift Paddles

**NOTE:**

If only one manual shift is necessary, the letter “D” will remain on the display with the engaged gear next to it.

**Deactivation**

To deactivate the sequential driving mode, bring the gear selector back in position DRIVE (D) (“automatic” driving mode).



**WARNING!**

Do not downshift for additional engine braking on a slippery surface. The drive wheels could lose their grip and the vehicle could skid, causing a collision or personal injury.

**NOTE:**

- To select the correct gear for maximum deceleration (engine brake), just keep the gear paddle pulled (-): the transmission goes to an operating mode in which the vehicle can slow down easily.
- The vehicle will keep the gear selected by the driver until the safety conditions allow it.
- This means, for example, that the system will try to prevent the engine from switching off, automatically downshifting if the engine speed is too low.

**AUTOMATIC TRANSMISSION LIMP HOME MODE**

Transmission function is monitored electronically for abnormal conditions. If a condition is detected that could result in transmission damage, Transmission Limp Home mode is activated.

In this condition, the transmission stays in FOURTH gear, regardless of the selected gear. Positions PARK (P), REVERSE (R) and NEUTRAL (N) still work.

The  symbol might light up in the instrument cluster.

**Temporary failure**

In the event of a momentary problem, the transmission can be reset to regain all forward gears by performing the following steps:

1. Stop the vehicle.
2. Shift the transmission into PARK (P), if possible. If not, shift the transmission to NEUTRAL (N).
3. Push and hold the ignition until the engine turns off.
4. Wait for about 10 seconds, then restart the engine.
5. Shift into the desired gear range. If the problem is no longer detected, the transmission will return to normal operation.

**NOTE:**

Even if the transmission can be reset, we recommend that you visit an authorized dealer at your earliest possible convenience. An authorized dealer has diagnostic equipment to determine if the problem could reoccur. If the transmission cannot be reset, service is required at an authorized dealer.

**BRAKE/TRANSMISSION SHIFT INTERLOCK (BTSI) SYSTEM**

This vehicle is equipped with a BTSI system that holds the gear selector in PARK (P) unless the brakes are applied.

This system prevents you from moving the gear selector from position PARK (P) unless the brakes are applied.

To shift the transmission out of PARK (P), the ignition must be placed in the ON/RUN position (engine running or not) and the brake pedal must be pressed.

**Brake/Transmission Shift Interlock Disabling**

Only if strictly necessary (e.g. pushing the vehicle, conveyor vehicle washing systems), place the vehicle in the NEUTRAL (N) position when stopping the engine. See the following steps:

1. Vehicle at a standstill.
2. NEUTRAL (N) mode activated.
3. Push the ignition button for at least three seconds.

The automatic parking brake engagement function when the engine is stopped can also be deactivated on the Information and Entertainment system by selecting the following functions on the main menu: “Settings”, “Driver Assistance” and “Automatic Parking Brake”.



**IMPORTANT NOTES**

Failure to comply with the following may damage the transmission:

- Shift into PARK (P) mode only with the vehicle at a standstill.
- Select REVERSE (R) mode, or pass from REVERSE to another mode only with the vehicle at a standstill and engine idling.
- Do not change between PARK (P), REVERSE (R), NEUTRAL (N) or DRIVE (D) modes with engine running at a speed above idling.
- Before activating any transmission operating mode, fully press the brake pedal.

**WARNING!**

- It is dangerous to shift out of PARK or NEUTRAL if the engine speed is higher than idle speed. If your foot is not firmly pressing the brake pedal, the vehicle could accelerate quickly forward or in reverse. You could lose control of the vehicle and hit someone or something. Only shift into gear when the engine is idling normally and your foot is firmly pressing the brake pedal.
- Unintended movement of a vehicle could injure those in or near the vehicle. As with all vehicles, you should never exit a vehicle while the engine is running. Before exiting a vehicle, always apply the parking brake, shift the transmission into PARK, and turn the ignition OFF. When the ignition is in the OFF position, the transmission is locked in PARK, securing the vehicle against unwanted movement.
- When leaving the vehicle, always make sure the ignition is in the OFF position, remove the key fob from the vehicle, and lock the vehicle.

(Continued)

**WARNING!**

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

**CAUTION!**

- Only engage the gear with engine at idling while fully pressing the brake pedal. If the transmission temperature exceeds the normal operating limits, the transmission control unit may change the gear engagement order and reduce the drive torque. If the transmission overheats, it could operate incorrectly until it cools down.
- When using the vehicle with extremely low external temperatures, the transmission operation may change depending on the engine and transmission temperature, as well as vehicle speed. Activation of the torque converter clutch and of the EIGHTH gear is inhibited until the transmission oil is correctly warmed up. Complete operation of the transmission will be enabled as soon as the fluid temperature reaches the predefined value.

**ALFA DNA / PRO SELECTOR****ALFA DNA SYSTEM**

This vehicle is equipped with an Alfa DNA system selector (located on the center console). There are four modes of operation to be selected according to driving style and road conditions:



**Alfa DNA System Selector**

- d = Dynamic (sports driving).
- n = Natural (driving in normal conditions).
- a = Advanced Efficiency (ECO driving for maximum fuel savings).
- RACE = track race driving (if equipped).
- = Adjusts the calibration of the active suspension (Quadrifoglio only).



When the engine is stopped, the selector returns to “n”.

The symbol for the active mode illuminates in red on the selector.

On the instrument panel display, the different modes are characterized by different colors:

- Dynamic - Red
- Natural - Blue
- Advanced Efficiency - Green



Mode Display

Each drive mode's performance screen is graphically different in frame color and content.

## DRIVING MODES

### Dynamic Mode

#### Activation

It is activated by rotating the selector to the letter “d”; the displays illuminate red.



Dynamic Mode

ESC and ASR systems: intervention thresholds that ensure more enjoyable, sportier driving while guaranteeing the stability of the vehicle.

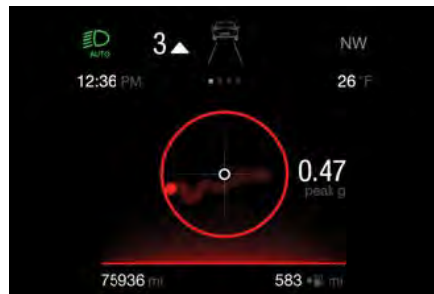
“Electronic Q2” system: the system is calibrated to increase traction while accelerating on turns, improving the agility of the vehicle.

Engine and transmission: adoption of sports mapping.



#### WARNING!

In Dynamic, the sensitivity of the accelerator pedal increases considerably. Consequently, driving is less fluid and comfortable. The driver must ensure full control of the vehicle at all times to avoid a collision.



Dynamic Mode Performance Display

The Performance screen displays parameters related to vehicle stability, the graphs illustrate the trend of the longitudinal/lateral accelerations (G-meter information), considering gravity acceleration as a reference unit.

Lateral acceleration peaks are displayed on the right.

#### Natural Mode

Natural mode is the default mode when the vehicle is started up.

#### Activation

It is activated by rotating the selector to the letter “n”; the displays illuminate blue.





Natural Mode

Engine and transmission: standard response.

The Performance screen graphically reproduces some parameters closely linked to the efficiency of the driving style, with a view to limiting consumption.

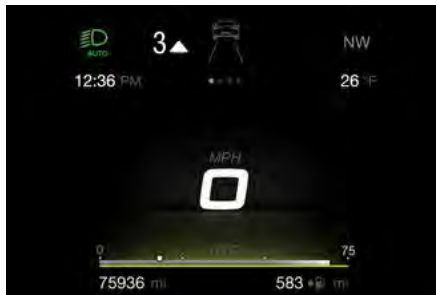


Natural Mode Performance Display

## Advanced Efficiency Mode

### Activation

It is activated by rotating the selector to the letter “a”; the displays illuminate green.



Advanced Efficiency Mode

ESC and ASR systems: intervention thresholds aimed at ensuring maximum safety in low-grip driving conditions. It is advisable to select Advanced Efficiency mode in the presence of low-grip road surfaces.

“Electronic Q2” system: the system is deactivated.

There will be reduced engine performance.

Advanced Efficiency mode is characterized by reduced engine performance and ECO shifting strategy for the automatic transmission.

The Performance screen graphically displays some parameters closely related to the vehicle: acceleration, deceleration, and gear selector.



Advanced Efficiency Mode Performance Display



Advanced Efficiency Mode Performance Display

- 1 – Acceleration
- 2 – Deceleration
- 3 – Gear Selector

### NOTE:

- The vehicle will always start up in NATURAL mode as a default.

## RACE Mode (Quadrifoglio Only)

### Activation

It is activated by rotating the selector to RACE position; the displays illuminate yellow.



RACE Mode

Engine and transmission: adoption of sports mapping.



### WARNING!

- Only activate the RACE mode at the track.
- In RACE, the sensitivity of the accelerator pedal increases considerably. Consequently, driving is less fluid and comfortable. The driver must ensure full control of the vehicle at all times to avoid a collision.

The Performance screen displays parameters related to vehicle stability, the graphs illustrate the trend of the longitudinal/lateral accelerations (G-meter information), considering gravity acceleration as a reference unit.

The screen displays the lateral and longitudinal acceleration peaks.



RACE Mode Performance Display

### NOTE:

If the brake system overheats, this is communicated by the Information and Entertainment system. In this case, allow the system to cool for a few minutes by driving the vehicle normally without operating the brakes.

### Deactivation

To deactivate the RACE mode, rotate the selector to the RACE position again and the system will be set to “d” Dynamic mode.

## ALFA ACTIVE SUSPENSION (AAS) – IF EQUIPPED


The system continuously monitors the damping of the suspension through the actuator installed on each shock absorber. The calibration of the shock absorbers can be adjusted to the conditions of the road surface and to the dynamic conditions of the vehicle, improving its comfort and road handling.

The driver can choose, while driving (only in “d” or “RACE” mode), between two types of suspension calibration: a more sportier or a more comfortable type.

By pushing the button, the system prepares the shock absorber calibration in order to favor driving comfort.



“Alfa DNA” System Selector

In case of a system failure, the symbol  and a dedicated message will be shown on the instrument cluster display.



## STOP/START SYSTEM

The Stop/Start system automatically shuts off the engine during a vehicle stop if the required conditions are met. Releasing the brake pedal or pressing the accelerator pedal will automatically restart the engine.

The function was designed to increase vehicle efficiency by reducing fuel consumption, gas emissions, and sound pollution.

### NOTE:

When the Stop/Start system stops the engine, the power steering is also disabled.

## OPERATING MODE

### Stopping the Engine


With the vehicle at a standstill and brake pedal pressed, the Stop/Start system shuts off the engine if the gear selector is in a position other than REVERSE (R).

The system does not operate when the gear selector is in REVERSE (R), in order to make parking maneuvers easier.

In the event of uphill stops, the Stop/Start system is disabled to make the "Hill Start Assist" function available (works only with running engine).

### NOTE:

The engine can only be automatically stopped after having run at about 6 mph (10 km/h). After an automatic restart, the vehicle only needs to exceed a speed of 0.3 mph (0.5 km/h) to stop the engine.

Engine stopping is signaled by the  symbol lighting up on the instrument cluster display.

### Restarting the Engine

To restart the engine, release the brake pedal or turn the steering wheel slightly (if equipped).

With the brake pressed and the transmission in automatic mode DRIVE (D), the engine will restart by shifting to REVERSE (R), to PARK (P) or to "AutoStick".

With the brake pressed while the gear selector is in "AutoStick" mode, the engine will restart by shifting to PARK (P) or by moving the selector to + or -.


## SYSTEM MANUAL ACTIVATION/DEACTIVATION

To manually activate/deactivate the system, push the button located in the control panel on the left of the steering wheel.



Stop/Start Button

### System Activation

The activation of the system is indicated by the  symbol lighting up on the display. In this condition, the light on the button is off.

### System Deactivation

A message will appear on the display when the system is deactivated. In this condition, the light on the button is on.

### NOTE:

Each time the engine is started, the system is activated regardless of where it was when it was previously switched off.

## POSSIBLE REASONS THE ENGINE DOES NOT AUTOSTOP

For higher comfort and increased safety, and to reduce emissions, there are certain conditions where the engine will not autostop despite the system being active, such as:

- Engine still cold.
- Especially cold outside temperature.
- Battery not sufficiently charged.
- Driver's door not shut.
- Driver's seat belt not fastened.
- Reverse gear engaged (e.g. for parking maneuvers).
- With the automatic climate control active, an adequate cabin heating or cooling comfort has not been reached or with MAX-DEF function active.
- During the first period of use, to initialize the system.
- Steering angle beyond threshold.

## ENGINE RESTARTING CONDITIONS

Due to comfort, emission control and safety reasons, the engine can restart automatically without any action by the driver, under special conditions, such as:

- Battery not sufficiently charged.
- Vehicle moving (e.g. when driving on roads with a grade).
- Engine stopping by the Stop/Start system for more than approximately three minutes.
- With the automatic climate control active, an adjustment in cabin heating or cooling is made or with MAX-DEF function active.

## SAFETY FUNCTIONS

When the engine is stopped through the Stop/Start system, if the driver releases their seat belt, opens the driver's or passenger's door, or opens the hood from inside the vehicle, the engine can be restarted only by using the ignition.

This condition is indicated to the driver both through a buzzer and a message on the instrument cluster display.

## IRREGULAR OPERATION

In the event of malfunction, the Stop/Start system is deactivated.

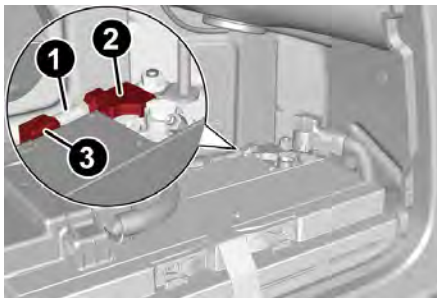
For further information on failure indications  
↪ page 74.

## VEHICLE INACTIVITY

In the event of vehicle inactivity (or if the battery is replaced), special attention must be paid to the disconnection of the battery power supply.

### Proceed as follows:

Remove connector from socket to disconnect sensor (battery status monitoring) installed on the negative pole of the battery. This sensor should never be disconnected from the pole except if the battery is replaced.



Battery Power Supply

- 1 – Socket
- 2 – Sensor
- 3 – Connector

### NOTE:

After setting the ignition to OFF and having closed the driver side door, wait at least one minute before disconnecting the electrical supply from the battery. When reconnecting the electrical supply to the battery, make sure that the ignition is in the OFF position and the driver side door is closed.

## SPEED LIMITER

### DESCRIPTION

This feature allows the driver to program the maximum speed of the vehicle.

### NOTE:

The maximum set speed can be exceeded by continuing to press the accelerator pedal.

The maximum speed can be set with the vehicle stationary or in motion. The minimum speed that can be set is 18 mph (30 km/h).

When this feature is active, the vehicle speed depends on the pressing of the accelerator pedal until the programmed speed limit is reached ↪ page 100.

### ACTIVATION

The feature can be activated/deactivated through the radio system.

### Activating The Device

To access this feature, select the "Driver Assistance" widget in the radio system, then select the following items in sequence:

1. Speed Limiter
2. ON

The activation of this feature is signaled by the illumination of the green Speed Limiter icon, along with the last speed set, in the instrument cluster display. The Speed Limiter feature can remain active concurrently with the Cruise Control system. If a speed limit below the one indicated in the Cruise Control is selected, the Cruise Control speed will be lowered to that of the Speed Limiter. This function remains available in RACE mode.





Speed Limiter Display

## SPEED LIMIT PROGRAMMING

The speed limit can be programmed through the radio system.

To access the function on the main menu, select the following items in sequence:

1. Driver Assistance
2. Speed Limiter - Set Speed

By turning the Rotary Pad, the speed increases by 5 mph (8 km/h), from a minimum of 18 mph (30 km/h) to a maximum of 112 mph (180 km/h).

## EXCEEDING THE PROGRAMMED SPEED

By fully pressing the accelerator pedal, the programmed speed can be exceeded even with the device active (e.g. in the event of overtaking).

The device is disabled until the speed drops below the set limit, after which it reactivates automatically.

## PROGRAMMED SPEED ICON FLASHING

The programmed speed will flash in the following scenarios:

- When the accelerator pedal has been fully pressed and the vehicle has exceeded the programmed speed.
- Activating the system after setting a limit below the effective speed of the vehicle.
- In the event of overtake acceleration.

## DEACTIVATION

The feature can be activated/deactivated through the radio system.

### Deactivating The Device

To access this feature, select the “Driver Assistance” widget in the radio system, then select the following items in sequence:

1. Speed Limiter
2. OFF

### Automatic Deactivation Of The Device

The device deactivates automatically in the event of fault in the system. In this case, contact an authorized dealer.

### Temporary Signal Loss

When the device loses the signal, the white symbol without the speed indication illuminates on the display.

### System Failure

If there is a system failure, the amber symbol illuminates on the display.

## CRUISE CONTROL SYSTEMS — IF EQUIPPED

Your vehicle may be equipped with the Cruise Control system, or the Adaptive Cruise Control (ACC) system:

- Cruise Control will keep your vehicle at a constant preset speed.
- Adaptive Cruise Control (ACC) will adjust the vehicle speed up to the preset speed to maintain a distance with the vehicle ahead.

### NOTE:

- In vehicles equipped with ACC, if ACC is not enabled, Fixed Speed Cruise Control will not detect vehicles directly ahead of you. Always be aware of the feature selected.
- Only one Cruise Control feature can operate at a time. For example, if Fixed Speed Cruise Control is enabled, Adaptive Cruise Control will be unavailable, and vice versa.

## CRUISE CONTROL

When engaged, the Cruise Control takes over accelerator operations at speeds greater than 20 mph (32 km/h).



Cruise Control On/Off Switch

The Cruise Control buttons are located on the left side of the steering wheel.

While driving downhill, the system could brake the vehicle to keep the set speed the same.



### WARNING!

Cruise Control can be dangerous where the system cannot maintain a constant speed. Your vehicle could go too fast for the conditions, and you could lose control and have an accident. Do not use Cruise Control in heavy traffic or on roads that are winding, icy, snow-covered or slippery.

## To Activate

To activate the Cruise Control system, push the on/off button located on the left side of the steering wheel.

The activation of the system is signaled by the illumination of the white indicator light on the instrument cluster.



Cruise Control Indicator Light

The Cruise Control function can remain active at the same time as the Speed Limiter system. If the set speed is higher than the speed set with the Speed Limiter, the set speed will be lowered to that of the Speed Limiter.

For Quadrifoglio vehicles, this function remains available in RACE mode.

### NOTE:

The system cannot be engaged in FIRST or REVERSE gear. It is advisable to engage it in THIRD gear or higher if using the AutoStick feature.



### WARNING!

Leaving the Cruise Control system on when not in use is dangerous. You could accidentally set the system or cause it to go faster than you want. You could lose control and have an accident. Always ensure the system is OFF when you are not using it.

## To Set A Desired Speed

To set a desired speed, proceed as follows:

1. Turn the Cruise Control on.
2. When the vehicle has reached the desired speed, push the SET switch up or down and release to activate. When the accelerator is released, the vehicle will maintain the selected speed automatically.



SET Switch Location

If needed (when overtaking for instance), you can accelerate beyond the set speed by pressing the accelerator. When you release the pedal, the vehicle will return to the previously set speed.

When traveling downhill with the system active, the vehicle speed may slightly exceed the set one.

### NOTE:

Before pushing the SET switch, the vehicle must be traveling at a constant speed on a flat surface.

## To Vary The Speed Setting

### To Increase Or Decrease The Set Speed

When the Cruise Control is set, you can increase the speed by pushing the SET switch upward or decrease the speed by pushing the SET switch downward.

### U.S. Speed (mph)

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



**Metric Speed (km/h)**

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

**NOTE:**

Moving the RES/SET switch downward allows you to adjust the speed according to the selected unit of measurement ("US" or "Metric") set on the radio system  
 ⇨ page 180.

**To Accelerate For Passing**

While the Cruise Control is set, press the accelerator to pass as you would normally. When the pedal is released, the vehicle will return to the set speed.

**Using Cruise Control On Hills**

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

The Cruise Control system maintains speed up and down hills. A slight speed change on moderate hills is normal. On steep hills, a greater speed loss or gain may occur so it may be preferable to drive without Cruise Control.

**WARNING!**

Cruise Control can be dangerous where the system cannot maintain a constant speed. Your vehicle could go too fast for the conditions, and you could lose control and have an accident. Do not use Cruise Control in heavy traffic or on roads that are winding, icy, snow-covered or slippery.

**To Resume Speed**

To resume a previously set speed, push the RES button and release. Resume can be used at any speed above 20 mph (32 km/h).

**NOTE:**

Before resuming the previously set speed, you must accelerate to a speed close to that speed.

**Resume Button Location**

In AutoStick (sequential) mode, before resuming the previously set speed, you should accelerate until you are close to that speed. Then, push and release the RES button.

**To Deactivate**

A tap on the brake pedal deactivates the Cruise Control without deleting the set speed.

The Cruise Control may also be deactivated by applying the Electric Park Brake or when the braking system is operated (e.g. operation of the Electronic Stability Control (ESC) system).

The set speed is deleted in the following cases:

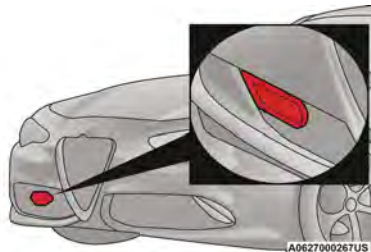
- Pushing the on/off button a second time
- The ignition is placed in the OFF position
- If there is a malfunction with the Cruise Control

**ADAPTIVE CRUISE CONTROL (ACC)**

The Adaptive Cruise Control (ACC) is a driver assist system that combines the Cruise Control functions with controlling the distance from the vehicle ahead. ACC will adjust the vehicle speed up to the preset speed to maintain a distance with the vehicle ahead. ACC increases the driving convenience provided by Cruise Control while traveling on highways and major roadways. However, it is not a safety system and not designed to prevent collisions. **The Cruise Control function performs differently** ⇨ page 100.

ACC will allow you to keep Cruise Control engaged in light to moderate traffic conditions without the constant need to reset your Cruise Control. ACC uses a radar sensor located behind the front fascia/bumper and a camera located in the center/upper part of the windshield, to detect the presence of a vehicle close ahead.

The system sets and holds the vehicle at the desired speed without needing to press the accelerator. It also sets and holds a distance from the vehicle ahead (these settings are set by the driver).

**Front Bumper Radar Location**





Windshield Camera Location

If the system detects a vehicle ahead, it will automatically intervene by slightly braking or accelerating in order to maintain the preset distance. It will not exceed the original set speed when adapting to the speed of the vehicle ahead.

**NOTE:**

Adaptive Cruise Control performance is not guaranteed under the following circumstances. You should not utilize the ACC system when:

- Driving in fog, heavy rain, sleet, or snow.
- Driving in heavy traffic and complex driving situations (e.g., in construction zones).
- Driving on icy, snowy, slippery roads, roads with steep inclines or downhill slopes, or roads with numerous turns and bends.
- Entering a turn lane or highway off-ramp.
- When circumstances do not allow safe driving at a constant speed → page 316.



**WARNING!**

- Adaptive Cruise Control (ACC) is a convenience system. It is not a substitute for active driver involvement. It is always the driver's responsibility to be attentive of road, traffic, and weather conditions, vehicle speed, distance to the vehicle ahead and, most importantly, brake operation to ensure safe operation of the vehicle under all road conditions. Your complete attention is always required while driving to maintain safe control of your vehicle. Failure to follow these warnings can result in a collision and death or serious personal injury.
  - The ACC system:
    - Does not react to pedestrians, oncoming vehicles, and stationary objects (e.g., a stopped vehicle in a traffic jam or a disabled vehicle).
    - Cannot take street, traffic, and weather conditions into account, and may be limited upon adverse sight distance conditions.
    - Does not always fully recognize complex driving conditions, which can result in wrong or missing distance warnings.
    - Will bring the vehicle to a complete stop while following a vehicle ahead and hold the vehicle for approximately two minutes in the stop position. If the vehicle ahead does not start moving within two minutes, the parking brake will be activated and the ACC system will be canceled.
- You should switch off the ACC system:
- When driving in fog, heavy rain, heavy snow, sleet, heavy traffic, and complex driving situations (i.e., in highway construction zones).

(Continued)



**WARNING!**

- When entering a turn lane or highway off-ramp; when driving on roads that are winding, icy, snow-covered, slippery, or have steep uphill or downhill slopes.
- When circumstances do not allow safe driving at a constant speed.

**Activating Adaptive Cruise Control (ACC)**

The minimum set speed for the ACC system is 19 mph (30 km/h).

The system **cannot** be activated:

- When pressing the brake pedal.
- When the brakes are overheated.
- When the Electric Park Brake has been operated.
- When either PARK, REVERSE or NEUTRAL is engaged.
- When the engine RPM is above a maximum threshold.
- When the vehicle speed is not within the operational speed range.
- When the Electronic Stability Control (ESC) (or Anti-Lock Brake System (ABS) or other stability control systems) are operating or have just operated.
- When the ESC system is off.
- When the Forward Collision Warning system is braking automatically (if equipped).
- In the event of a system failure.
- When the engine is off.
- In case of obstruction of the radar sensor (in this case the fascia/bumper area where it is located must be cleaned).



If the system is set, the previously described conditions also cause a cancellation or deactivation of the system. These situations may vary according to the conditions.

#### NOTE:

The system will not be deactivated when speeds higher than those set are reached by pressing the accelerator pedal above 110 mph (180 km/h). In these situations, the system may not work correctly and it is recommended to deactivate it.

The driver should always obey traffic laws and speed limits. Never drive above applicable speed limit restrictions.

### To Activate/Deactivate

The system has four operating states:

- Enabled (speed not set)
- Activated (speed set)
- Paused
- Deactivated

#### To Activate

To enable the system, push and release the on/off button located on the left side on the steering wheel.



On/Off Button

When the system is enabled and ready to operate, the display shows the white ACC icon above dashes in place of the speed.



Enabled Icons

Setting a speed activates the system. The display shows the icon in green with the set speed.



#### WARNING!

Leaving the Adaptive Cruise Control (ACC) system on when not in use is dangerous. You could accidentally set the system or cause it to go faster than you want. You could lose control and have a collision. Always leave the system off when you are not using it.

#### To Pause/Deactivate

With the feature enabled (speed not set), push the on/off button to disable.

With the feature active (speed set), push the on/off button to pause. The display will show the icon in white with the speed in brackets. To deactivate the feature, push the on/off button a second time.

### To Set A Desired Speed

When the vehicle reaches the desired speed, push the RES/SET switch downward and release it to activate the system. When the accelerator is released, the vehicle will maintain the set speed automatically.



SET Switch

While the accelerator pedal is pressed, the system will not be able to control the distance between the vehicle and the one ahead. In this case, the speed will be determined only by the position of the accelerator pedal.

The system will return to normal operation as soon as the accelerator pedal is released.

### To Vary The Speed Setting

#### To Increase Or Decrease The Set Speed

Once the system has been activated, you can increase the speed by pushing the RES/SET switch upward or decrease the speed by pushing the RES/SET switch downward. Each time the switch is pushed, the speed is adjusted by 1 mph.

Pushing and holding the switch upward or downward will cause the set speed to adjust in 5 mph increments until the button is released. The new set speed is reflected in the instrument cluster display.

## NOTE:

- Moving the RES/SET switch downward allows you to adjust the speed according to the selected unit of measurement ("US" or "Metric") set on the radio system ↪ page 180.
- When the unit of measurement is set to Metric, pushing and holding the RES/SET switch will adjust the speed in 10 km/h increments.
- By keeping the accelerator pedal pressed, the vehicle can continue to accelerate beyond the set speed. In this case, use the RES/SET switch to set the speed to the vehicle's current speed.
- When you push the RES/SET button to reduce the speed, the braking system intervenes automatically if the engine brake does not slow the vehicle down sufficiently to reach the set speed. The device holds the set speed uphill and downhill; however a slight variation is entirely normal, particularly on slight inclines.
- The transmission could shift to a lower gear when driving downhill, or when accelerating. This is normal and necessary to maintain the set speed.
- The system will disable while driving if the brakes overheat.

## To Resume

Once the system has been canceled but not deactivated, to resume a previously set speed, simply push the RES/SET switch upward and remove your foot from the accelerator to recall it.

The system will be set to the last stored speed.



## WARNING!

The Resume function should only be used if traffic and road conditions permit. Resuming a set speed that is too high or too low for prevailing traffic and road conditions could cause the vehicle to accelerate or decelerate too sharply for safe operation. Failure to follow these warnings can result in a collision and death or serious personal injury.

## Setting The Distance Between Vehicles

The distance between your vehicle and the vehicle ahead may be set to one bar (short), two bars (medium), three bars (long), or four bars (maximum).



Distance Icons

The distances from the vehicle ahead are proportional to speed.

The interval of time with relation to the vehicle ahead remains constant and varies from one second (for the short distance one-bar setting) to two seconds (for the maximum distance four-bar setting).

The set distance is shown on the display by a dedicated icon.

The setting is four bars (maximum) the first time the system is used. After the distance has been modified by the driver, the new distance will be stored even if the system is deactivated and reactivated.

## To Decrease The Distance

Push and release the distance button to decrease the distance setting. The distance setting decreases by one bar (shorter) every time the button is pushed.



Distance Button

The set speed is held if there are no vehicles ahead.

Once the shortest distance has been selected, the next push of the button will set the maximum distance.

If a slower vehicle is detected in the same lane, the vehicle icon on the display illuminates from grey to white. The system automatically adjusts the vehicle's speed to keep the set distance, independently of the set speed.



The vehicle holds the set distance until:

- The vehicle ahead accelerates to a speed higher than the set speed.
- The vehicle ahead leaves the lane or the detection field of the Adaptive Cruise Control system sensor.
- The distance setting is changed.
- The Adaptive Cruise Control system is deactivated/paused.



### WARNING!

- The maximum braking applied by the system is limited. The driver may apply the brakes in all cases if needed.
- If the system predicts that the braking level is insufficient to hold the set distance, either "BRAKE!" or a dedicated message is displayed to warn the driver of approaching the vehicle ahead. An acoustic signal is also emitted. In this case, it is advised to brake immediately as necessary to hold a safe distance from the vehicle ahead.
- The driver is responsible for ensuring that there are no pedestrians, other vehicles or objects along the path of the vehicle. Failure to comply with these precautions may cause serious accidents and injuries.
- The driver is fully responsible for holding a safe distance from the vehicle ahead respecting the highway code in force in the respective country.

## Overtake Aid

When driving with ACC engaged and following a vehicle at a speed greater than 45 mph (70 km/h), the system will provide an additional acceleration up to the ACC set speed to assist in passing the vehicle. This additional acceleration is triggered when the driver utilizes the left turn signal and will only be active when passing on the left hand side.

The system detects the direction of traffic automatically when the vehicle passes from left hand traffic to right hand traffic. In this case, the overtaking assist function is only active when the reference vehicle is overtaken on the right. The additional acceleration is deactivated when the driver uses the right direction indicator and returns to the original lane.

## Stop And Go Function

The Stop and Go operating strategy allows you to maintain a safe distance from the vehicle ahead until the vehicle has completely stopped.

In the event that the ACC system brings your vehicle to a standstill while following the vehicle in front, if the vehicle in front starts moving within two seconds of your vehicle coming to a standstill, your vehicle will resume motion without the need for any driver action.

If the vehicle in front does not start moving within two seconds of your vehicle coming to a standstill, the driver will have to push the RES/SET switch upward to restart.



### WARNING!

When the ACC system is resumed, the driver must ensure that there are no pedestrians, vehicles or objects in the path of the vehicle. Failure to follow these warnings can result in a collision and death or serious personal injury.

## Deactivation

The system is deactivated and the set speed is canceled if:

- The on/off button is pushed (when the system is on or paused)
- The ignition is placed in the OFF position
- RACE mode is activated (Quadrifoglio models)

The system is canceled (the set speed and distance are stored):

- When the system is paused ↪ page 104
- When the conditions shown in the "Activating Adaptive Cruise Control (ACC)" section occur ↪ page 103

## Limited Operation Warning

If the dedicated message is shown on the display, a condition limiting the Adaptive Cruise Control operation may have occurred.

This could be due to an obstruction of the vehicle's sensor or camera. It could also be due to a fault in the system. If an obstruction is detected, clean the area of the windshield opposite the interior rearview mirror, where the camera is located, as well as the area of the front fascia/bumper where the sensor is located. Then check that the message has disappeared.

When the conditions limiting the system functions end, normal operation will resume.

Should the fault persist, contact an authorized dealer.

## Precautions While Driving With ACC

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

## Towing A Trailer

Towing a trailer is not recommended when using ACC.

## Offset Driving

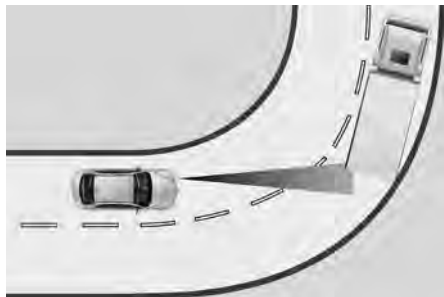
ACC may not detect a vehicle in the same lane that is offset from your direct line of travel, or a vehicle merging in from a side lane. There may not be sufficient distance to the vehicle ahead. The offset vehicle may move in and out of the line of travel, which can cause your vehicle to brake or accelerate unexpectedly.

## Turns And Bends

When driving on a curve with ACC engaged, the system may increase or decrease the vehicle speed for stability, with no vehicle ahead detected. Once the vehicle is out of the curve, the system will resume your original set speed. This is a part of normal ACC system functionality.

### NOTE:

On tight turns ACC performance may be limited.



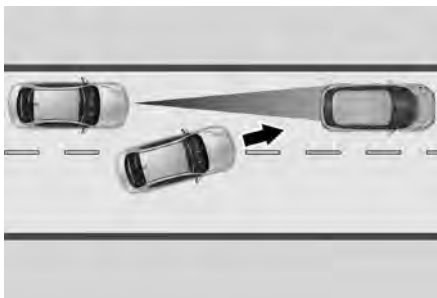
Turn Or Bend Example

## Using ACC On Hills

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

## Lane Changing

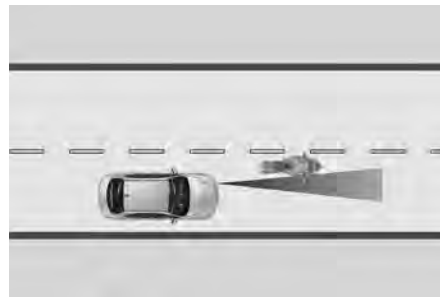
ACC may not detect a vehicle until it is completely in the lane in which you are traveling. In the following lane changing example, ACC has not yet detected the vehicle changing lanes and it may not detect the vehicle until it's too late for the ACC system to take action. ACC may not detect a vehicle until it is completely in the lane. There may not be sufficient distance to the lane-changing vehicle. Always be attentive and ready to apply the brakes if necessary.



Lane Changing Example

## Narrow Vehicles

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




Narrow Vehicle Example

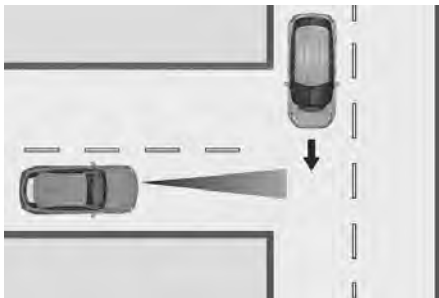
## Stationary Objects And Vehicles

ACC does not react to stationary objects or vehicles. For example, ACC will not react in situations where the vehicle you are following exits your lane and the vehicle ahead is stopped in your lane. It will consider this stopped vehicle a stationary object as it did not previously detect movement from it. Always be attentive and ready to apply the brakes if necessary.

## Objects And Vehicles Moving In Opposite Or Crosswise Direction

The system cannot detect the presence of objects or vehicles traveling in opposite or crosswise directions and consequently will not activate  page 316.





**Objects And Vehicles Moving In Opposite Or Crosswise Direction**

**IFETEL: RCPBOMR 14-0766**

La operación de este equipo está sujeta a las siguientes dos condiciones:

1. es posible que este equipo o dispositivo no cause interferencia perjudicial y
2. este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Changes or modifications made to this equipment not expressly approved by Robert BOSCH GmbH may void the FCC authorization to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference

in which case the user will be required to correct the interference at his own expense.

Toutes modifications apportées à cet équipement qui ne sont pas expressément homologuées par Robert BOSCH GmbH peuvent annuler l'autorisation de la FCC de faire fonctionner cet équipement.

Cet appareil a été vérifié et s'est révélé conforme aux normes applicables aux appareils numériques de catégorie A, en vertu de la section 15 des règlements de la FCC. Ces normes sont définies pour fournir une protection raisonnable contre les interférences nuisibles lorsque l'équipement est utilisé dans les installations résidentielles. Cet appareil génère, utilise et peut émettre des ondes radioélectriques et, s'il n'est pas installé et utilisé conformément au manuel d'instruction, peut causer un brouillage radioélectrique nuisible aux communications radio. Le fonctionnement de cet équipement dans une zone résidentielle est susceptible de causer des interférences nuisibles; dans ce cas, l'utilisateur doit corriger les interférences à ses propres frais.

**Radio Frequency Exposure Information**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**Déclaration d'exposition aux radiations**

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Ce transmetteur ne doit pas être placé au même endroit ou utilisé simultanément avec un autre transmetteur ou antenne.

## HIGHWAY ASSIST SYSTEM (HAS) — IF EQUIPPED

The Highway Assist System (HAS) is a driving assistance system that is only available when driving on highways. The system operates up to speeds of 90 mph (145 km/h).

The system uses information from the front camera and radar to help keep the vehicle in the center of the lane and at a constant speed.

HAS combines Adaptive Cruise Control (ACC) functions with lane centering logic to control the trajectory of the vehicle. HAS requires the driver's hands to remain on the steering wheel.

Once HAS is activated, a dedicated screen will appear on the instrument cluster display.

### To ACTIVATE/DEACTIVATE

**To Activate**

To activate HAS, push the button located on the left side of the steering wheel.



**Highway Assist Button**

## Suspension Conditions

The following operations will suspend HAS:

- Steer manually
- Press the brake pedal
- Disable the ACC device
- Activate the turn signals
- Push the ACC activation setting button for two seconds to activate Cruise Control
- Place the gear selector in PARK, REVERSE, or NEUTRAL

Reactivating the ACC system will reactivate HAS

➔ page 102.

## Automatic Deactivation

The system can be deactivated in any of the following situations:

- If there are narrow bends
- When hands are removed from the steering wheel
- If the left or right turn signal is activated
- If the driver intentionally changes lanes without using the turn signal
- If the driver's seat belt is released
- If the gear selector is placed in DRIVE
- If the "Active Braking" function is activated  
➔ page 194
- If the vehicle exits the highway
- If the lane markings are not detected by the camera
- If the ACC device is deactivated
- If the vehicle speed exceeds 90 mph (145 km/h)

## NOTE:

- When HAS is turned off, the symbol on the display turns red and then grey.
- Hands on the steering wheel are detected by a capacitive sensor within the steering wheel.

When the automatic suspension conditions are over, HAS will be automatically reactivated.

## OPERATION

HAS only operates when the driver's hands are on the steering wheel.

If the system detects that the driver's hands have been removed from the steering wheel, the system will alert the driver to place their hands back on the steering wheel ➔ page 110.

If the vehicle crosses the lane boundary, the steering wheel will vibrate and the dedicated screen will appear in the instrument cluster display.

## NOTE:

HAS may take up to five seconds to turn on once all conditions are met. During this time, a grey indicator light will appear on the instrument cluster display and the system will automatically activate as soon as all of the conditions are met with no intervention from the driver.

The following conditions must be met before HAS turns on:

- HAS must be enabled by pushing the button on the steering wheel
- The vehicle must be on a highway
- ACC must be activated
- The right and left lane boundaries must be visible
- The vehicle speed must be between 0 and 90 mph (0 and 145 km/h)
- The camera, radar, and radio system must be functioning properly
- The road lane width must be between 8.5 ft and 13.7 ft (2.6 m and 4.2 m)
- The turn signals must not be activated
- HAS must be functioning properly

Other operating limits:

- If the speed of ACC can be set to a higher value (top speed 110 mph (180 km/h), HAS is only available as long as the vehicle speed is equal to or less than 90 mph (145 km/h).
- When the ACC speed is reduced and the vehicle speed is less than 90 mph (145 km/h), the system will automatically reactivate.
- If the ACC speed is set to 90 mph (145 km/h), traveling downhill may increase the vehicle speed. HAS will deactivate until the speed returns to 90 mph (145 km/h).

## INDICATIONS ON THE DISPLAY

HAS status can always be viewed in the instrument cluster display.

The system status is indicated by the color of the symbol on the display.

HAS uses sensors in the steering wheel to detect if the driver's hands are on it.

If the driver's hands are not on the steering wheel, a series of warnings will appear in the instrument cluster display to alert the driver to reposition their hands on the steering wheel. An acoustic signal will also sound. After a period of time, HAS will disable if the driver's hands do not return to the steering wheel.

When the system does not detect hands on the steering wheel, it will warn the driver by displaying a dedicated screen on the instrument cluster display.



## SYSTEM STATUS

### Active System

When the system is active, the following screen will appear in the Driver Assistance menu on the instrument cluster display.



**HAS Active**

If on a different menu screen, a symbol will appear on the instrument cluster display indicating that the system is active.

When the driver's hands are removed from the steering wheel, the system disables after a few seconds. A screen will appear in the instrument cluster display warning the driver to return their hands to the steering wheel.

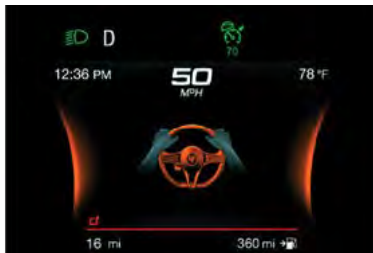
### Active System (Hands Removed From The Steering Wheel For A Short Time)

As soon as the driver removes their hands from the steering wheel, the following screen will appear in the instrument cluster display. The system will remain active at this time.



**Hands Removed Initial Warning**

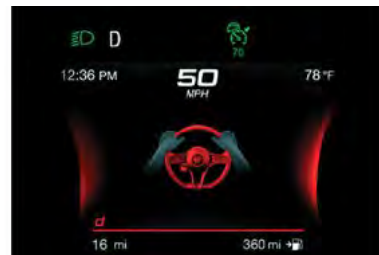
If the driver does not return their hands to the steering wheel within a few seconds, the following screen will appear in the instrument cluster display.



**Hands Removed Secondary Warning**

### Active System (Hands Removed From The Steering Wheel For A Long Time)

If the driver still has not returned their hands to the steering wheel after the previously described screen is displayed, the following screen will now appear in the instrument cluster display, and an acoustic signal will sound until the driver regains control of the vehicle.



**Hands Removed Final Warning**

If the driver's hands are not returned to the steering wheel after an extended period of time, a deactivation message will appear on the instrument cluster display. The steering wheel control will be deactivated.

This display will remain active even when the driver's hands are removed from the steering wheel. The symbol on the display will turn grey.

The ACC system and Lane Departure Warning systems will also be disabled.

When HAS is active, the Lane Keeping Assist (LKA)/ Lane Departure Warning (LDW) systems (if equipped), if previously activated, will remain activated.

## LIMITED SYSTEM AVAILABILITY/OPERATION

### System Availability

External factors and conditions may affect the proper operation of HAS, such as:

- Narrow, winding, curvy streets
- Poor visibility (due to heavy rain, snow, fog, etc.)
- Front lights of oncoming vehicles or direct sunlight or shade
- Damage or obstructions caused by mud, ice, snow, etc.



- Fascia/bumper damaged or not aligned
- Interference with other equipment that causes electromagnetic waves
- Presence of roadwork/road construction sites
- If the indications given by the navigation system (if any) of the radio system are not yet ready and/or if the navigation system is recalculating the route

#### System Limited Operation

HAS may have limited or reduced functionality when one of the following conditions occur:

- Lane markings are not clear or in conditions of poor visibility (e.g. in heavy rain, snow, fog, etc.)
- Either the camera or radar are damaged, covered, or obstructed (e.g. by mud, ice, snow, etc.)
- When driving on hills or roads with narrow bends
- Near highway toll booths
- When the highway entrance or exit is wider than 20 ft (6 m)
- If the camera is exposed to glare caused by reflections or direct sunlight
- If the navigation system information is unavailable or being recalculated

#### NOTE:

- If the vehicle approaches a bend that is too narrow with respect to the current speed, HAS will disable.
- If damage to the windshield occurs, have the windshield replaced by an authorized dealer as soon as possible.



#### WARNING!

To prevent serious injury or death:

- Always remain alert and be ready to take control of the vehicle in the event that the HAS system disables.
- Always keep your hands on the steering wheel when HAS is activated.
- Maintain a safe distance from other vehicles and pay attention to traffic conditions.
- Do not place any objects on the steering wheel (e.g. steering wheel covers) which could interfere with the hand detection sensor.
- ALWAYS obey traffic laws and pay attention to the road. ALWAYS drive safely with your hands on the steering wheel. You have full responsibility and assume all risks related to the use of the features and applications in this vehicle. Only use the features and applications when it is safe to do so. Failure to do so may result in an accident involving serious injury or death.

## TRAFFIC JAM ASSIST (TJA) SYSTEM — IF EQUIPPED

The Traffic Jam Assist (TJA) system can be activated on all road types. The system uses a camera and radar sensors located on the front fascia/bumper to detect lane markings and keep the vehicle in the center of the lane.

When the system is unable to detect lane markings, it will still operate using surrounding traffic. This can occur in congested traffic scenarios, when the vehicles ahead or surrounding obstruct the visibility of the lane markings. When the speed is below 12 mph (20 km/h), the system can use a lock-on strategy that allows the vehicle to automatically follow the vehicle ahead.

The TJA system combines Adaptive Cruise Control (ACC) functions with Lane Departure Warning functions to maintain vehicle speed and steering wheel behavior.

#### NOTE:

Do not use the TJA system while driving in urban areas.



#### WARNING!

You should switch off the TJA system:

- When driving in fog, heavy rain, heavy snow, sleet, heavy traffic, and complex driving situations (i.e., in highway construction zones).
- When entering a turn lane or highway off-ramp; when driving on roads that are winding, icy, snow-covered, slippery, or have steep uphill or downhill slopes.
- When circumstances do not allow safe driving at a constant speed.



## To ACTIVATE/DEACTIVATE

To activate the system, push the button on the left side of the steering wheel.

To deactivate the system, push the button again.



Traffic Jam Assist Button

### Suspension Conditions

The following operations will suspend the TJA system:

- Pressing the brake pedal
- Opening the driver's door
- Disabling ACC
- If the vehicle speed exceeds 37 mph (60 km/h)
- Releasing the driver's seat belt
- Placing the gear selector in PARK, REVERSE, or NEUTRAL
- If the Forward Collision Warning system or "Active Braking" intervenes

### Automatic Deactivation

System operation will be temporarily disabled under the following conditions:

- When traveling around narrow bends
- If the lane boundaries are not detected

- One of the two lines is interrupted
- The sun is low and reflects on the radar camera
- If the turn signals are activated
- If the driver intentionally changes lanes without using the turn signal
- If manual steering begins
- If the driver's hands are removed from the steering wheel
- When there is no surrounding traffic and there are no horizontal lane boundaries
- If the system is not functioning properly
- If lateral acceleration is high

### NOTE:

- When TJA is turned off, the symbol in the instrument cluster display will turn red, and then grey.
- A sensor in the steering wheel detects whether the driver's hands are placed on the steering wheel.

When the automatic suspension conditions are over, the TJA system will be automatically reactivated.

## OPERATION

The TJA system can only operate when the driver's hands are on the steering wheel.

If the system detects that the driver's hands have been removed from the steering wheel, a message will appear in the instrument cluster display to alert the driver to place their hands back on the wheel.

### NOTE:

- If the vehicle begins to cross the lane boundary, the steering wheel will vibrate and a dedicated screen will appear in the instrument cluster display.
- The TJA system may take up to five seconds to become active once all conditions are met.

The following conditions must be met in order to activate the system:

- The TJA system must be enabled
- The Adaptive Cruise Control (ACC) system must be turned on
- The right and left lane boundaries must be recognized by the system
- The vehicle must be traveling at a speed between 0 and 37 mph (0 and 60 km/h)
- The camera, radar, and radio system must be functioning properly
- The road lane width must be between 8.5 ft and 13.7 ft (2.6 m and 4.2 m)
- The turn signals must be turned off
- The TJA system must be functioning properly
- If the ACC speed is set to 37 mph (60 km/h) or less, traveling downhill may increase the vehicle speed. The system will remain inactive until the speed returns to 37 mph (60 km/h) or less.

## INDICATIONS ON THE DISPLAY

The TJA system status is indicated by the color of the symbol in the instrument cluster display.

The system uses sensors in the steering wheel to detect if the driver's hands are present. If the driver's hands are removed, a series of warnings will appear in the instrument cluster display to alert the driver to reposition their hands on the steering wheel. Acoustic signals will also be emitted.

If the driver's hands are not returned to the steering wheel after a period of time, the system will be disabled.

## SYSTEM STATUS

### Active System

An active system is indicated by the following screen in the Driver Assistance menu on the instrument cluster display.



TJA System Active

### Active System (Hands Removed From The Steering Wheel For A Short Time)

The following screen will appear in the instrument cluster display immediately after the driver's hands are removed from the steering wheel. The system still remains active at this time.



Hands Removed Initial Warning

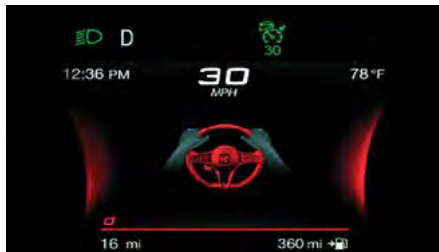
If the driver does not return their hands to the steering wheel within a few seconds, the following screen will appear in the instrument cluster display.



Hands Removed Secondary Warning

### Active System (Hands Removed From The Steering Wheel For A Long Time)

If the driver's hands have still not been returned to the steering wheel, the following screen will appear in the instrument cluster display.



Hands Removed Final Warning

An acoustic signal will sound until the driver regains control of the vehicle (hands on steering wheel). The system is still active at this time.

If the driver's hands are not returned to the steering wheel after a period of time, a deactivation message will appear on the instrument cluster display and the steering wheel control will be deactivated.

Once the indicator light on the display turns grey, the system is no longer active and the driver must take control of the vehicle. At this time, the Adaptive Cruise Control (ACC) system and Lane Departure Warning system will also be disabled.

When the TJA system is active, the Lane Keeping Assist (LKA)/Lane Departure Warning (LDW) systems will be temporarily disabled (if equipped). When TJA is not active, the LKA system and LDW system will remain active.

## LIMITED SYSTEM AVAILABILITY/OPERATION

### System Availability

Performance of the TJA system may be affected by the following factors:

- Narrow, winding, curvy streets
- Lane boundaries that are not clear or in conditions of poor visibility (e.g. heavy rain, snow, fog, etc.)
- If the camera is exposed to glare from direct sunlight or headlights of an oncoming vehicle
- If the camera or sensor is damaged, covered, or obstructed (e.g. by mud, ice, snow, etc.)
- The fascia/bumper is damaged or misaligned
- Interference with other equipment causes electromagnetic waves
- Construction sites
- If the indications given by the navigation system of the radio system are not yet ready or if the system is recalculating



**System Limited Operation**

The TJA system may have limited or reduced functionality when one of the following conditions occurs:

- Lane boundaries are not clear or in conditions of poor visibility (e.g. in heavy rain, snow, fog, etc.)
- Either the camera or radar are damaged, covered, or obstructed (e.g. by mud, ice, snow, etc.)
- When driving on hills or narrow bends
- Near highway toll booths
- When the highway entrance or exit is more than 20 ft (6 m) wide
- If the camera is exposed to glare from reflections or direct sunlight

**NOTE:**

- If damage to the windshield occurs, have the windshield replaced by an authorized dealer as soon as possible.
- If the vehicle approaches a bend that is too narrow with respect to the current speed, the TJA system will deactivate.

**WARNING!**

To prevent serious injury or death:

- Always remain alert and be ready to take control of the car in the event that the TJA system disables.
- Always keep your hands on the steering wheel when the TJA system is activated.
- Maintain a safe distance from other vehicles and pay attention to traffic conditions.

*(Continued)*

**WARNING!**

- The TJA system should only be used as a driving aid. The driver must always pay attention to their surroundings when the system is operating and be ready to take control of the vehicle at any time.
- Do not place any objects on the steering wheel (e.g. steering wheel covers) that could interfere with the hand detection sensor on the steering wheel.

## TRAFFIC SIGN RECOGNITION (TSR) SYSTEM — IF EQUIPPED

The Traffic Sign Recognition (TSR) system uses a camera mounted on the windshield to detect recognizable road signs such as:

- Speed limits
- No passing zones
- Signs indicating the end of speed limit or no passing zones

If the camera does not detect valid speed limits, the radio system navigation system may suggest unregulated speed limits.

The system always checks the traffic signs indicating the current speed limit signs. The system is able to recognize and display up to two different road signs in the instrument cluster display.

Depending on the unit of measurement (km/h or mph) set through the “Unit of Measurement” menu in the radio system, the TSR system will automatically show the indication of the road sign in the unit of measurements selected in the instrument cluster display.

## To ACTIVATE/DEACTIVATE

The TSR System can be activated/deactivated in the radio system in the Driver Assistance menu. The system activation is signaled by road signs shown on the instrument cluster display.

**NOTE:**

The TSR system will reset to the default setting when the vehicle is restarted.

**NOTE:**

- By selecting “Blinking”, the driver can activate a warning to display when the speed exceeds the limit indicated by the TSR System. The speed road sign on the instrument cluster display will blink until the vehicle speed drops below the displayed limit.
- Selecting “Offset” will set the speed at which “Blinking” is activated up to a maximum of 6 mph (10 km/h) above the limit detected by the system.
- If no speed limit signs are found, the system will revert to the speed limit signs that are stored in the NAV system.

## INDICATIONS ON THE DISPLAY

The system status can always be viewed through the instrument cluster display.

The instrument cluster display shows only the speed limit indications and consists of the following steps:

- The new speed limit recognized by the system, which is indicated by means of a predetermined color. The road sign indicating the end of the speed limit or a “Road Sign Not Detected” message may appear in this zone.
- After a predetermined distance, the previously displayed road sign changes color to inform the driver that the speed limit provided may no longer be valid.
- If the camera does not detect valid speed limits, the navigation system may suggest unregulated speed limits on the instrument panel display.



Traffic Signs Detected

- 1 — Speed Limit Recognized
- 2 — Traffic Sign Recognized



### CAUTION!

- Functionality may be limited or the system may not work if the sensor is obstructed.
- The system may have limited operation or not work at all in weather conditions such as heavy rain, hail, thick fog, and low temperatures. Strong light contrasts can influence the recognition capability of the sensor.
- The area surrounding the sensor must not be covered with stickers or any other object.
- Do not tamper or perform any operations in the area of the windshield glass directly surrounding the sensor.
- Clean foreign matters such as bird droppings, insects, snow or ice on the windshield. Use specific detergents and clean cloths to avoid scratching the windshield.

## INTELLIGENT SPEED CONTROL (ISC) SYSTEM — IF EQUIPPED

The Intelligent Speed Control (ISC) system is always paired with the Adaptive Cruise Control (ACC) system. The ISC system suggests an automatic speed adjustment to the driver based on the speed limit for the road being traveled. The driver can decide whether to accept or reject the automatic speed adjustment, using the switch on the steering wheel.

If the speed limit is exceeded according to the road signs or traffic conditions, a dedicated graphic message is displayed on the instrument panel display.

### NOTE:

The driver should always obey traffic laws and speed limits. Never drive above the applicable speed limit restrictions.



RES/SET Switch

## To ACTIVATE/DEACTIVATE

### To Activate

The system can be activated in the radio system within the Driver Assistance menu. The symbol illuminates in the instrument cluster display when the system is active.





1 — ISC System Active

**To Deactivate**

The system is deactivated under the following conditions:

- When the Traffic Sign Recognition (TSR) system is deactivated
- When the Adaptive Cruise Control (ACC) system is deactivated

**NOTE:**

Selecting “Speed Offset” allows the driver to set the speed up to a maximum of 6 mph (10 km/h) above or below the suggested speed set by the ISC system. In this instance, the road sign information shown in the instrument cluster display will continue to be detected by the TSR system.

**INDICATIONS ON THE DISPLAY**

The system status is indicated by a white or green icon in the instrument cluster display (similar to the Adaptive Cruise Control (ACC) device) to the left of the road sign indications provided by the Traffic Sign Recognition (TSR) system.

**ACCEPTANCE/REJECTION OF THE SUGGESTED SPEED**

The system can be activated if the driver has activated the following systems beforehand:

- Adaptive Cruise Control (ACC)
- Traffic Sign Recognition (TSR)

When these systems are active, a telltale will display in the instrument cluster display indicating the suggested speed provided by the TSR system. The driver has the option to accept or reject this using the RES/SET switch on the steering wheel.

To accept the proposed speed and adjust the speed set by ACC, move the RES/SET switch up or down in the direction indicated in the telltale.

To reject the proposed speed, move the RES/SET switch up or down in the direction opposite of the arrow in the telltale. The ACC system will continue to regulate to the previously set speed.

If the speed set by the ACC system is the same as the speed detected by the TSR system, the speed limit indicator on the instrument cluster display will be highlighted with a green circle.



1 — Suggested Speed Higher Than Current Speed



2 — Suggested Speed Lower Than Current Speed



1 — Road Sign Recognized

# PARKSENSE FRONT/REAR PARK ASSIST SYSTEM — IF EQUIPPED

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

When the REVERSE gear is engaged and the system is on, the front and rear sensors are activated. If the vehicle moves from REVERSE to a forward gear, the rear sensors are deactivated, while the front sensors remain active until the speed of 9 mph (15 km/h) is exceeded.

## NOTE:

In certain operating conditions, the system could start detecting an obstacle only after the vehicle has moved slightly (a few inches).



## WARNING!

Drivers must be careful when backing up even when using the ParkSense system. Always check carefully behind your vehicle, and be sure to check for pedestrians, animals, other vehicles, obstructions, or blind spots before backing up. You are responsible for the safety of your surroundings and must continue to pay attention while backing up. Failure to do so can result in serious injury or death.

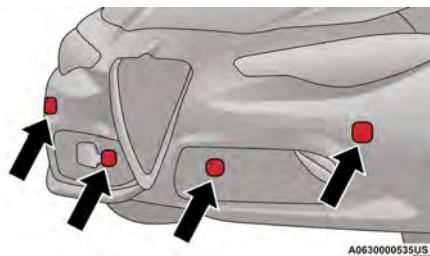


## CAUTION!

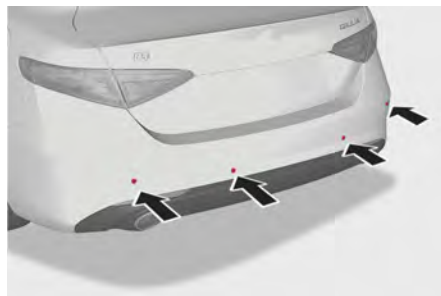
- The ParkSense system is only a parking aid and it is unable to recognize every obstacle, including small obstacles. Parking curbs might be temporarily detected or not detected at all. Obstacles located above or below the sensors will not be detected when they are in close proximity.
- The vehicle must be driven slowly when using the ParkSense system in order to be able to stop in time when an obstacle is detected. It is recommended that the driver looks over his/her shoulder when using the ParkSense system.

## PARKSENSE SENSORS

The ParkSense sensors located in the rear fascia/bumper and (if equipped) in the front fascia/bumper and behind the vehicle that is within the sensors' field of view. These sensors detect the presence of any obstacles and warn the driver through an acoustic signal and visual indications, which will be displayed on the instrument cluster display.



Front Sensor Location



Rear Sensor Location

## PARKSENSE DISPLAY

The driver can select the type of warning they would like to be displayed through the radio system. To access the function on the main menu, select in the following order:

1. Driver Assistance
2. ParkSense
3. Mode
4. Sound and Display

### Visual Indications

The system indicates the presence of an obstacle by displaying a single red arc in the detected area, in relation to the distance of the object and the position of the vehicle.

If the obstacle is detected in the front or rear central area, a single red arc will be displayed as the obstacle approaches, first constant, then flashing, in addition to an acoustic signal.



If the obstacle is detected in the front or rear left and/or right area, a single red flashing arc will be shown in the corresponding area on the display and the system will emit an acoustic signal, either at frequent intervals or constantly.

In general, the vehicle is closer to the obstacle when a single red flashing arc is shown on the display and the acoustic signal becomes continuous.

If several obstacles are detected simultaneously in the front and rear area, the display will show all of them, regardless of the area in which they were detected.

It is not possible to exit from the display screen while the vehicle is in REVERSE.

#### Acoustic Signal

In the presence of an obstacle at the front or the rear of the vehicle, an acoustic signal with variable frequency will sound:

- The acoustic signal increases in frequency as the distance between the vehicle and the obstacle decreases.
- The acoustic signal becomes continuous when the distance between the vehicle and the obstacle is less than 11 inches (30 cm), and stops if the distance increases.
- The acoustic signal is constant if the distance between the vehicle and the obstacle is unchanged.

#### NOTE:

If the sensors detect several front and rear obstacles, the closest obstacle is considered. An intermittent signal will sound if the obstacles are at the same distance (front and rear).

When the system emits an acoustic signal, the volume of the radio system, if activated, is automatically lowered.

An acoustic signal will not sound if the vehicle is in PARK.

## ENABLING AND DISABLING PARKSENSE

For vehicles only equipped with rear sensors, to turn the system off, push the ParkSense button located to the left of the headlight switch. The indicator light within the button will illuminate when the system is turned off. Pushing the button a second time will turn the system back on, and the indicator light will turn off.



ParkSense On/Off Switch

For vehicles equipped with front and rear sensors, to turn the front parking sensors off, push the ParkSense button located to the left of the headlight switch. The indicator light within the switch will illuminate when the system is turned off. Pushing the button a second time will turn the front sensors back on, and the indicator light will turn off.

#### NOTE:

Deactivation of both the front **and** rear parking sensors can only be done through the radio system.

The indicator light within the ParkSense system switch will also be on in case of system failure. If the switch is pushed with a system failure, the indicator light will flash for approximately five seconds. The light will then stay on constantly.

#### NOTE:

When the ignition is placed in the ON/RUN position, the ParkSense system keeps the last state when the engine was stopped (activated or deactivated) in its memory.

## PARKSENSE WARNING DISPLAY

Parking sensor faults, if any, will be indicated when REVERSE is engaged by a message on the instrument cluster display → page 74.

In case of system failure, a dedicated message appears on the instrument cluster for about five seconds.

- Cleaning The Front Or Rear Sensors:** If the display shows a message requiring the sensors to be cleaned, make sure that the outer surface and the underside of the front and rear fascias/bumpers are free of debris (e.g. snow, mud, ice, etc.). Once these areas are clear, place the ignition in the OFF position, then return it to ON/RUN. If the message is still displayed, contact an authorized dealer.
- Audio System Not Available:** If the display shows a message that the audio system is not available, it means that the acoustic signal will be emitted by the instrument panel, and not through the vehicle's speakers.



## PARKSENSE SYSTEM USAGE PRECAUTIONS

### NOTE:

Some conditions may influence the performance of the ParkSense system:

- Reduced sensor sensitivity could be due to the presence of ice, snow, mud, or thick paint on the surface of the sensor.
- The sensors may detect a false obstacle (echo interference) due to mechanical interference, for example when washing the vehicle or in extreme weather.
- The signals sent by the sensors can be altered by the presence of ultrasonic systems (e.g. pneumatic brake systems of trucks or pneumatic drills) near the vehicle.
- System performance can be influenced by the position of the sensors. For example, due to a change in the ride setting (caused by wear to the shock absorbers or suspension), by changing tires, overloading the vehicle or operations that require the vehicle to be lowered.
- Be sure not to place bumper stickers or other adhesives over the sensors as this will affect system performance.

## LANE DEPARTURE WARNING (LDW) SYSTEM – IF EQUIPPED

### LANE DEPARTURE WARNING OPERATION

The Lane Departure Warning system uses a forward facing camera located on the windshield to detect lane markings and measure vehicle position within the lane boundaries.

When one or both lane limits are detected and the vehicle passes over one without an activated turn signal, the system emits a visual as well as an audible signal.

If the vehicle continues to go beyond the line of the lane without any intervention from the driver, the surpassed line will light up on the display (left or right) to urge the driver to bring the vehicle back into the limits of the lane.



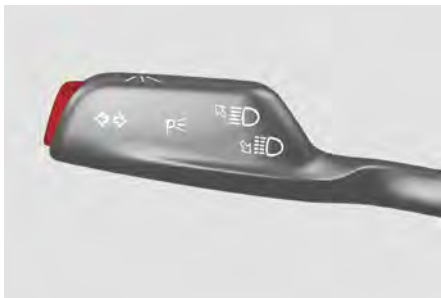
### CAUTION!

- Projecting loads on the roof of the vehicle may interfere with the correct operation of the camera. Before starting, make sure the load is correctly positioned in order to not cover the camera operating range.
- Do not cover the operating range of the camera with stickers or other objects.
- Do not tamper with nor operate on the camera. Do not close the openings in the aesthetic cover located under the interior rearview mirror. In the event of a failure of the camera, contact an authorized dealer.
- Camera operation may be impaired or interrupted in certain weather conditions such as: heavy rain, hail, thick fog, heavy snow, or formation of ice layers on the windshield.
- Camera operation may also be compromised by the presence of dust, condensation, dirt or ice on the windshield, by traffic conditions (e.g. vehicles that are driving not aligned with yours, vehicle driving in a transverse or opposite way on the same lane, bend with a small radius of curvature), by road surface conditions and by driving conditions (e.g. off-road driving). Make sure the windshield is always clean. Use specific detergents and clean cloths to avoid scratching the windshield. The camera operation may also be limited or absent in some driving, traffic and road surface conditions.
- If the windshield must be replaced due to scratches, chipping or breakage, contact exclusively an authorized dealer. Do not replace the windshield on your own. It is advisable to replace the windshield if it is damaged in the area of the camera.



## TURNING LANE DEPARTURE WARNING ON OR OFF

The system is activated/deactivated by pushing the button located on the end of the multifunction lever, or through the "Driver Assistance" widget using the radio system.



Lane Departure Warning System Activation/  
Deactivation Button

### NOTE:

The Lane Departure Warning system will retain the last system state on or off from the last ignition cycle when the ignition is placed in the ON/RUN position.

### Activation Conditions

Once turned on, the system becomes active only if the following conditions are met:

- The vehicle speed is equal to or above 37 mph (60 km/h) (the system is deactivated at speeds equal to or greater than 110 mph (180 km/h)).
- The lane markings are visible at least on one side.
- There are suitable visibility conditions.

- The road is straight or with wide radius bends.
- A suitable distance is kept from the vehicle in front.
- The turn signal is not active.

## LANE DEPARTURE WARNING MESSAGE

The Lane Departure Warning system will indicate the current lane drift condition through the instrument cluster display.

When the system is on and the lane markings have not been detected, the display shows two grey lane lines.



Lane Markings Not Detected

### Left Lane Departure — Only Left Lane Detected

When the system is active and only the left lane marking has been detected, the detected lane illuminates in white on the display; the system is ready to provide visual warnings on the display in the event of unintentional exiting of the lane (turn signal not activated) to the left.



Left Lane Marking Detected

When the system detects that the vehicle has approached the lane marking and is about to pass it, the left line on the display illuminates in yellow.



Left Lane Marking Approached

The system operates in the same way, but mirrored, in the event of exiting the right lane when only the right lane marking has been detected.

### Left Lane Departure — Both Lanes Detected

When the system is active, both lane lines on the display illuminate in white to indicate that both of the lane markings have been detected.

When lane markings are detected, the system is ready to provide indications in case the driver unintentionally leaves the lane (turn signal not activated).

As the Lane Departure Warning system detects the lane markings while the vehicle is in motion, it will adjust the display accordingly (from white to yellow and vice versa, and increase their thickness).

If a lane line is crossed, the driver is alerted by an audible signal as well as the visual indication in the instrument cluster. The signal is emitted through the speakers on the side of the lane marking which is being crossed (e.g. if the vehicle is exceeding the left line of the lane, the audible signal will come from the speakers on the left of the vehicle).

### Limited Operation Warning


If a message appears on the display, a condition limiting the Lane Departure Warning system operation may have occurred. This could be an obstruction of the camera view, or a fault in the system.

If an obstruction is detected, clean the area of the windshield by the interior rearview mirror.

Although the vehicle can still be driven in normal conditions, the system may not function properly.

When the conditions limiting the system are corrected, it will go back to normal operation. Should a fault persist, contact an authorized dealer.

### System Failure Warning

If the system turns off and the warning light  appears on the display, it means that there is a system fault.

In this case, it is still possible to drive the vehicle, but you are advised to contact an authorized dealer as soon as possible.

## CHANGING LANE DEPARTURE WARNING STATUS

The system's sensitivity can be set through the radio system. Sensitivity "High" or "Low" can be selected.

To access the function, from the main menu select the following in order:

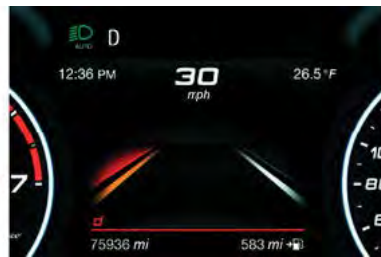
1. Driver Assistance
2. Lane Departure Warning
3. Sensitivity

## LANE KEEPING ASSIST (LKA) SYSTEM —IF EQUIPPED

The Lane Keeping Assist (LKA) system uses a camera located on the windshield to detect the lane markings and calculate the position of the vehicle within such markings, in order to make sure that the vehicle remains inside the lane. This is an active system that will apply torque to the steering wheel if it senses that the vehicle is drifting out of the lane.

When one or both lane markings are detected and the vehicle passes over one without a turn signal being applied, the system will apply torque to the steering wheel and a visual signal will be displayed in the instrument cluster display. An audible signal may also sound.

If the vehicle continues to go beyond the lane line without any driver intervention, the surpassed lane line (left or right) will light up on the instrument cluster display to urge the driver to bring the vehicle back inside the lane limits.



Lane Crossed

### TURNING LANE KEEPING ASSIST ON OR OFF

The system is activated/deactivated by pressing the button at the end of the multifunction lever. Each time the engine is started, the system maintains the operating mode that was selected when it was previously turned off.



Activation/Deactivation Button



**Activation Conditions**

Once the activation button is pushed, the system becomes active only if the following conditions are met:

- The car speed is higher than 37 mph (60 km/h). (The system is deactivated at speeds equal to or higher than 110 mph (180 km/h))
- The lane limit lines are visible at least on one side
- There are suitable visibility conditions
- The road is straight or with wide radius bends
- A suitable distance is kept from the vehicle in front
- The turn signal (to indicate leaving the lane) is not active

**LANE KEEPING ASSIST WARNING MESSAGE**

The Lane Keeping Assist system also advises the driver when the car changes lanes by showing symbols and messages on the instrument cluster display.

The message at the top of the display remains active only until the main reconfigurable area of the display is activated by pressing the TRIP button located on the end of the windshield wiper lever ⇄ page 69.

After activating the main reconfigurable area, the Lane Keeping Assist system messages will be shown in the instrument cluster display.

When the system is active and the lane markings have not been detected, the display shows two grey lane lines.



**Lane Markings Not Detected**

**Left Lane Departure — Only Left Lane Detected**

When the system is active and only, for example, the left lane marking has been detected, the detected lane illuminates white on the display. The system is ready to provide visual warnings on the display in the event of unintentional exiting of the lane (turn signal indicator not activated) to the left.



**Left Lane Marking Detected**

When the system detects that the vehicle has approached the lane marking and is about to pass it, the left line on the display illuminates in yellow.



**Left Lane Marking Approached**

**NOTE:**

The system operates in the same way, but mirrored, in the event of exiting the right lane when only the right lane marking has been detected.

**Left Lane Departure — Both Lanes Detected**

When the system is active, both lane lines on the display illuminate in white to indicate the successful detection of both limits.

When lane markings are detected, the system is ready to provide indications in case the driver unintentionally leaves the lane (turn signal not activated).

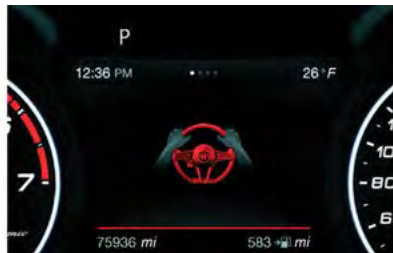
As the Lane Keeping Assist system detects the lane markings while the vehicle is in motion, it will adjust the display accordingly (from white to yellow and yellow to white, and increase their thickness).

If a lane line is crossed, the driver is alerted by an audible signal as well as the visual indication in the instrument cluster. The signal is emitted through the speakers on the side of the lane marking which is being crossed (e.g. if the vehicle is exceeding the left line of the lane, the audible signal will come from the speakers on the left of the vehicle).

## Hands Presence On The Steering Wheel Detection

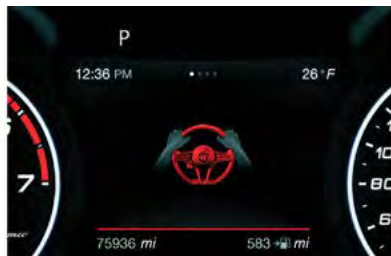
The system is able to detect the presence of the driver's hands on the steering wheel.

When the system does not detect the presence of hands on the steering wheel for a few seconds (up to 6 seconds), a yellow indicator light will be displayed on the instrument cluster display. No acoustic warning will be emitted in this case.



Hand Presence On The Steering Wheel Not Detected Display (Up To 6 Seconds)

When the system does not detect the presence of hands on the steering wheel for a few seconds (from 6 to 15 seconds), a red indicator light will be displayed on the instrument cluster display. A short acoustic signal will sound if hands are not detected on the steering wheel for 6 to 12 seconds. A continuous signal will sound if hands are not detected on the steering wheel for 12 to 15 seconds.



Hand Presence On The Steering Wheel Not Detected Display (6 To 15 Seconds)

After 15 seconds with the hands removed from the steering wheel, the LKA system will be deactivated and a dedicated message will be shown on the instrument cluster display. A short acoustic signal will sound in this case.

In any of the previously described situations where the hands are removed from the steering wheel for more than 6 seconds occur, it is necessary to reposition the hands on the steering wheel.

### Changing The System Sensitivity

The system's sensitivity can be set through the radio system in the Driver Assistance menu. Sensitivity "Early" or "Late" can be selected.

### Changing The System Strength

The system's strength can be set through the radio system in the Driver Assistance menu. Strength "Low" or "High" can be selected.

### Limited Operation Warning


If a message appears on the display, a condition limiting the LKA system operation may have occurred. This could be an obstruction of the camera view, or a fault in the system.

If an obstruction is detected, clean the area of the windshield by the interior rearview mirror.

Although the vehicle can still be driven in normal conditions, the system may not function properly.

When the conditions limiting the system are corrected, it will go back to normal operation. Should a fault persist, contact an authorized dealer.

### System Failure Signaling

If the system turns off and  appears on the display, it means that there is a system fault.

In this case, it is still possible to drive the vehicle, but you are advised to contact an authorized dealer as soon as possible.



### CAUTION!

- Projecting loads on the roof of the vehicle may interfere with the correct operation of the camera. Before starting, make sure the load is correctly positioned, in order not to cover the camera operating range.
- If the windshield must be replaced due to scratches, chips or breakage, contact an authorized dealer. Do not replace the windshield on your own; there is risk of malfunction. It is advisable to replace the windshield if it is damaged in the area of the camera.
- Do not tamper with or operate on the camera. Do not close the openings in the aesthetic cover located under the interior rearview mirror. In the event of a failure of the camera, contact an authorized dealer immediately.
- Do not cover the operating range of the camera with stickers or other objects. Also pay attention to other objects on the hood (e.g. a layer of snow) and make sure they do not interfere with the camera.



**CAUTION!**

- The camera may have limited or absent operation due to weather conditions such as: heavy rain, hail, thick fog, heavy snow, or formation of ice layers on the windshield.
- Camera operation may also be compromised by the presence of dust, condensation, dirt or ice on the windshield, traffic conditions (e.g. vehicles that are driving not aligned with yours, vehicle driving in a transverse or opposite way on the same lane, bend with a small radius of curvature), or road surface conditions and driving conditions (e.g. off-road driving). Make sure the windshield is always clean. Use specific detergents and clean cloths to avoid scratching the windshield. The camera operation may also be limited or absent in some driving, traffic and road surface conditions.

## REAR BACK UP CAMERA / DYNAMIC GRIDLINES

The Rear Back Up Camera is located just under the vehicle's trunk lid, above the rear license plate.



Rear Back Up Camera Location

### Camera Activation/Deactivation

The Rear Back Up Camera can be activated and deactivated through the radio system by selecting the "Settings" option on the menu.

Once the Rear Back Up Camera is activated, choose from one of the following options:

- Activate
- Switch-Off Delay
- Camera Guidelines

When the vehicle is in REVERSE, the radio system display will show the area behind the vehicle, as seen by the Rear Back Up Camera, along with a warning message.



### Rear Back Up Camera Display

When enabled in the radio settings, active guidelines are overlaid on the image to illustrate the width of the vehicle and its projected back up path based on the steering wheel position. A dashed center line overlay indicates the center of the vehicle to assist with parking. Different colored zones indicate the distance to the rear of the vehicle. The following table shows the approximate distances for each zone:

Area	Distance From The Rear Of The Vehicle
Red	0–11.8 inches (0–30 cm)
Yellow	11.8 inches to 3.3 feet (30 cm–1 m)
Green	3.3 feet or more (1 m or more)

### Messages On The Display

If the trunk lid is lifted, the camera will not detect any obstacle behind the vehicle. The display will show a dedicated warning message.

Make sure the trunk lid is closed by pushing next to the lock until it clicks.

### Important Notes

- Ice, snow or mud on the surface of the camera may reduce its sensitivity. It is important to keep the camera surface clean, and free from debris.
- When parking, be aware of obstacles that may be above or under the camera range.

**WARNING!**

Drivers must be careful when backing up even when using the Rear Back Up Camera. Always check carefully behind your vehicle, and be sure to check for pedestrians, animals, other vehicles, obstructions, or blind spots before backing up. You are responsible for the safety of your surroundings and must continue to pay attention while backing up. Failure to do so can result in serious injury or death.



### CAUTION!

- ❑ To avoid vehicle damage, Rear Back Up Camera should only be used as a parking aid. The Rear Back Up Camera is unable to view every obstacle or object in your drive path.
- ❑ To avoid vehicle damage, the vehicle must be driven slowly when using the Rear Back Up Camera to be able to stop in time when an obstacle is seen. It is recommended that the driver look frequently over his/her shoulder when using the Rear Back Up Camera.

## REFUELING THE VEHICLE

Before refueling, make sure that the fuel type is correct  
 ↪ page 307.

Also, stop the engine before refueling.



### CAUTION!

Never introduce leaded fuel to the tank, even in small amounts in an emergency, as this would damage the catalytic converter beyond repair.

### NOTE:

An inefficient catalytic converter leads to harmful exhaust emissions, thus contributing to air pollution.

## REFUELING PROCEDURE

The fuel filler door is unlocked when the central door locking system is unlocked. It is automatically locked when the central locking system is applied.

### Opening The Fuel Filler Door

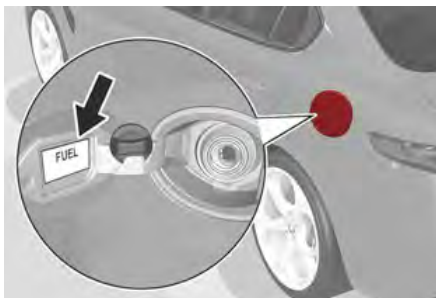
To refuel proceed as follows:

1. Open fuel filler door by pushing on the point shown by the arrow.



Fuel Door

The label indicates the fuel type (UNLEADED FUEL = gasoline).



Fuel Door Label

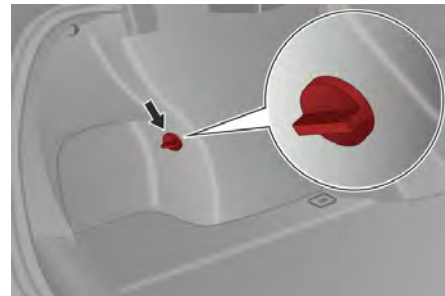
2. Remove the fuel filler cap.
3. Insert the fuel nozzle fully into the filler pipe.
4. When the fuel nozzle “clicks” or shuts off, before removing the nozzle, wait for at least 10 seconds in order for the fuel to flow inside the tank.
5. Remove the fuel filler nozzle, tighten the gas cap about a quarter turn until you hear one click. This is an indication that the cap is properly tightened.

### Emergency Fuel Door Opening

In the event of an emergency, the fuel filler door can be opened from inside the trunk.

Proceed as follows:

1. Open the trunk and locate the emergency fuel filler release cap on the inside lining.



Fuel Door Release Cap

2. Open the cap, and pull the cord (if equipped) inside to unlock the fuel filler door.
3. Open the fuel filler door by pushing on it (see the previous instructions).



**WARNING!**

- Never have any smoking materials lit in or near the vehicle when the fuel door is open or the tank is being filled.
- Never add fuel when the engine is running. This is in violation of most state and federal fire regulations and may cause the MIL to turn on.
- A fire may result if gasoline is pumped into a portable container that is inside of a vehicle. You could be burned. Always place gas containers on the ground while filling.

**CAUTION!**

To avoid fuel spillage and overfilling, do not “top off” the fuel tank after filling.

**NOTE:**

If the filler compartment is washed with a pressure washer, keep it at a distance of at least 8 inches (20 cm).

## VEHICLE LOADING

### CERTIFICATION LABEL

As required by National Highway Traffic Safety Administration regulations, your vehicle has a certification label affixed to the driver's side door or pillar.

This label contains the month and year of manufacture, Gross Vehicle Weight Rating (GVWR), Gross Axle Weight Rating (GAWR) front and rear, and Vehicle Identification

Number (VIN). A Month-Day-Hour (MDH) number is included on this label and indicates the Month, Day and Hour of manufacture. The bar code that appears on the bottom of the label is your VIN.

### Gross Vehicle Weight Rating (GVWR)

The GVWR is the total permissible weight of your vehicle including driver, passengers, vehicle, options and cargo. The label also specifies maximum capacities of front and rear axle systems (GAWR). Total load must be limited so GVWR and front and rear GAWR are not exceeded.

### Payload

The payload of a vehicle is defined as the allowable load weight a truck can carry, including the weight of the driver, all passengers, options and cargo.

### Gross Axle Weight Rating (GAWR)

The GAWR is the maximum permissible load on the front and rear axles. The load must be distributed in the cargo area so that the GAWR of each axle is not exceeded.

Each axle GAWR is determined by the components in the system with the lowest load carrying capacity (axle, springs, tires or wheels). Heavier axles, or suspension components sometimes specified by purchasers for increased durability, do not necessarily increase the vehicle's GVWR.

### Tire Size

The tire size on the Vehicle Certification Label represents the actual tire size on your vehicle. Replacement tires must be equal to the load capacity of this tire size.

### Rim Size

This is the rim size that is appropriate for the tire size listed.

## Inflation Pressure

This is the cold tire inflation pressure for your vehicle for all loading conditions up to full GAWR.

## Curb Weight

The curb weight of a vehicle is defined as the total weight of the vehicle with all fluids, including vehicle fuel, at full capacity conditions, and with no occupants or cargo loaded into the vehicle. The front and rear curb weight values are determined by weighing your vehicle on a commercial scale before any occupants or cargo are added.

## Loading

The actual total weight and the weight of the front and rear of your vehicle at the ground can best be determined by weighing it when it is loaded and ready for operation.

The entire vehicle should first be weighed on a commercial scale to ensure that the GVWR has not been exceeded. The weight on the front and rear of the vehicle should then be determined separately to be sure that the load is properly distributed over the front and rear axle. Weighing the vehicle may show that the GAWR of either the front or rear axles has been exceeded but the total load is within the specified GVWR. If so, weight must be shifted from front to rear or rear to front as appropriate until the specified weight limitations are met. Store the heavier items down low and be sure that the weight is distributed equally. Stow all loose items securely before driving.

Improper weight distributions can have an adverse effect on the way your vehicle steers and handles and the way the brakes operate.





## WARNING!

Do not load your vehicle any heavier than the GVWR or the maximum front and rear GAWR. If you do, parts on your vehicle can break, or it can change the way your vehicle handles. This could cause you to lose control. Overloading can shorten the life of your vehicle.

## TRAILER TOWING


Trailer towing is not recommended for this vehicle.

## SUGGESTIONS FOR DRIVING

### SAVING FUEL

The following are some suggestions which may help you save fuel and lower the amount of harmful emissions released into the atmosphere.

#### Vehicle Maintenance

Checks and operations should be carried out in accordance with the Maintenance Plan  page 256.

#### Tires

Check the tire pressures at least once every four weeks: if the pressure is too low, consumption levels increase as resistance to rolling is higher.

#### Unnecessary Loads

Do not travel with an overloaded trunk. The weight of the vehicle and its arrangement greatly affect fuel consumption and stability.

#### Electric Devices

Use electrical systems only for the amount of time needed. The rear window defroster, additional headlights, windshield wipers and heater blower fan require a considerable amount of energy; increasing the current uptake increases fuel consumption (by up to +25% when city driving).

#### Climate Control System

Using the climate control system will increase consumption: use standard ventilation when the temperature outside permits.

#### Devices for Aerodynamic Control

The use of non-certified devices for aerodynamic control may adversely affect air drag and consumption levels.

## DRIVING STYLE

#### Starting

Do not warm up the engine at low or high revs when the vehicle is stationary; this causes the engine to warm up more slowly, thereby increasing fuel consumption and emissions. It is therefore advisable to drive off immediately, slowly, avoiding high speeds: by doing this the engine will warm up more quickly.

#### Unnecessary Actions

Avoid revving up when starting at traffic lights or before stopping the engine. This action is unnecessary and causes increased fuel consumption and pollution.

#### Gear Selection

Use a high gear when traffic and road conditions allow it. Using a low gear for faster acceleration will increase fuel consumption. Improper use of a high gear increases consumption, emissions and engine wear.

#### Maximum Speed

Fuel consumption considerably increases as speed increases. Maintain a constant speed, avoiding unnecessary braking and acceleration, which cost in terms of both fuel consumption and emissions.

#### Acceleration

Accelerating violently affects consumption and emissions: acceleration should be gradual and should not exceed the maximum torque.

## CONDITIONS OF USE

#### Cold Starting

Short trips and frequent cold starts will not allow the engine to reach optimum operating temperature. This results in a significant increase in consumption levels (from +15 to +30% in city driving) and emissions.

#### Traffic And Road Conditions

High fuel consumption is caused by heavy traffic, for instance when traveling in traffic with frequent use of low gears or in cities with many traffic lights. Winding mountain roads and rough road surfaces also adversely affect consumption.

#### Stops In Traffic

During prolonged stops (e.g. railway crossings), turn off the engine.



## TRANSPORTING PASSENGERS



### WARNING!

- It is extremely dangerous to leave children in a parked vehicle when the temperature outside is very high. The heat inside the passenger compartment may have serious, or even fatal, consequences.
- Never travel in the trunk of the vehicle. In the event of an accident, anyone inside the trunk would be at greater risk of serious or even fatal injury.
- Ensure that all the occupants of the vehicle wear their seat belts correctly and that any children are positioned correctly on the dedicated child restraint systems.

## TRANSPORTING ANIMALS

The intervention of the airbags may be dangerous for an animal on the front seat. It is therefore advised to arrange animals on the rear seat inside dedicated cages restrained by the vehicle's seat belts.

Keep in mind that, in the event of a sudden braking or an accident, an inadequately restrained animal may be projected within the passenger compartment, risking injury to the animal itself and the other occupants of the vehicle.

## EXHAUST GAS

Exhaust emissions are very dangerous, and may be lethal. They contain carbon monoxide, a colorless, odorless gas which can cause fainting and poisoning if inhaled.

To avoid inhaling carbon monoxide, take the following measures:

- Do not keep the engine running in closed spaces.
- If, for some reason (e.g. transporting bulky loads), it is necessary to drive with the trunk open, close all the windows and run the climate control fan at maximum speed. DO NOT activate air recirculation mode.
- Should it be necessary to stay in the stationary vehicle with engine running, adjust the ventilation/heating system and operate the fan in such a way that outside air will enter the passenger compartment. Activate the maximum fan speed.

Maintenance of the exhaust system provides the best protection against leaks of carbon monoxide into the passenger compartment.

Should an unusual noise from the exhaust system or the presence of exhaust gas in the passenger compartment be identified, or if the underbody or rear section of the vehicle is damaged, have the entire exhaust system and bodywork areas checked to identify any components which are broken, damaged, worn or have moved from their correct fitting position. If any of these things occur, contact an authorized dealer.

Open welding or loose connections may permit exhaust gas to enter the passenger compartment.

Check the exhaust system each time the vehicle is raised for lubrication or oil change operations. Replace the components if necessary, contact an authorized dealer.

## PERFORMANCE — QUADRIFOGLIO

This vehicle is equipped with an engine capable of delivering exceptionally fast acceleration and speed:

- Peak power: 505 HP at 6500 RPM.
- Peak torque: 443 ft-lb at 2500–5000 RPM.
- Top speed: 191 mph (307 km/h).
- Acceleration from 0 to 60 mph (0 to 100 km/h): 3.8 seconds.

For safe driving, it is essential, particularly during the first days of use, to get to know the car by driving carefully and gradually discovering its performance.

### Driving On Race Tracks

Before driving on a track using a racing style, it is necessary to:

- Attend a race track driving course.
- Check all fluid levels in the engine compartment.
- Have the car inspected at an authorized dealer.

Remember that the car was not designed to be driven exclusively on the race track and that this use increases stress and component wear.

### NOTE:

Quadrifoglio front brakes are equipped with NAO type pads (Non-Asbestos Organic). These pads are NOT suitable for high thermal loads (for example track use).

# INTRODUCTION

## INTRODUCTION

This vehicle is equipped with the Information and Entertainment System designed to the specific features of the passenger compartment. It has a customized design, which matches the style of the dashboard and the center console.

The radio system is installed to give the driver and passenger easy access. The controls can be quickly located from the graphical display on the front, making the device easy to use.

To increase protection against theft, the system has a protection system, which only allows it to be used on its originally fitted vehicle.

We recommend you read these instructions carefully and always keep them on hand (for example, in the glove compartment).

## TIPS, CONTROLS AND GENERAL INFORMATION

### CYBERSECURITY

Your vehicle may be a connected vehicle and may be equipped with both wired and wireless networks. These networks allow your vehicle to send and receive information. This information allows systems and features in your vehicle to function properly.

Your vehicle may be equipped with certain security features to reduce the risk of unauthorized and unlawful access to vehicle systems and wireless communications. Vehicle software technology continues to evolve over time and FCA US LLC, working with its suppliers, evaluates and takes appropriate steps as needed. Similar to a computer or other devices, your vehicle may require software updates to

improve the usability and performance of your systems or to reduce the potential risk of unauthorized and unlawful access to your vehicle systems.

The risk of unauthorized and unlawful access to your vehicle systems may still exist, even if the most recent version of vehicle software (such as Information and Entertainment System software) is installed.



### WARNING!

- It is not possible to know or to predict all of the possible outcomes if your vehicle's systems are breached. It may be possible that vehicle systems, including safety related systems, could be impaired or a loss of vehicle control could occur that may result in an accident involving serious injury or death.
- ONLY insert trusted devices/components into your vehicle if it came from a trusted source. Media of unknown origin could possibly contain malicious software, and if installed in your vehicle, it may increase the possibility for vehicle systems to be breached.
- As always, if you experience unusual vehicle behavior, take your vehicle to an authorized dealer immediately.

Privacy of any wireless and wired communications cannot be assured. Third parties may unlawfully intercept information and private communications without your consent.

### TIPS

#### Road safety

Please read and follow these road safety precautions. Failure to do so may result in injury or property damage.

- Become familiar with the Information and Entertainment System features and applications in this vehicle before you drive on the roadway, so using the system will be more intuitive and will not require prolonged viewing of the screen while you are driving.
- When driving, looking at the touchscreen should only be done by glance when safe to do so. If prolonged viewing of the screen is required, choose a safe and secure location where you can pull over and park safely to do so.
- Stop immediately if a problem occurs. Failure to do so may cause injury or damage. Return to an authorized dealership for repair.
- Ensure the volume level of the system is set to a level that allows you to hear outside traffic and emergency vehicles.



### WARNING!

ALWAYS obey traffic laws and pay attention to the road. Your complete attention is always required while driving to maintain safe control of your vehicle. Only use and interact with the features and applications when it is safe to do so. Failure to follow these warnings can result in a collision and death or serious personal injury.

### Reception conditions

Reception conditions change constantly while driving. The presence of mountains, buildings or bridges, especially when you are far away from the broadcaster, may interfere with the radio reception.

### NOTE:

The volume may be adjusted when receiving traffic information and news.



**Care and maintenance**

Observe the following precautions to ensure the system is fully operational:

**CAUTION!**

- Only clean the front panel and the display with a soft, clean, dry, anti-static cloth. Cleaning and polishing products may damage the surface. Do not use alcohol or similar products to clean the panel or the display.
  - Do not use the display as a base for supports with suction pads or adhesives for external navigators or smartphones or similar devices.
- 
- The display lens should not come into contact with pointed or rigid objects which could damage its surface; use a soft, dry anti-static cloth to clean and do not press.
  - Never use alcohol, gas, or derivatives to clean the display lens.
  - Prevent any liquid from entering the system as this could damage it beyond repair.

**Important notes**

In the event of a fault, the system must only be serviced by an authorized dealer.

If the temperature is particularly low, the display may take a short amount of time to reach optimum brightness.

In case of overheating (e.g. excessive outside temperature, prolonged exposure to sunlight, etc.), the system may switch to "protection mode" by limiting amplification (maximum volume) and shutting down until the temperature of the radio drops to acceptable levels.

**MULTIMEDIA DEVICES: SUPPORTED AUDIO FILES AND FORMATS**

For USB sources, the system can play files with the following extensions and formats:

- .MP3 (Bitrate 32 – 320 kbps, Frequency 8 – 48 kHz)
- .WAV
- .AAC (Frequency 8 – 96 kHz)
- Supported extensions: .ACC .M4A, .M4B, and .MP4,
- .WMA (Bitrate 8 – 320 kbps; 8 – 48 kHz)
- .FLAC (8 – 44.1 kHz)

For all USB sources, the system can also play the following Playlist formats:

- .PLS
- .WPL
- .M3U

For Apple® devices and those that support the MTP (Media Transfer Protocol), the system can play back all files, playlist extensions and formats supported by the device itself and presented by the device to the system.

**NOTE:**

- It makes no difference whether the suffixes are written in capital or small letters.
- It is recommended to load only unprotected music files, with supported extensions.

**NOTES ON TRADEMARKS**

iTunes® and iPhone® are registered trademarks of Apple® Inc.

All other trademarks are the property of their respective owners.

Apple® is not responsible for the operation of this device and of its conformity with the safety rules and standards.

**EXTERNAL AUDIO SOURCES**

Other electronic devices (e.g. PDA, etc.) can be used on the vehicle.

Some of them may cause electromagnetic interference. If system performance worsens, disconnect these devices.

**NOTE:**

- The system supports USB formatted as FAT32, FAT16, ExFat, NTFS, HFS+, UDF, ISO9660. The system does not support devices with capacity greater than 64 GB. The maximum number of tracks, which can be indexed for each single MSD/MTP device, is 16,000.
- The system does not support USB hubs connected to the USB port of the vehicle. Connect your multimedia device directly to the USB port, using the specific connection cable for the device if necessary.
- It is recommended to load only unprotected music files, with supported extensions.

**ANTI-THEFT PROTECTION**

The system is equipped with an anti-theft protection system based on the exchange of information with the electronic control unit (Body Computer) on the vehicle.

This guarantees maximum safety and prevents the system from being used on other vehicles if it is stolen. If necessary, contact an authorized dealer.

**SOFTWARE UPDATES**

As soon as the updated software for the Information and Entertainment System is available, you can contact an authorized dealer to perform the update.

**MAP UPDATE**

To update the maps, contact an authorized dealer.

## AUDIO SYSTEM

### Basic Level Audio System

The standard audio system is equipped with eight speakers and it is able to develop a sound power level of 100 W.

The basic system consists of:

- Four Woofers (Two on front doors and Two on rear doors) of 16 cm (160 mm) in diameter
- Four Tweeters (Two on front doors and Two on rear doors) of 4 cm (40 mm) in diameter



M1001000430US

Basic Level Audio System Layout

### Premium Audio System — If Equipped

The mid-level audio system is equipped with 10 speakers and a 400 W amplifier.

The system consists of:

- Four Woofers (Two on front doors and Two on rear doors) of 16 cm (160 mm) in diameter
- Four Tweeters (Two on front doors and Two on rear door) of 4 cm (40 mm) in diameter
- One Midrange speaker (on dashboard) of 9 cm (90 mm) in diameter

- One Eight-channel Amplifier in the luggage compartment
- One Subwoofer of 15x23 cm (150x230 mm) on the parcel shelf



M1001000431US

Sound Theater System Layout

### Harman Kardon Premium Audio System — If Equipped

The high audio system is equipped with 14 speakers and a 900 W amplifier.

The system consists of:

- Four Tweeters (two on the front doors and two the rear doors) of 4 cm (40 mm) in diameter
- Four Woofers (two on front doors and two on rear doors) of 16 cm (160 mm) in diameter
- Five Midrange speakers (Two on front doors, One on dashboard and Two on parcel shelf) of 8 cm (80 mm) in diameter
- One Twelve-channel Amplifier in the luggage compartment
- One Subwoofer of 18x27 cm (180x270 mm) on the parcel shelf



M1001000432US

Harman Kardon Premium Audio System Layout

## GPS (GLOBAL POSITIONING SYSTEM) RECEPTION

The GPS is a satellite system, which provides worldwide information about time and position. The GPS is exclusively controlled by the government of the United States of America, the only body responsible for the availability and accuracy of this system.

The operation of this navigation system can be influenced by any change made to the availability and precision of the GPS or by specific environmental conditions.

When navigation is started for the first time, the system may require several minutes to determine the GPS position and display the current position on the map. Afterwards, the position will be found quicker (usually a few seconds are needed).

The presence of big buildings (or similar obstacles) may interfere with the GPS signal reception.



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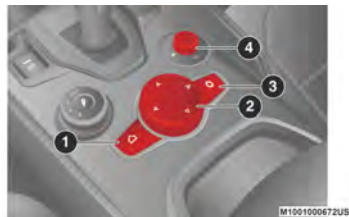
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## CONTROLS

### CONTROLS ON CONSOLE



- 1 – Home/Menu Button
- 2 – Rotary Pad
- 3 – Settings Button
- 4 – ON/OFF Control And Volume Knob

## CONTROL SUMMARY TABLE

### Home/Menu button (1)

Press the Home/Menu button  to access the Main Menu.


### Rotary Pad (2)

Action	Function
ROTATION	<b>In the Menu:</b> Scrolls through the menu items. <b>In Navigation Mode (if equipped):</b> Zooms in/out of the map.
SHORT PUSH	<b>In the Menu:</b> Opens the option for the highlighted selection, or selects that item.
LONG PUSH	<b>Radio Mode:</b> Stores radio station on the radio station bar/stores a favorite on the radio preset bar.
QUICK MOVEMENT TO THE RIGHT*	<b>In the Menu:</b> Opens the options for the highlighted selection, or selects that item. <b>In Navigation Mode (if equipped), in Point on Map:</b> Moves to the right on the map.
QUICK MOVEMENT TO THE LEFT*	<b>In the Menu:</b> Goes back to the previous menu ("Esc" function). <b>In Navigation Mode (if equipped), in Point on Map:</b> Moves to the left on the map.

Action	Function
QUICK FORWARD MOVEMENT*	<b>In the Menus:</b> Closes the Multitasking Menu. <b>In Navigation Mode (if equipped), in Point on Map:</b> Moves forward on the map.
QUICK REARWARD MOVEMENT*	<b>In the Menus:</b> Opens and closes the Multitasking Menu. <b>In Navigation Mode (if equipped), in Point on Map:</b> Moves rearward on the map.

(\*) The Rotary Pad must be pushed from the side in the indicated direction.

### SETTINGS Button (3)

Pushing the SETTINGS button  while within the modes "RADIO", "MEDIA", "PHONE", or "NAVIGATION" will open the Settings screen of that particular mode. Push it again to go back to the previously selected mode. Pressing the Settings button while within the Home Page will open the Rotary Control of Screen Off, Display Brightness, Widget Reorder, Widget Resize, and Widget Content.

### ON/OFF Control And Volume Knob (4)

Action	Function
LONG PRESS	Turns the radio system on and off.
ROTATION	Rotate clockwise to increase the volume. Rotate counterclockwise to decrease the volume.
SHORT PRESS	<b>Radio Mode:</b> Activate/deactivate the Mute function. <b>Media Mode:</b> Activate/deactivate Play/Pause. <b>Phone Mode:</b> Activate/deactivate the microphone during a phone call.
MOVE TO THE SIDE	<b>Radio Mode:</b> Move to the right to select next radio station. Move to the left to select previous station (radio station search can be done by "Frequency"/"Name"/"Favorites"). <b>Media Mode:</b> Short press on the right: select next track; short press on the left select previous track. <b>Long Press To The Right:</b> Go to next track. <b>Long Press To The Left:</b> Go to previous track.

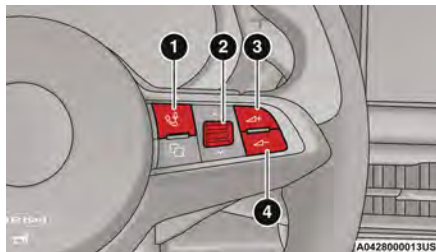


## CONTROLS ON STEERING WHEEL

### DESCRIPTION

The controls for the main system functions are present on the steering wheel to make control easier.

Each function selected is controlled, in some cases, by the length of the push (short or long push). The function is described in the table:



- 1 – Phone Button
- 2 – Seek Forward And Seek Back Button
- 3 – Volume Increase
- 4 – Volume Decrease

### STEERING WHEEL CONTROL SUMMARY TABLE

#### ▶▶ Button(1)

Action	Function
SHORT PUSH	<b>In Radio Mode:</b> Selects the next radio station. <b>In Media mode:</b> Selects the next track.
LONG PUSH	<b>In Radio Mode:</b> Scans higher frequencies until released for AM and FM only, not SiriusXM® Satellite Radio. <b>In Media Mode:</b> Fast forwards the track.

#### ◀◀ Button(2)

Action	Function
SHORT PRESS	<b>In Radio Mode:</b> Selects the previous radio station. <b>In Media Mode:</b> Selects the previous track.
LONG PRESS	<b>In Radio Mode:</b> Scans lower frequencies until released for AM and FM only, not SiriusXM® Satellite Radio. <b>In Media Mode:</b> Quickly rewinds the track.



### Voice Command Button (3)

Action	Function
SHORT PRESS	<b>With a voice session not active:</b> Activates Voice Recognition. <b>With a voice session active:</b> Immediately closes voice sessions in progress.
LONG PRESS	<b>With a voice session active:</b> Interrupts the voice session in progress (a new voice command can be stated). <b>With a voice session not active and external audio device connected (Apple CarPlay®/Android Auto™):</b> Activates the voice session for a connected device.

### NOTE:

If Apple CarPlay® and Android Auto™ apps are present, Siri voice assistant (for Apple CarPlay®) or Google Assistant (for Android Auto™) will be activated. In this case, you can use "Natural Language" voice controls and not just the specific ones preset for the Connect system. Siri or Google Assistant will only be activated by holding the button on the right side of the steering wheel.

### Phone Button (4)

Answers/ends call or shows the recent calls list.

### Volume Control (5)





Action	Function
SWITCH	<b>Upwards:</b> Increases volume. <b>Downwards:</b> Decreases volume.
SHORT PRESS	<b>In Radio Mode:</b> Activates/deactivates the Mute function. <b>In Media Mode:</b> Activates/deactivates the Mute function.





## TOUCHSCREEN FUNCTION

The radio system is also equipped with touchscreen functionality. In addition to selecting menus and features using the buttons on the steering wheel or the rotary pad, it is possible to interact with the various functions/modes by pressing the icons shown on the display.

### ACTIONS THAT CAN BE PERFORMED USING THE TOUCHSCREEN FUNCTION

Function	Action on the Display
SCROLL UP	
SCROLL DOWN	
MOVE LEFT	
MOVE RIGHT	

Function	Action on the Display
SHORT PRESS	
LONG PRESS	

## WIDGET

### WIDGET INTERACTION MODES

Using the touchscreen or rotary pad, you can interact with the widgets on the Main menu.

If you use the rotary pad, the selected widget will be automatically highlighted on the display.

One of the following operations can be performed:

- Open** the widget by pressing it on the touchscreen or by pushing the Rotary Pad
- Scroll** through the widgets using the touchscreen or by turning the Rotary Pad



1 – Widgets



Most widgets contain a graphic button, which allows direct access to the main functions related to the selected mode.

These graphic buttons are available on the touchscreen only. The functions performed by these graphic buttons can still be activated using the steering wheel controls (e.g. for the Play/Pause functions).


You can:

- Change the display of the widgets.
- Change the size of the widgets.
- Scroll vertically to view the widget content.

## MOVING WIDGETS

There are two different methods for customizing the widgets: using the touchscreen or using the rotary pad.


### Using The Touchscreen

Select the desired widget or press the Reorder button  in the status bar:

- Moving the widget:** Hold the desired widget and then move it right or left of the display.
- Resizing the widget:** Press the desired widget and then resize it.
- View widget content:** Select the desired widget and then scroll vertically.



### Using The Commands Located On The Rotary Pad


1. Press the Settings button  on the center stack.
2. Turn the Rotary pad to select the setting.
3. Push the Rotary Pad to confirm the selection and then select one of the following items:
  - **Widget Reorder:** Move the desired widget to the right or left of the display.
  - **Widget Resize:** Change the size of the widget display to "1/3 view" or "2/3 view" of the display area.
  - **Widget Content:** View the content of the desired widget.





## RESIZING WIDGETS

The widgets can occupy 1/3 or 2/3 of the display area.

### NOTE:

Not all widgets have an Enlarge Graphic button. If the  button is not present, it will not be possible to activate "2/3 view" of the widget.

### Using The Touchscreen


- 1/3 View:** Icons, menu name, main information, and graphic buttons (up to 3) appear on the display.
- 2/3 View:** To enlarge the widget, press the Enlarge  button located on the top of the widget. When this type of touchscreen is active, additional information is shown on the touchscreen with respect to the "1/3 view" (e.g. the Navigation mode widget will display the enlarged navigation map while the Radio mode widget will display the Source graphic button). To return from the "1/3 view", press the  button. Up to four graphic buttons will also be displayed.



### Using The Commands Located On The Rotary Pad

Activate the Settings menu and then select the item "Widget Resize".

Only resizable widgets will be activated (these will appear on the display with a different color from those that cannot be resized and therefore cannot be selected).

Push the Rotary Pad to resize the widget and switch to "2/3 view". All the widgets will be enlarged towards the right side of the touchscreen. Press the button  on the display to return to the normal view.






#### NOTE:

It is not possible to keep two widgets in "2/3 view" mode on the touchscreen at the same time.

It is possible, at any time, to use the touchscreen to interact with the widgets. Messages will appear on the touchscreen indicating how to proceed.

Press the button  on the touchscreen or the same button on the center stack to show the Main menu on the touchscreen.

Pressing the < button on the touchscreen or moving the Rotary Pad to the left will show the Settings menu on the touchscreen.

## VIEWING WIDGET CONTENTS

### Using The Touchscreen Function

To change the widget view, select it and scroll up or down.

Depending on the selected widget, more than one page may be displayed.

#### NOTE:

Not all widgets have multiple pages. The display will show which widgets allow you to scroll between pages.



### Using The Commands Located On The Rotary Pad

Enter the Settings menu, and then select the "Widget Content". Only the widgets containing contents will be selectable on the display.

- Turn the Rotary Pad to select the desired widget.
- Push the Rotary Pad to confirm the selection.
- Turn the Rotary Pad to display the contents of the widget.
- Push the Rotary Pad to keep the display active and exit the widget.



Touchscreen mode can be used at any time to interact with the widget. Scroll up or down to display the content.

## REORDER THE WIDGETS

The widgets can be reordered on the Main menu in two different ways:


- Explicit:** Press the Reorder graphic button located on the upper left of the display.
- Implicit:** Press and hold down the desired widget.

In both modes, the size of the widgets will be reduced and displayed, up to a maximum of five, on the display.



### Using The Touchscreen


#### "Explicit" Mode

- Press the  button located in the upper left part of the display. The first widget will be displayed.
- Press and hold down the desired widget and drag it to the desired position.
- Release the widget. The new position of the widget will be stored by the system.



#### "Implicit" Mode

- Hold the desired widget pressed. The widgets will be reduced and displayed, up to a maximum of five, on the display. The selected widget will remain displayed and will be larger in size.
- Press and hold down the desired widget and drag it to the desired position.
- Release the widget. The new position of the widget will be stored by the system.

In both cases, you can scroll right/left through the various widgets (the display will show the last widget selected). To return to the Main menu, press the  or < button.

#### Using The Commands Located On The Rotary Pad


Activate the Settings menu and then select "Widget Reorder". The first widget will be displayed automatically.

The widgets will appear small and will be displayed, up to a maximum of five, on the display.

The last widget will appear shaded, indicating that the list of widgets continues if you turn the Rotary Pad right or an indicator will be present on the bottom of the screen.

Proceed as follows to reorder the widgets:

- Turn the Rotary Pad and select the desired widget. The widget will be highlighted on the display.
- Push the Rotary Pad and an arrow will appear next to the widget, indicating the direction in which you can move the widget.
- Turn the Rotary Pad to move the widget to the desired position.
- Push the Rotary Pad to store the new widget location (the widget will continue to be highlighted on the display).

To go back to the Main menu, turn the Rotary Pad to the left or press the Main menu  button in the center stack.

## MENU STRUCTURE

The menus for the various modes ("RADIO", "MEDIA", "PHONE", etc.) are divided into:

- Main Menu** (1st level menu)
- Active Screen** relative to the selected mode (2nd level menu)
- List Display** (3rd level menu)

Each screen can contain several submenus (3rd level, 4th level, etc.).

#### NOTE:

Lists may already be present on some 2nd level menu screens.






## MAIN MENU

The Main menu consists of a list of widgets, which can be selected using the Rotary Pad or by using the touchscreen.

Some widgets occupy 1/3 of the main display area while other widgets may occupy 2/3 of the main display area.

### Accessing The Main Menu

You can access the Main menu in the following ways:

- Press the Menu  button located in the center stack.
- Move the Rotary Pad left.
- Pressing the  button on the display.
- Pressing the button  on the display when in another menu (i.e. MEDIA).



### Indications On The Display

The following information is shown on the Main menu display:

1. **Status Bar:** Displays information, such as time, telephone network signal strength, and external temperatures. The units of measurement related to time and external temperature depend on the selections in the Settings menu.

2. **Graphic Buttons:** Can be used to interact with some functions related to the selected mode.
3. **Temperature Inside Passenger Compartment:** Set by the climate control system.
4. **Reorder Graphic Button** (inside status bar): Pressing this button shrinks the widgets, so they can be moved on the display (the display shows up to a maximum of five widgets at a time).
5. **Enlarge Graphic Button:** Press this button to enlarge a widget (display to "2/3 view" on the touchscreen).



Each mode (Radio, Phone, Media, Navigation, etc.) has a dedicated widget.



The widgets related to the connectivity functions of external devices (Apple CarPlay® or Android Auto™) and Apps can be added later. When an Apple CarPlay® or Android Auto™ app is activated, the widget will appear on the display.

The viewing order of the widgets on the display is originally set by the manufacturer.


However, their order can be changed at any time.


## ACTIVE SCREEN

The following information is displayed on the active screen:

1. **Status Bar:** Displays buttons  and  buttons and other additional information, variable depending on the selected mode.
2. **Menu Bar** (with a fixed number of functions): By turning the Rotary Pad and selecting one of the present functions, the item will be highlighted on the display, and the following screen will appear for a few seconds.
3. **Content Display Area:** The commands relating to the active mode are shown in the center of the display (e.g. radio station/music track being played/navigation map/phone information, etc.). Some of the controls on the display are only active via the touchscreen function.

### NOTE:

The function performed by the  button can also be performed by pressing the same button on the center stack.

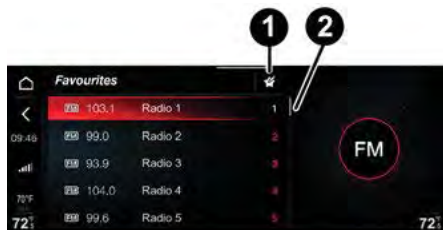
Push the  button or turn the Rotary Pad left to go back to the previously active menu.



## Action Buttons

The Action buttons may appear in the screens shown on the display and highlight when pressed. Descriptive text for each action will also be displayed next to each button for a few seconds.

Select the items on the display using the Rotary Pad to highlight the first item in the list. Turn the Rotary Pad clockwise or counterclockwise to select the desired item.



- 1 – Action Button
- 2 – Item List

## “Scrolling” Sidebar

If there is more than one item in the list, a “scrolling” sidebar will appear on the display. It can be used to scroll through the various items.

## “A-Z” Search

The function will activate when a rapid movement is made on the display using the touchscreen function or when the Rotary Pad is turned quickly.

A menu will appear on the display containing the letters of the currently selected item.

When the rapid movement ends, the “A-Z” search will continue from the previously selected letter.



### NOTE:

- The function is only available for lists containing more than 200 items. If there are fewer than 200 items, scroll up/down using the touchscreen or turn the Rotary Pad up/ down.
- The function is only available for lists containing items in “A-Z” alphabetical order.

## Reorder The Items In A List

This function is only available in the “RADIO”, “PHONE”, and “NAVIGATION” modes.

This function can be used with either the touchscreen controls or controls in the center stack.

### Using The Touchscreen

- Select the desired item on the display
- Press and hold to move up/down until you reach the new position in the list
- Release the item once the new position is reached; it will be stored by the system

## Using The Commands on The Rotary Pad

- Turn the Rotary Pad to select the desired item
- Push on the Rotary Pad to confirm the selection
- Turn the Rotary Pad to move the item to the new position in the list
- Push on the Rotary Pad to confirm and store the new position

## Information Screens

Information screens are shown to alert the driver of available actions on a screen (e.g. the Settings or Bluetooth® menu).

Use the touchscreen or use the controls located on the Rotary Pad to operate the available options.

If there is more than one item in the list, a “scrolling” sidebar will appear on the display.

## MULTITASKING MENU

The following information is displayed on the status bar for the Multitasking menu:

- Button for the Settings menu.
- Seven graphic buttons.

The Multitasking menu can be used to:

- Access the Settings menu.
- Quickly access the stored radio station favorites, contacts, or navigation destinations.
- Add graphic buttons for quick access.





## Displaying The Multitasking Menu Status Bar



### Activation

- Using The Touchscreen:** Press the upper part of the display and slide your finger downwards.
- Using The Rotary Pad:** Move the Rotary Pad downwards.



1 –Rotary Pad

### Deactivation


- Using The Touchscreen:** Scroll up, or press on the display outside of the Multitasking menu.
- Using The Rotary Pad:** Move the Rotary Pad up/left, press the MENU  button (this will return to the main screen), or press the SETTINGS button  (this will activate the Settings menu).
- Wait a few seconds:** The status bar will automatically disappear.
- Activate the Settings menu or select one of the items on the status bar.**

## Status Bar Display Interruption

The status bar display is interrupted in the following cases:

- When a new menu with a warning message is displayed.
- When the rearview camera is activated.

## Settings Menu

Pressing the Settings  button activates a menu to make the following adjustments: "Screen off" and "Display brightness".

### NOTE:

The items on the display vary according to the active menu.

## Adding A New Item ("Add")

Pressing the Add button on the display activates a menu to make the following adjustments:

- Radio Station:** Save a new radio station.
- Destination:** Save a destination.
- Phone Number:** Save a phone number.
- Connected Services:** Save a Connected Service feature.

### Radio Station

- Select "Radio Station"
- A menu will appear on the display. Three options are available:
  - **Current Station:** This option closes the menu view and adds the desired radio station. The item will appear in gray if the desired radio station is not found.
  - **Favorites:** This option activates the Favorites menu, where you can select a saved radio station. After selecting the radio station, the menu will disappear from the display, and the radio station will be added to the status bar.
  - **Stations List:** This option activates the Stations List menu where you can select the desired radio station. After selecting the radio station, the menu will disappear from the display, and the radio station will be added to the status bar.



## Destination

- Select "Destination".
- A menu will appear on the display. Three options are available:
  - **Current Destination:** This option closes the menu view and adds the desired destination. The item will appear in gray if the desired destination is not found.
  - **Favorites:** This option activates the Favorites menu for destinations. After selecting the destination, the menu will disappear from the display, and the destination will be added to the status bar.
  - **Recent Destinations:** This option displays the Recent Destinations List menu, where you can select the desired destination. After selecting the destination, the menu will disappear from the display and the destination will be added to the status bar.

## Phone Number

- Select "Phone Number".
- A menu will appear on the display. Three options are available:
  - **Recent Calls:** This option displays the most recent calls made. You can select the desired phone number from the list. After the selection, the list will disappear from the display, and the contact will be added to the status bar.
  - **Favorites:** This option displays the "Favorites" list of telephone contacts. You can select the desired phone number from the list. After the selection, the list will disappear from the display, and the contacts will be added to the status bar.
  - **Contacts:** This option displays the "Contacts" list on the display. You can select the desired phone number from this list. After the selection, the list will disappear from the display, and the contacts will be added to the status bar. If there is more than one phone number for the contact in the phone book, all respective numbers will appear on the display.

## Connected Services

- Select "Connected Services".
- A menu will appear on the display. Three options are available:
  - **SOS Call:** This option displays the SOS Call feature. By pressing it, an SOS Call will begin.
  - **Assist Call:** This option displays the Assist Call feature. By pressing it, an Assist Call will begin.
  - **Wi-Fi Hotspot:** This option displays the Wi-Fi Hotspot function. By selecting it, you can turn the Wi-Fi Hotspot on and off.

## Selecting A Prestored Item

You can select the following from the status bar (using the touchscreen or by pushing the Rotary Pad):

- Radio Stations:** This activates the desired radio station.
- Destination:** This activates navigation to the desired destination; the Navigation screen will appear on the display.
- Number:** This will call the selected contact; a dedicated icon will appear on the screen.

## Editing A Stored Entry

- Using The Touchscreen Function:** Long press the desired item on the display.
- Using The Rotary Pad:** Turn the Rotary Pad, and select the required item. Then, long push the Rotary Pad.

A screen with three options will appear:

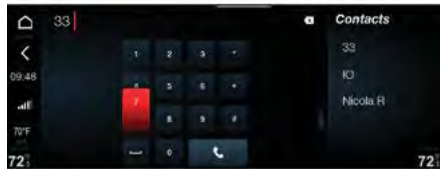
- Delete:** Remove the item.
- Rename:** Rename the item.
- Replace:** Overwrite the item.

## GRAPHIC KEYBOARD

Using the graphic keyboard, it is possible to search for names in the phone book, enter a phone number, or enter the navigation coordinates.

### NOTE:

The graphic keypad may vary ("2/3 view" display of the touchscreen or "full screen" display).



## Using The Graphic Keyboard

### Using The Touchscreen

Press the letters or numbers on the keyboard to select them.

To return to the full screen keyboard display, press the button in the lower left-hand side of the screen.



1 — Full Screen Keyboard Button

### Using the Rotary Pad

Push the Rotary Pad. The graphic keyboard will display. Turn the Rotary Pad to select the desired letters.

Select one of the contacts to show all the information related to that contact.

## Special Characters

See the following for how to view special characters on the graphic keyboard:

### Using The Touchscreen

- Long press the desired letter (e.g. letter "A"). All the special characters related to that letter will appear.
- Press the special character to select it. The special characters will disappear from the display (the special character selected will be shown at the top of the display).



### Using The Rotary Pad

- Turn the Rotary pad and select the desired letter.
- Long push the Rotary Pad to confirm selection.
- Turn the Rotary pad to select the desired special character.
- Push the Rotary Pad to confirm the selection. The special characters will disappear from the display. The selected special character will display at the top of the screen.

## Search Results

### Using The Touchscreen

Use the graphic keyboard to search for a contact. The name will appear on the right side of the display.



When typing a letter on the graphic keyboard, the search results containing that letter will display.

The screen relating to the contact can be activated by pressing "OK" on the display or by moving the screen to the left.

The display may be completely closed by moving the screen to the right; the graphic keyboard will appear again on the display.

To delete a character, press the Back button on the display. Press and hold the graphic button to delete the characters quickly.

### Next Valid Character

While typing a character, the system can filter the following characters which can be used.

The search results are shown on the right side of the display, according to the selected letter.

To display the full screen and select the names, turn the Rotary Pad until "OK" is selected on the display. Then, push the Rotary Pad or move the Rotary Pad to the right.

## Delete A Character

To delete a character:

- Move the Rotary pad to the left. Hold it left to delete characters quickly.
- Turn the Rotary pad and select the Delete symbol. Push the Rotary Pad to delete the character. Long push the Rotary Pad to delete characters quickly.



1 – Delete Button

## Messages On The Display

The display can show screens showing "Warning", "Danger", "Alert" or "Tip" messages.

### Warning Messages

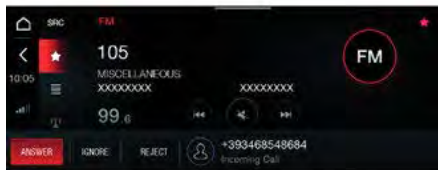
These messages appear at the bottom of the display. Press the display (touchscreen function) or turn the Rotary Pad to select the desired option.

If no action is taken, the menu will disappear from the display after a few seconds.

In other cases, pop-up screens will appear on the display which must be closed manually by the driver. They are closed by pressing them.

### NOTE:

The menu display may vary depending on the type of warning provided.



### Danger Messages

These messages are displayed in the center of the screen until one of the displayed options is confirmed (through the touchscreen or with the Rotary Pad).

### NOTE:

Some messages can be closed by pressing the X graphic button shown on the display (using the touchscreen) or by pushing the Rotary Pad.

### Alert Messages

These messages are displayed in a dedicated area of the display (e.g. volume graphic bar or temperature).

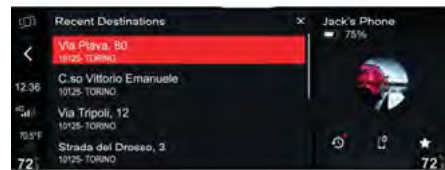
The display will disappear automatically after a few seconds or if warning/danger messages are displayed.



### Tip Messages

These messages are displayed next to the selected mode (e.g., "Last destinations").

The display will disappear automatically after a few seconds or if one of the options shown is selected.



## TURNING THE SYSTEM ON AND OFF

### ON/OFF AND VOLUME BUTTON

## RADIO (TUNER) MODE


### NOTE:

Some Radio Mode functions can be activated using the Rotary Pad, Touchscreen controls, or voice commands  
 ↪ page 199.

### RADIO MODE SELECTION

RADIO mode can be activated by using the appropriate widget in the Main menu.



Press the Enlarge button  on the widget or use the Settings menu to increase the size of the widget itself.



There can be 3 or 4 graphic buttons in the RADIO mode widget to interact with the functions related to this mode (e.g. select previous/next radio station activate/deactivate Mute, etc.).


### MAIN MENU RADIO SCREEN

The following information will be displayed after selecting the desired radio station on the display.



### SideBar:

The following graphic buttons are displayed on the sidebar:

- SRC Select the desired frequency band.
- ★ Select the Favorites list.
- ≡ View the list of stored radio stations.
-  Manually seek a radio station.

### Center Of Screen:

The following information is displayed in the central area of the display:

1. Side Bar
2. Selected frequency band (i.e. FM)
3. Current radio station name and the favorite symbol if station is stored in the favorite list
4. Logo of frequency band
5. Program type
6. Current radio station frequency
7. Radio mode buttons (select previous, activate/deactivate mute, select next station)
8. List of stored radio stations

### SELECTING A FREQUENCY BAND

To select the desired frequency band, press the button SRC on the main screen.

The possible options are AM, FM, and SiriusXM® Satellite Radio (if equipped).



## RADIO STATION SELECTION

To search for a radio station proceed as follows:

- Press the buttons **⏪** and **⏩** on the display (manual search).
- Move the volume control to the Seek Up/Down positions.
- Push the Seek Up/Down buttons on the steering wheel, activating the list of favorite radio stations.
- Activate the list of radio stations.

## PREVIOUS/NEXT RADIO STATION FAST SEARCH

To move within a frequency band, long press the following controls:

- **Forward Search:** Push the ON/OFF button and volume control to the right, push the Seek Up button on the steering wheel, or press the button **⏩** on the display, which can be selected and activated by rotating and pushing the Rotary Pad.
- **Backward search:** Push the ON/OFF button and volume control to the left, push the Seek Down button on the steering wheel, or press the button **⏪** on the display, which can be selected and activated by rotating and pushing the Rotary Pad.

## PREVIOUS/NEXT RADIO STATION SEARCH

- **Forward Search:** Briefly push the ON/OFF button and volume control to the right, push the Seek Up button on the steering wheel, or briefly press the button **⏩** on the display, which can be selected and activated by rotating and pushing the Rotary Pad.

- **Backward search:** Briefly push the ON/OFF button and volume control to the left, briefly push the Seek Down button on the steering wheel, or press the button **⏪** on the display, which can be selected and activated by rotating and pushing the Rotary Pad.

When searching forwards, if the system reaches the end of the band, it will automatically stop on the station where the search started.

## MANUAL TUNING AM/FM RADIO STATION

To use the "Manual Seek" function and directly select a radio station, press the graphic button **📶** on the display. If the radio station is recognized (strong signal), the name will be shown on the display.

Radio stations with a strong signal are shown on the three lines at the top of the display. When the search stops on a radio station with a strong signal, it is shown in white on the display.

### NOTE:

If HD Radio™ is present, the sub channels are not displayed during the "Manual Seek" phase, but you can still select the main radio channels and scroll through their sub channels.

### Using The Touchscreen

- Select one of the radio stations.
- Press and scroll, either right or left, on the frequency graphic bar (the bar is highlighted during the search).
- Briefly press the graphic buttons **<** or **>** to select the desired frequency (which will change, for example, from 94.8 to 94.9 to 95.0, etc.). Hold the button to decrease/ increase faster. The search will end when the graphic button is released.



1 — Radio Station Name

2 — Frequency Bar

### Using The Rotary Pad/Steering Wheel Controls

Proceed as follows to run the "Manual Seek" function using the controls located on the center stack:

- Turn the Rotary Pad to select the desired frequency
- Move the ON/OFF Volume control left or right to select the next/previous radio station. Alternatively, you can search by pushing the Seek Up/Down buttons on the steering wheel.

## SIRIUSXM® RADIO — IF EQUIPPED

SiriusXM® Satellite Radio uses a direct satellite-receiver broadcast technology to deliver clear digital sound anywhere in the country.

Service subscription is provided by SiriusXM® Satellite Radio.

The service offers over 130 channels for music, sports, news, entertainment and children's programs directly from the broadcast studios via satellite.

SiriusXM® and all related trademarks and symbols are the property of SiriusXM® Radio Inc. and its subsidiaries. SiriusXM® Radio requires a subscription,



sold separately after subscribing for the trial period included in the purchase of the vehicle (where available). Prices and programs are provided by SiriusXM® and are subject to changes. Subscriptions are governed by the Terms and Conditions available on the website [sirius.com/serviceterms](http://sirius.com/serviceterms). The SiriusXM® Radio US service is available only for adults in the 48 contiguous United States, DC and PR. Service available in Canada. Go to [siriuscanada.ca](http://siriuscanada.ca).

This functionality is only available for radios with satellite receiver. To receive the satellite radio signal, the vehicle must be in an open space.

If the display shows "Acquiring signal", it could be necessary to change the vehicle position to receive a signal. In most cases, the satellite radio does not receive a signal in underground parking lots or tunnels.

### No subscription

Radios with satellite receivers must be subscribed to the SiriusXM® Service. Without the necessary subscription, the only receivable channel is Traffic/Weather.

### SiriusXM® Subscription

To activate the SiriusXM® subscription, call the toll-free customer service number: 1 (866) 635-5027. Then you will have to provide the Sirius identification number (SID), which can be found at the bottom of the Channel 0 page.

After the SiriusXM® Satellite Radio mode has been selected, the following functions will become available on the display:

#### ★ Favorites

You can access the following options:

- Edit favorites
- Favorite station 01
- Favorite station 0...

#### 🔄 Replay

Allows you to store and play up to 22 minutes of music and up to 48 minutes of radio speech.

#### 📻 Go live

Plays Live content.

#### ☰ Browse

You can access the following options:

- Channel 01
- Channel 0...

#### \*\*\* More

You can access the following options:

- "Direct Tune"
- "Featured favorites"
- "Favorite Artist"
- "Favorite Songs"
- "Game Zone"
- "Add favorites"
- "Remove favorites"
- "Subscription"
- "Skipped Channels"

#### 📻 Frequency band

Allows you to access the various radio frequency bands.

## FAVORITES

Using the "Favorites" function, you can store the list of radio stations that you normally listen to.

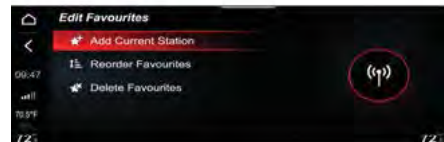
To activate the function, press the button ★ on the display.

The following screen will appear on the display, and the list of stored radio stations will appear.

### Edit Favorites

Select "Edit Favorites" to access the menu for making the following settings:

- Add Current Station:** to add radio stations to the list of favorites.
- Reorder Favorites:** this displays a widget in which your favorite radio stations can be reordered.
- Delete Favorites:** to delete a radio station from the list.



### Reorder Favorites

Select "Reorder Favorites" to reorder your Favorites; the list of Favorites is shown on the display.


The information shown on the display is name, frequency, and preset number of the favorite radio station.

Proceed as follows to change the position of a favorite radio station in a list:

- Using the controls on the center stack:** Turn the Rotary Pad to select the desired radio station, and then push the Rotary Pad. Turn the Rotary Pad up/down to select the new position, and then push on the Rotary Pad to confirm and store your choice.
- Using the touchscreen:** Press and hold down the desired radio station and then scroll up/down to select the new position. When you reach the desired position, release the radio station.

## RADIO STATION LIST


Using the "List" function, you can display a list of all available radio stations in FM and AM.

To activate the function, press the graphic button  on the display.

### NOTE:

If the HD Radio™ system is present, the subchannels occupy the same level as other radio stations but are shown differently on the display.

## HD RADIO™ — IF EQUIPPED

 The radio stations broadcast with the HD Radio™ system are indicated by the "HD" icon and operate on the AM and FM bands.

This new transmission system offers better sound quality than the traditional one as well as the ability to convey additional information such as the artist's name and the title of the track being played.

## SETTING THE PRESETS

Presets are available in all frequency ranges (AM, FM, SiriusXM® Satellite Radio).

The graphic bar on the display shows six stored radio stations


The following information is displayed on each graphic button on the bar: name of the radio station (only with FM frequency range, SiriusXM® Satellite Radio [if equipped]), frequency, and preset number.

If no radio station is stored, the + symbol appears on the bar.

When a radio station is selected, the audio and active screen will change automatically, and a red line appears on the graphic button on the bar.

## AUDIO

To enter the Audio menu:

1. To access the audio settings, press the Settings button .
2. Turn the Rotary pad to select "Audio Settings".



When the function is activated, the following parameters can be set:

- "Bass" (-9; 0; +9)
- "Treble" (-9; 0; +9)
- "Balance/Fade"
- "Speed Adjust Volume" (OFF; +5)
- "Surround Sound" (OFF/ON)
- "AUX Volume Offset" (OFF; +20)
- "Restore Settings"

### Bass/Treble

By turning and pushing the Rotary Pad, select the function you wish to change and set the parameter as desired using the Rotary Pad.

The adjustment can be set to 19 positions: from -9 to +9; 0 is the balanced position.



### Balance/Fader

Select the Balance/Fader function and move the cursor to make the adjustment.



The adjustment can be set to 19 positions, from -9 to +9; 0 is the balance position.

This function allows you to adjust the balance and fading of the sound coming from the front and rear speakers. Adjust the balance by turning the Rotary Pad, when the desired position is reached, store it by pushing the pad.



### Speed Volume

By turning and pushing the Rotary Pad, select the Speed Volume function.



The adjustment can be set to six positions: "Off", system is turned off, and five sensitivity levels.

### Surround Sound — If Equipped

By turning and pushing the Rotary Pad, select the Surround Sound function.

This function provides the simulated surround sound mode. To activate it, turn the Rotary Pad to ON, then confirm by pushing it.

### AUX Volume Compensation

By turning and pushing the Rotary Pad, select the AUX Volume Compensation function.



This function allows the output volume level of the connected device to be compensated.

### Restore Audio Settings

By turning and pushing the Rotary Pad, select the Restore Settings function.

This function deletes the current settings and restores the factory settings.



## MEDIA MODE

### NOTE:

Some Media Mode functions can be activated using the Rotary Pad, Touchscreen controls, or voice commands. For more information on voice control ↗ page 199.

### AUDIO SOURCE SELECTION

Press the button **SRC** to activate MEDIA mode. The display shows the available sources: AM, FM, SXM, Bluetooth®, USB1, USB2, and USB 3.

The source name changes according to the device name (except for AUX mode).

If external devices are connected to the USB ports in the car, USB1, USB2, or USB 3 will appear on the display depending on the selected USB port.

### SHUFFLE/PLAYBACK MODE

Proceed as follows to restart listening to a track, once an external device is connected:

- Using the touchscreen function:** Press the **≡** icon on the display.
- Using the controls on the stack:** Turn the Rotary Pad to select **≡** on the display and then push the Rotary Pad to confirm.


### TRACK SELECTION (LIBRARY)

Use this function to scroll through and select the tracks on the active device.

On a USB device, you can also scroll through the list of artists, albums, tracks, playlists, composers, genres, podcasts, and audio books stored on the device, depending on the information present on the tracks.





Push the Browse button  to activate this function on the source being played.

#### NOTE:

- The Browse button does not allow any operation on the device connected through the AUX jack.
- The Browse button does not allow you to search for "Genres", "Podcasts", "Audiobooks", or "Playlists".

#### A-Z Search

The search results are displayed in alphabetical order. If there are several results with the same name but with different data (e.g. artist and album with the same name), these are displayed in the same order in the library: artist, album, track number, etc.

#### Folders

Select "Folders". The following information will appear on the display:

- Play All:** Play all the songs on the device.
- List of subfolders and/or music on the device.

Select "Play All" or a music track to close the list and return to the MEDIA mode main screen on which the track being played will be displayed.

#### Artist

Select "Artists" to display the list of artists on the device. The item for the selected artist will be highlighted.

#### Albums

Select "Albums" to display the list of albums on the device.

#### Tracks

Select "Tracks" to display the list of musical tracks on the device.

#### NOTE:

If the system cannot play a track on the device, an error message will appear on the display.

#### Playlists

Select "Playlist" to display the list of playlists on the device.

#### Composers

Select "Composers" to display the list of composers on the device.

#### Genres

Select "Genres" to display the list of musical genres on the device.

#### Podcasts

Select "Podcasts" to see the artist's name and respective podcast on the display (e.g. "Artist Podcast 1").

#### NOTE:

This item is not available for Apple®, IAP1, or IAP2 devices.

#### Audio Books

Select "Audio Books" to list the artist on the device.

#### NOTE:

This item is not available for Apple® devices.

If you activate the "Library" function, the only entry available will be "Folders". All other items listed above will not be available until indexing is complete.

The icon next to each item will be grayed out and will not be selectable. An icon showing indexing will appear on the display.

An icon will also appear in the "Folders" display instead of the total number of songs.

## CONNECTING A USB DEVICE

With the system on, and after inserting a USB into one of the two USB ports in the car, it may take a few seconds before the device is recognized. The message "Reading device" (for iPhone®, smartphone, MP3 or Bluetooth® players) or "Reading USB" (for devices other than those listed) will appear on the display.

#### NOTE:

If an AUX device is connected, no message appears on the display.

If the device is not detected by the system, the message "No media files found" will appear on the display.

#### USB Device Connection Errors

If an external device is not recognized by the system, the possible causes of error may be:


- External Device Malfunctioning:** Check that it is working properly.
- External Device Not Readable Or Not Connected:** Check correct connection of the device to the USB port on the car.
- Files On The Device That Cannot Be Read:** Check the format of the files on the device.



## BLUETOOTH® SOURCE

### PAIRING A Bluetooth® AUDIO DEVICE

To pair a Bluetooth® audio device, proceed as follows:

- Activate the Bluetooth® function on the device
- Open the Main menu by pressing the Home button 
- Select "Settings"
- Select "Infotainment"
- Select "Bluetooth®"
- Select the Bluetooth® device
- Select "Add Device"
- Search for the radio system on the Bluetooth® audio device. During the pairing stage, a screen is displayed showing the progress of the operation
- Select the device to be paired
- When requested by the audio device, enter the PIN shown on the system display or confirm on the device the PIN displayed
- When the pairing procedure is completed successfully, a dedicated screen is displayed



The Bluetooth® function can also be found by pressing the Option button within "PHONE" or "MEDIA", which can be selected from the Main menu, activated by pressing the Menu button.

#### NOTE:

- If the Bluetooth® connection between mobile phone and system is lost, consult the mobile phone handbook.
- The Bluetooth® menu will not be available when Apple CarPlay® or Android Auto™ apps are active. A dedicated message will appear on the system if either app is opened.
- If 10 devices are already connected, selecting "Add Devices" will not allow you to add more devices. In this case, before adding a new device, an old device must be removed from the system.

#### Prioritizing The Paired Device

Once the mobile phone or device is paired to the system via Bluetooth®, the Priority Device menu will appear on the display, allowing you to give priority to the selected device over the other paired devices.

#### NOTE:

The priority can be assigned on both the "Audio" and "Phone" profiles.

- Priority Device:** Select/deselect Phone Priority and Audio Priority.
- Phone Profile:** Manually connect/disconnect the selected device
- Audio Profile:** Select/deselect the device connected as the main device
- Personal Data:** Save/delete the personal data on the device
- Remove Device:** Delete a device from the list of paired devices

The configuration suggested by the system can be changed in this menu.

## USB SUPPORT

### USB MODE

- Underneath the dual zone automatic climate control panel
- Inside the compartment underneath the front armrest

#### USB Socket (Battery Charger)

The compartment underneath the front armrest also contains a third USB socket for use as a battery charger only.

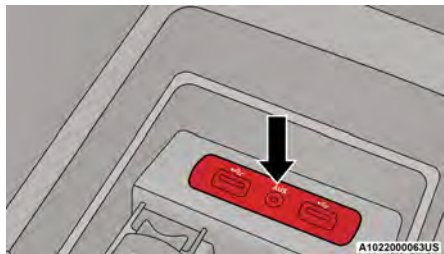
#### NOTE:

- After using a USB device, disconnect the device/smartphone, always removing the cable from the vehicle socket first, never from the device. Cables connected incorrectly could compromise correct recharging and/or the USB socket condition.
- The system may not support some USB devices. In this case, it may not automatically switch from Radio mode to Media mode. If the device used does not play, verify its compatibility by selecting Media mode. A dedicated message will appear on the display.

## AUX SOURCE

### AUX Mode

To activate AUX mode, insert an appropriate device into the AUX port.



When a device is connected to the AUX port, the system will play the connected device's audio through the vehicle speakers.



Adjust the volume using the Volume control pad or using the volume control on the connected device.

If multiple external devices are connected, to choose the device you wish to activate, select the "Select audio source" function.

#### NOTE:

- The functions of the device connected with the AUX socket are directly managed by the device itself. It is not possible to change items (track/folder/playlist) or control playing (start/end/pause) with the controls on the steering wheel.
- To avoid possible hiss from the speakers, do not leave the cable connected to the AUX socket after disconnection.

## PHONE MODE

#### NOTE:

Some Phone Mode functions can be activated using the Rotary Pad, Touchscreen controls, or voice commands. For more information on voice control [↩ page 199](#).

### MAIN FUNCTIONS

When this mode is active, you can:

- Compose the phone number (using the graphic keypad on the display)
- Display and call the contacts in the mobile phone phonebook
- Display and call contacts from the list of previous calls
- Pair up to 10 phones/audio devices to make access and connection easier and quicker

The mobile phone audio is transmitted through the vehicle's audio system. The system automatically mutes the radio when the "PHONE" function is used. The microphones (voice commands) are located near the sun visors.



### DISPLAYED INFORMATION

The Phone mode widget appears on the Main menu. The widget display varies according to the following conditions:

- Paired Mobile Phone
- No Paired Mobile Phone
- Phone Call In Progress
- Multiple Phone Call In Progress
- Outgoing Telephone Call
- Phone Conference In Progress






- 1 – Mute Button
- 2 – End Call Button
- 3 – Transfer Call Back To Device Button



### Paired Mobile Phone

If you have already paired your mobile phone (see the following pages). The following three buttons will appear on the Phone widget:

-  Activate/deactivate microphone during a phone call
-  End phone call
-  Transfer call to the device

If more than one mobile phone has been paired, press the button on the display to select the connection priority of the mobile phone itself.



- 1 – Recent Button
- 2 – Transfer Call Button
- 3 – Favorites Button

### No Ongoing Call (Paired Mobile Phone)

If the mobile phone has already been paired but no call is in progress, the following screen will appear on the display:

- Recent:** By pressing the Recent button, the list of the last phone calls made will be shown on the display. You can scroll through the list using the side graphic bar. Press the X button to close the list view.
- Add Device:** (if equipped) This button will display on the widget only if other phones have already been paired.
- Favorites:** Press the Favorites button to show the list of favorite contacts on the display. You can scroll through the list using the side graphic bar. Press the X button to close the list view.

### No Paired Mobile Phone

If no mobile phone has been paired, the dedicated screen will appear on the display.

Press the button on the display to access the Bluetooth® Settings menu where you can register your mobile phone.



- 1 – No Phone Connected Message

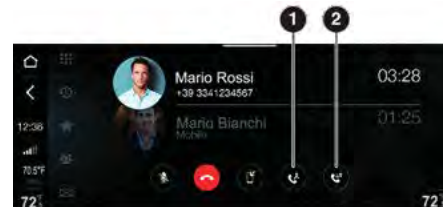
### Conference Call

If more than one phone call is in progress, the following screen will appear on the display.

By pressing the button on the display, you can activate the “Conference Call” function.

### Switching The Phone Call

Press the button on the display to switch the phone call.



- 1 – Conference Call Button
- 2 – Switch Phone Call Button

## MAIN PHONE MENU

When a mobile phone is connected to the system, various items (if available) will appear on the Main menu.

- Network Signal Strength
- Mobile Phone Battery Charge
- Mobile Phone Name



- 1 – Dial Button
- 2 – Recent Calls Button
- 3 – Favorites Button
- 4 – Contacts Button
- 5 – SMS Button

The other information shown on the display is:

- Dial:** Press this button to show the Dial Number screen on the display which can be used to dial the telephone.
- Recent Calls:** Press this graphic button to choose between "All Calls" and "Missed Calls".
- Favorites:** Press this button to choose between "Edit Favorites", "Add Favorites", "Reorder Favorites", and "Delete Favorites".

- Contacts:** Press this button on the display to show the list of all contacts registered on the phone. When you select a contact, the phone number and the photo (if any) linked to the contact appear on the right of the display.
- SMS:** Press this button to receive and send text messages (if supported by the device). The car must be stationary to read the messages. The listening function and the sending of default messages, which can be customized by the driver, is always possible. If an unread message is present, it is indicated by a dot next to the SMS button (a maximum of 99 unread text messages can be present).

## PAIRING A MOBILE PHONE

### NOTE:


Only do this with the vehicle stationary and in safe conditions. The feature is disabled when the car is moving faster than 3 mph (5 km/h).

Always consult the handbook for the mobile phone in any case.

### Pairing Procedure

To pair the mobile phone, proceed as follows:

- Activate the Bluetooth® function on the device
- From the Main menu, select the "SETTINGS" function by turning and pushing the Rotary Pad
- Select "Infotainment"
- Select the Bluetooth® device
- Select "Add device"
- Search for the radio system on the Bluetooth® audio device (during the pairing stage a screen is displayed showing the progress of the operation)
- Select the device to be paired

- When requested by the audio device, enter the PIN shown on the system display or confirm on the device the PIN displayed
- When the pairing procedure is completed successfully, a dedicated screen is displayed
- The Bluetooth® function can also be found by pressing the  button within the "PHONE" or "MEDIA" functions, which can be selected from the Main menu

### NOTE:

If the Bluetooth® connection between mobile phone and system is lost, consult the mobile phone handbook.

Once the phone or device is paired to the system via Bluetooth®, the Priority Device menu will appear on the display allowing you to give priority to the pairing connection of the selected device over the other paired devices.

### NOTE:

The priority can be assigned on both the "Audio" and "Phone" profiles.

- Phone Profile:** Manually connect/disconnect the selected device
- Audio Profile:** Select/deselect the device connected as the main device
- Personal Data:** Save/delete the personal data on the device
- Delete Device:** Delete a device from the list of paired devices

### NOTE:

To ensure proper operation after updating the phone software, it is recommended to remove the phone from the list of devices linked to the radio, delete the previous system pairing also from the list of Bluetooth® devices on the phone, and make a new pairing.



## TRANSMISSION OF PHONE DATA (PHONEBOOK AND RECENT CALLS)

The system can transmit phone data (phonebook and recent calls) from the phonebook via Bluetooth® automatically when the device is connected.

This setting can be modified at any time in the Bluetooth® menu.

After the first phone data transfer, the procedure for transmitting and updating the phonebook (if supported) starts whenever the phone is reconnected to the system.

Whenever a mobile phone is connected to the system, a maximum of 2,000 numbers can be downloaded and updated for each phone.

Depending on the amount of items downloaded from the phonebook, a slight delay can occur before the last names downloaded can be used. Up to then, the phonebook downloaded previously (if present) will be available.

The phonebook of the mobile phone currently connected is the only phonebook that can be accessed by the system.


The phonebook downloaded from the mobile phone can neither be modified nor be deleted through the Information and Entertainment System. Changes will be transmitted and updated in the system when the mobile phone is connected again.

## CONNECTION/DISCONNECTION OF A MOBILE PHONE OR A Bluetooth® AUDIO DEVICE

### Connection

The system connects automatically to the paired mobile phone with the highest priority.

To select a mobile phone or a specific Bluetooth® audio device, proceed as follows:


- Activate the Bluetooth® function on the device
- Open the Main menu by pressing the Menu button  and select "SETTINGS"
- Select "Infotainment"
- Select the Bluetooth® device
- Select "Add Device"
- Select the device
- Select "Phone Profile" or "Audio Profile"
- Select "Connect"
- During the connection stage, the system will indicate that it is updating
- The device connected is highlighted in the list with priority order

### NOTE:

The priority is determined according to the order of connection for mobile phones which are not set as favorites. The last phone connected will have the highest priority.


### Disconnection

To disconnect a specific mobile phone or Bluetooth® audio device, proceed as follows:

- Open the Main menu by pressing the Menu button  and select "Settings"
- Select "Infotainment"
- Select the specific device (mobile phone or Bluetooth® device)
- Select "Disconnect"


## DELETION OF A MOBILE PHONE OR A Bluetooth® AUDIO DEVICE

To delete a mobile phone or a Bluetooth® audio device from a list, proceed as follows:

- Open the Main menu by pressing the Menu button  and select "Settings"
- Select "Bluetooth®"
- Select the specific device (mobile phone or Bluetooth® device)
- Select "Remove Device"
- A confirmation screen will appear on the display. Press "Yes" to delete the device or "No" to cancel the operation.

## SETTING A MOBILE PHONE OR A Bluetooth® DEVICE AS A PRIORITY DEVICE


To set a mobile phone or Bluetooth® audio device as main device, proceed as follows:

- Open the Main menu by pressing the Main menu button  and select "Settings"
- Select "Infotainment"
- Select "Bluetooth®"
- Select the Bluetooth® device
- Select "Phone Priority" and set it to main

## DELETION OF PHONE DATA (PHONE AND RECENT CALLS)

Proceed as follows to delete the phone data (phonebook and recent calls):

### First procedure

- Press the Menu button , turn and push the Rotary Pad, and select "Settings"
- Select "Infotainment"
- Select "Bluetooth®"
- Select the Bluetooth® device
- Select "Personal data"
- Select "Not stored"

### Second procedure

- Push the MENU button, turn and push the Rotary Pad and select "Settings"
- Select "System"
- Select "Clear Personal Data"

### NOTE:

This procedure deletes all the data downloaded from the connected device.

## MAKING A PHONE CALL

The operations described by the following can only be accessed if supported by the mobile phone in use.

For all functions available, refer to the mobile phone owner's handbook.

With the "PHONE" function on, you can make a call in the following ways:


- Select "Phone Book" or "Recent Calls" on the display command bar, and then select a contact from the list
- Select "Dial" on the display command bar

### Dialing The Phone Number Using The Keyboard Icon On The Display

Enter the phone number using the graphic keypad displayed.


### Using The Rotary Pad

Proceed as follows:

- Turn the Rotary Pad and select the Dial button . The Keypad will appear.
- Turn the Rotary Pad to select the numbers on the graphic keypad. After selecting each individual numbers, push the Rotary Pad to confirm your choice.
- Turn the Rotary Pad to select the Phone button.
- Push the Rotary Pad. The call will begin.



### Using The Touchscreen Function

- Press the Dial Button . The keypad will appear on the display.
- Use the numbers on the keypad to dial the phone number.
- Once the phone number has been entered, press the Phone button. The call will begin.



### Dialing The Phone Number Using The Mobile Phone


It is possible to dial a phone number with the mobile phone and continue using the system (never allow yourself to be distracted while driving).

When a phone number is dialed with the keypad of the mobile phone, the audio of the call is played over your vehicle's sound system.

### Recent Calls

The list of the last calls made for each of the following call types can be displayed:

- "Missed Calls"
- "All Calls"

To access these lists, select Recent Calls button  on the Phone menu main screen.

### FAVORITES

Press the Favorites button  to display the list of your favorite "Contacts".

Up to 40 contacts can be shown on the display.

### NOTE:

The first entry in the list, "Edit Favorites" may not be present on all devices.



To make a call to a contact in the list, select it using the touchscreen function or turn and then push the Rotary Pad to activate the phone call.

#### Add To Favorites

By selecting "Add to Favorites", you can add, reorder, or delete a contact from the "Favorites" list.

A screen will appear on the display in which you can search "A-Z" for the desired contact.

#### Reorder Favorites

Select the "Reorder Favorites" to change the position of a contact on the list shown on the display.

##### Using The Touchscreen

- Select the desired contact by pressing it.
- Press and hold your finger up or down until you reach the new position.
- Release the contact. The new position will be stored automatically.

##### Using The Rotary Pad

- Push the Rotary Pad to confirm the selection.
- Turn the Rotary Pad up or down until you reach the new position.
- Release the Rotary pad, and the new position will be stored.

#### Delete Favorites

Select "Delete Favorites" to delete a contact from the list.

After selecting "Delete Favorites", to delete a contact, select the item related to the desired contact (touchscreen function) or turn the Rotary Pad and then push it to confirm your choice. The system will not ask for any confirmation, and the contact will be automatically deleted from the list.

## CONTACTS

Select "Contacts" to view the list of names and their telephone numbers on the display.

The names in the list are displayed in alphabetical order.



Proceed as follows to dial a phone number associated with a contact:

##### Using The Touchscreen

Press the desired contact. If more than one phone number is associated with the contact, a screen will appear on the display in which you can select the number to call.

If there is only one phone number, the phone call will be initiated automatically.

##### Using The Rotary Pad

Turn the Rotary Pad to select the desired contact and then push the Rotary Pad to confirm the selection.

If more than one phone number is associated with the contact, a screen will appear where you can select the number to call.

If there is only one telephone number, the phone call will be initiated automatically.

## Searching For A Contact


### Using the Rotary Pad

- Turn the Rotary Pad to select the letters on the keyboard (after selecting each individual letter, push the Rotary Pad to confirm your choice). The contacts will be displayed in alphabetical order ("A-Z").
- The search results are displayed in the right area of the display. To zoom in, move the Rotary Pad to the right.
- When you have finished entering the name, push on the Rotary Pad to select "OK".

### Using The Touchscreen Function

- Enter the letters on the keyboard (the contacts will be displayed in alphabetical order "A-Z").
- The search results are displayed in the right area of the display.
- When the name has been entered, press the graphic button "OK".

## TEXT MESSAGE READER

Press the Text Messages button  on the display to show the list of text messages present.

On the display, you can choose between the All Messages or Received Messages options.

If the All Messages option is selected, an icon will appear on the display indicating whether the text message is incoming or outgoing.

#### NOTE:

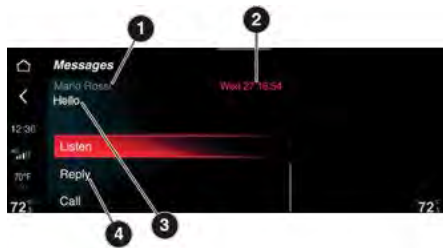
If sending text messages is not supported by the device (e.g. iOS device), a dedicated message will appear on the display.



## Single Messages

The following is shown on the display by selecting a single message:

- Name (or number) of the message sender
- Date and time the message was sent
- Text of the message (can only be viewed when the car is stationary)
- The Read, Answer, Listen, or Call options



- 1 – Contact Name
- 2 – Date And Time
- 3 – Message Preview
- 4 – Reply Button

If you select the Read option, the message will appear on the full screen display.

### NOTE:

- On some mobile devices, to make the SMS function available (including default messages), you will need to enable the phone option. This option is usually present on the mobile device within the Bluetooth® section.

The Read option is only active when the car is stationary.

Selecting the “Answer” option will display a list of predefined text messages that you can select to reply to the message.

The Listen option becomes Stop when the message is read by the system.

Select the “Call” option to activate the Phone mode screen.

## Incoming/Outgoing Messages

The incoming messages are shown on the display by a blue arrow.

The outgoing messages are shown on the display by a green arrow.



- 1 – Contact Name
- 2 – Time And Date
- 3 – Message

## Composing A Message

Proceed as follows to compose a message:

- Select “Edit Messages”
- Type the letters on the keyboard to compose the text of the message
- Select “Save Messages” to save the text and display it full screen or select “Cancel” to delete the text

### NOTE:

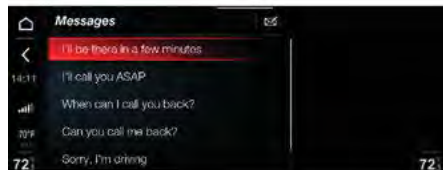
- Composition of a text message is only possible when the car is stationary.
- Messages can be up to 50 characters long.



## Sending A Predefined Message

Proceed as follows to send a predefined message:

- Select the message from the list on the display. A screen with the following options will appear on the display: "Recent Calls", "Favorites", "Contacts", and "Dial"
- Select one of these options, and the display will show the list from which you can select the contact to send the message to
- Select "Confirm?" to send the message



## MANAGING CALLS

### Calls In Progress

When you receive a phone call, the following information will appear on the display:

- Picture (if available) of contact
- Contact details (name and number)
- Duration of phone call
- Buttons (which can only be activated by means of touchscreen functions) for activating/deactivating the microphone, ending the call, and transferring the call to the device.



- 1 – Contact Picture
- 2 – Contact Details
- 3 – Phone Call Duration
- 4 – Option Buttons

### Transferring A Call

To transfer a phone call to the device, press the button on the display.

The display will appear differently according to the status (on or off). Call forwarding off or call forwarding



- 1 – Call Forwarding Button

If call forwarding is active, the call audio will be transferred from the system to the mobile phone.

If call forwarding is deactivated, the mobile phone audio will be deactivated (transferred to the system).


### Ignoring A Call

To ignore an incoming call, press the Ignore button on the display. After a few seconds, the current call will disappear from the display (the call will remain active on the mobile phone).



## ENDING A CALL

### Using The Touchscreen

Press the Hang-Up button  on the display. The main screen of the PHONE mode will be displayed again. A call can be rejected by pressing the Reject button.

## ACTIVATION/DEACTIVATION OF THE MICROPHONE

During a call, the microphone can be deactivated as follows:

### Using The Touchscreen

Press the Mute button  on the display.

According to the status (on or off) of the microphone, the display of the button will be different.


### Using the Rotary Pad/Steering Wheel Controls

Push the Rotary Pad or briefly push the Volume button on the steering wheel.

When the microphone is deactivated, it is still possible to listen to the call in progress.

## NAVIGATION MODE — IF EQUIPPED

### NOTE:

Some Navigation Mode functions can be activated using the Rotary Pad, Touchscreen controls, or voice commands. For more information on voice control  page 199.

## SAFETY/LEGAL NOTICE

When the system is used for the first time, after resetting the default settings and having changed the language, the system will ask you to accept a safety/legal notice, warning you about the responsibilities involved in the product use while navigating.

## NAVIGATION ACTIVATION

The Navigation mode widget is on the Main menu.

### NOTE:

The widget is only active using the touchscreen function.

The graphic button on the widget varies depending on whether Navigation has been activated or is not activated.



### Recent Destinations

If Navigation has been activated, when the graphic button is pressed, the list of the latest destinations will be displayed on the Navigation widget. Select a destination by turning the Rotary Pad or by pressing on the display.

### Navigation Information

Navigation information can be shown on the widget in three different ways:

- Maps
- Pictograms
- Compass

The number and type of the items of information shown in the top part of the widget is always the same.

To view the contents of the "NAVIGATION" widget, scroll up or down with your finger or select the "Widget content" option in the Settings menu.



### Compass — If Equipped

When displayed in reduced size, the compass displays the navigation information and the points of the compass (e.g. 45° NE).

If the compass is not available, the display will show a dedicated message.



When displayed in full screen mode, the compass displays the navigation information, the pictograms of the compass itself, the points of the compass (e.g. 45° NE), the GPS coordinates, the altitude, and the Country and City.

Press the Compass widget to activate the Navigation Main menu.



## NAVIGATION DEACTIVATION

### Navigation Deactivation

To deactivate Navigation, press the graphic button "x".



## NAVIGATION MAIN SCREEN

### When a destination is NOT set

The display shows the following graphic buttons:

- "Set Destination"
- "Recent Destinations"
- "Favorite Destinations"
- "Points of Interest"
- "Point on Map"



1 – Set Destination Button

### When a destination is set

The display shows the following graphic buttons:

- "Stop Navigation"
- "Manage Route"
- "Route Information"
- "Volume"
- "Point on Map"

### Graphic bar

Whenever the Navigation main page is activated, the graphic bar is automatically shown on the display.

If no operation is performed, the graphic bar will disappear after a few seconds.

### Displaying the graphic bar

- Using the touchscreen function: press the display and at the same time drag your finger to the right.
- Using the Rotary Pad: press the Rotary Pad to the right.



1 – Displaying The Bar Display

### Closing the graphic bar

- Using the touchscreen function: press the display and at the same time drag your finger to the left.
- Using the Rotary Pad: press the Rotary Pad to the left. After a few seconds, the graphic bar closes itself.



1 – Closing The Bar Display



## DRIVING VIEW

With navigation running, the display will show the following screen containing the graphic buttons:

- Navigation Map View
- Route Overview
- Navigation Map Centering



- 1 – 3D View
- 2 – 2D View
- 3 – 2D North Up

### Navigation Map View

Press the Navigation Map View button to displayed the map in three different ways:

- 3D View
- 2D View
- 2D North Up

### Route Overview

Press the Route Overview button to preview the selected route.

The Route Overview view can be changed by pressing the Navigation Map View button.

### Navigation Map Centering

Press the Navigation Map Centering button to center the map.

## NOTE:

The button will only display when the driver manually moves the map.

## NAVIGATION INSTRUCTIONS

### NOTE:

Navigation instructions are not available for all road junctions or in all countries.

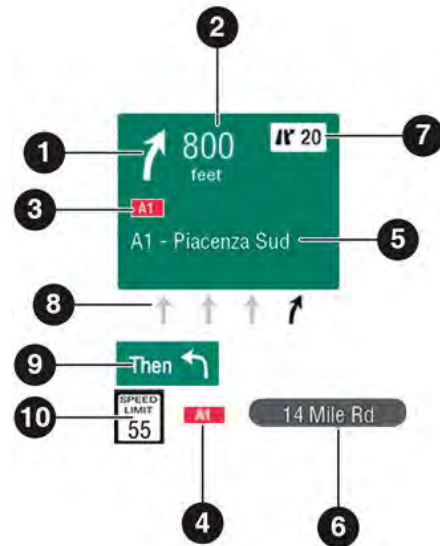
When showing highway exits and junctions, the system indicates the most suitable lane to use.

Press the Route Preview button to see upcoming turns.

### Viewing Navigation Map in Full Screen Mode

The display will show the following information:

- 1 – Indicates the next turn to be performed
- 2 – Distance to next turn
- 3/4 – Number of road being traveled
- 5/6 – Name of road being traveled
- 7 – Exit Number
- 8 – Direction Indication
- 9 – Mandatory Turn
- 10 – Speed Limit Display



## NOTE:

Press the display on the part showing the Navigation information. Push the Rotary Pad to show the Route Preview screen on the display.

## Viewing Navigation Map in 1/3 or 2/3 Mode

The display will show the following information:

- 1 - Indicates the next turn to be performed and speed limit display
- 2 - Distance to next turn
- 3 - Number of road being traveled
- 4 - Name of road being traveled
- 5 - Exit Number
- 6 - Direction Indication
- 7 - Estimated time of arrival
- 8 - Recent Destination graphic button



After entering the address, the following options will display:

- Start Navigation
- Route Alternatives
- Route Options
- Cancel

## Start Navigation

Press the Start Navigation button to begin navigating.

### Alternative Routes (if equipped)

Press the Route Alternatives button to show the following items:

- Arrival Time
- Distance (in miles or kilometers)
- Route Information

Select the destination required, and navigation will begin automatically.

## SYMBOLS DISPLAYED ON ROUTE — IF EQUIPPED

If already activated, during navigation the graphic bar on the right of the display shows a number of useful symbols on the route.



**Activation/Deactivation of Symbol Display**

The symbols shown on the graphic bar subdivide into the following categories:

- Traffic:** Displays the total delay, the graphic icon for the type of accident, and the distance from the start of the queue. If the system knows it, the graphic bar shows the graphic icon for the delay: queue due to traffic conditions, accident, road works, lane closure, and road closure.
- Waypoint:** Displays the distance from a waypoint.
- Rest Area:** Displays the distance from the nearest rest area.
- Destination:** Displays the graphic icon for the destination.
- Parking:** Displays the number of free spaces in a parking lot (if the parking lot is recognized) and the distance from it.
- Alternative Route:** Displays the time difference to destination and the distance of the alternative route suggested by the system.
- Fuel Stations:** Displays information about gas stations (e.g. fuel price, distance from nearest gas station).
- Speed Camera (when present):** Displays the distance from the nearest speed camera.



The symbols which can be activated/deactivated within this function are:

- Displayed on the status bar near the name of the street you are currently traveling on, indicating the speed limit of that street.

- Displayed on the status bar near the name of the street you are currently traveling on, indicating that the user has exceeded the speed limit by at least 3 mph (5 km/h)

**Warning Symbols**

To activate the warning symbols:

- Activate the Settings menu.
- Select "Infotainment" and then "Nav".
- Select "Warnings" and then "Speed Limit Warning".









The symbols within this function are:

- "Traffic jam": Indicates the traffic jam situation; it is displayed on the route bar
- "Queue": Indicates the traffic situation; It is displayed on the route bar
- "Slow traffic": Indicates a slow traffic situation; It is displayed on the route bar
- "Junction": Indicates the traffic situation in a junction; it is displayed on the route bar
- "Unknown accident": Indicates an accident on the road; It is displayed on the route bar
- "Roadwork": Indicates the presence of work in progress; It is displayed on the route bar
- "Lane closed": Indicates that a lane is closed; It is displayed on the route bar
- "Road closure": Indicates that a street is closed; It is displayed on the route bar
- "Alternative route (left)": Indicates the availability of an alternative route to the left; It is displayed on the route bar
- "Alternative route (right)": Indicates the availability of an alternative route to the right; It is displayed on the route bar



## Information Symbols

To activate/deactivate the display of information symbols, select the following functions from the Main menu in sequence: "Settings", "Infotainment", "Nav", "Appearance" and "Route Bar". The symbols which can be activated/deactivated within this function are:

-  "Speed cameras": Indicates the presence of a speed camera; It is displayed on the route bar
-  "Speed camera area": Indicates the presence of a speed camera area; It is displayed on the route bar
-  "Danger zone": Indicates the presence of a dangerous area; It is displayed on the route bar
-  "POI filling station": Indicates the presence of a gas station; It is displayed on the route bar
-  "Parking": Indicates the presence of a parking lot; It is displayed on the route bar
-  "Waypoint": Indicates the presence of a crossing point; It is displayed on the route bar
-  "Start point": Indicates the start point; It is displayed on the route bar
-  "Parking near arrival point": Indicates a parking lot close to the arrival point; It is displayed on the route bar

## Interaction with the graphic bar

Using the touchscreen function:

The graphic bar can be shown on the display in reduced size or enlarged.

When it is displayed in reduced size, when the graphic bar is pressed, the display mode automatically switches to enlarged. In this condition, when the display is pressed (in a point apart from the graphic bar), the bar will return to reduced display.

Scrolling your finger up or down on the graphic bar displays all the icons present. The icons shown beneath the position of the car cannot be selected.

If an alternative route is found, the graphic bar will show a dedicated message and the percentage indication of loading the new route.

Using the commands located on the center stack:

The graphic bar can be shown on the display in reduced size or enlarged.

When it is displayed in reduced size, when the Rotary Pad is moved to the right, the display mode automatically switches to enlarged.

The Rotary Pad can be turned to display all the icons present. The icons shown beneath the position of the car cannot be selected.

### NOTE:

If, while scrolling upward (by both methods – using the touchscreen function or using the center stack commands), no operation is carried out, after a few seconds the graphic bar will automatically return to the icons originally shown.

## ACTIONS ON THE NAVIGATION MAP

### Using the touchscreen

With the Navigation Map active, the touchscreen offers the following actions:

1. **Pressure and up/down:** Vertical movement of the map
2. **Left/right movement:** Moves the map
3. **Press and hold down an object on the map:** Becomes the new starting point
4. **Two-finger pinch:** Zoom +/Zoom -
5. **Two finger press and a vertical swipe:** Vertical tilt of map

## Using the commands on the center stack

The Rotary Pad offers the following actions:

- Pushing on Rotary Pad:** Activation of graphic sidebar
- Left/right movement:** Activation/deactivation of graphic side bar
- Clockwise/counterclockwise rotation:** (with graphic sidebar deactivated) Zoom + / Zoom - of the map
- Clockwise/counterclockwise rotation:** (with graphic sidebar activated) Icon/option selection



## ZOOM (MAP ENLARGEMENT/REDUCTION)

The Zoom function is only active with the graphic sidebar deactivated.

When a given level of "Zoom -" is reached (scale "2 km"), display of the Map automatically switches to "North/South".

When the function is active, the display shows the graphic indicator of the zoom scale (1 km). This indicator disappears after a few seconds.




## SET DESTINATION

The following data are required to set a destination:

- "City/ZIP code"**: Enter the name or ZIP code of the city where the arrival point of the new destination is
- "Address"**: Enter the street name of the new destination
- "House Number"**: Enter the house number of the new destination
- "State" (if applicable)**: Enter the name of the state where the arrival point of the new destination is
- "Start Navigation"**: Once the desired destination has been set

To set a new destination, proceed as follows:

- Select the graphic button  (using the touchscreen function or by turning the Rotary Pad)
- The display will show the graphic keypad for entering the address of the destination and, the list of the "Recent Destinations"

### Management Of Voice Recognition For Entering Navigation Addresses




Push the VR button to start the voice recognition session, and enter a navigation address using voice commands.

You can enter addresses in two different ways:

- One-shot**: Say "Navigate to <City, Address, House Number>" after pressing the VR button to start the voice recognition session. The radio system will be able to recognize the address you inserted or display a list of possible alternatives. Follow the instructions provided by the radio system to start route calculation.



- Manual Entry**: The radio system will help the driver enter the individual fields through a guided procedure, with the possibility of using the "City", "Address" and "House Number" voice commands. To activate this mode, push the VR button  to start the voice recognition session and send the first command to enter the city and continue following the instructions provided by the radio system. If a language change is made on the radio system, using the dedicated menu in "Settings", a pop-up screen will appear to inform the driver about the limited availability of the voice recognition functions.

### NOTE:

- The location of the described message depends on the destination country of the vehicle. Only the countries shown on this pop-up screen will be available with voice recognition functions for address and destination selection. The available countries will change according to the language type selected by the driver.
- The "one-shot" address entry mode will not be available if the driver chooses a language other than the one used in the country in which the car was marketed. In this case, in order to access the voice recognition functions and enter a valid address, you will need to send to the radio system a voice command to change country in advance (for each use of the car).

### Route Options

Press the Route Options button to show the route options.

### NOTE:


Press the Cancel button to interrupt the calculation process and return to the graphic keyboard where you can change the previously selected address.

### Alternative routes

- Once the address has been entered, the display will show the "Route Alternatives" screen. For each destination, the display shows: arrival time distance (in miles or kilometers), route information (e.g. "Fastest", "Shortest" and "Eco") and relative graphic icons (the order of display of route information is always "Fastest" - "Shortest" - "Eco")
- Select the destination required: navigation will start automatically

The "Route alternatives" screen is interactive: the following actions are possible by interacting with it using the touchscreen function:

- Pressure and up/down drag**: Zoom + / Zoom - of the Map
- Left/right movement**: Horizontal movement of Map
- Pressing and holding down an object on the Map**: Starting point
- Pressing the list of alternative routes**: Selection of a route

With the "Route Alternatives" display active, pressing the button  returns to the system Main menu.

No route will appear on the Navigation mode widget until one of the following happens:

- Once a few seconds have passed without any action, Navigation will be started automatically
- If the Navigation widget is pressed before the end of this time, the "Route Alternatives" screen will be displayed again
- With the "Route Alternatives" display active, pressing the < graphic button displays
- If "Confirm" is selected, the display will return to the screen with the graphic keypad and the list of the "Recent Destinations"
- Select "Cancel" to return to the "Route Alternatives" screen

## Loading a route

Every time an address is entered, the sidebar will show the loading percentage (e.g. 85%) followed by the word "Loading...". These indications will disappear as soon as the route has been loaded.

It will not be possible to start the navigation until the radio system has calculated and displayed the route loading message. This phase may take a few seconds for long-range destinations. The radio system will then display information about the distance and estimated time of arrival ("ETA") for the calculated route.

The current position and the destination are displayed on the Navigation Map.

If the < graphic button is pressed, the display shows a "Stop Navigation?" message ↩ page 162.

Pressing the Home button  returns to the system Main menu; the route will not be calculated.

## Turn Indications

The screen for the right turn indication is shown on the display when the driver is about to perform the next action.

## RECENT DESTINATIONS

The Recent Destinations include the final destination and the way points.

To set a destination by selecting it from the Recent Destination, proceed as follows:

- Select the required recent destination from the list. The display will show the Navigation Map and route to the destination.
- Navigation will start automatically.

Pressing the Edit Recent button in the Recent Destination menu; the following can be selected:

- Add To Favorites:** Allows the recent destination to be added to the favorite's list.
- Remove Destination:** Deletes a recent destination.
- Clear Recent Destination:** Clears the complete list of recent destinations.

## Add To Favorites

In the Edit Recent menu, "Add To Favorites" can be selected.

### Deleting A Single Recent Destination

- Select the Edit Recent menu.
- Select the Remove Destination option.
- Select the desired destination for deletion; the system will display a message. Select "Confirm" to delete the destination.

### Deleting All Recent Destinations

- Select the Edit Recent menu.
- Select the Clear Recent Destinations option.
- Select the desired destination for deletion; the system will display a message. Select "Confirm" to delete the destination.

### NOTE:

The list shows up to 40 recent destinations. If there are already 40, the oldest will be deleted from the list.


## FAVORITE DESTINATIONS

### NOTE:

The first time the system is used, when the "Home"/"Work" address has not yet been set, the message "Set Address" will be shown on the display. The respective words/graphic icons will not be shown on the display until the "Home"/"Work" addresses have been entered.

### Changing a favorite destination

Proceed as follows:

- Press the Favorites button  on the Navigation main page; the Favorite Destinations menu will appear on the display.
- Press the Edit Favorites button; the display will show the Edit Favorites menu, allowing the options described:

### "Add to Favorites"

Allows a destination to be added to the list of "Favorites".

Proceed as follows:

- Select the "Add to Favorites" option; the display will show the graphic keypad for entering the address of the destination.
- The display will show a dedicated message. Select "Confirm" to confirm the choice, or "Cancel" to cancel the operation.

### "Change Home Address"

Allows the "Home" address to be changed.

Proceed as follows:

- Select the "Change Home Address" option; the display will show the graphic keypad for entering the home address.
- The display will show a dedicated message. Select "Confirm" to confirm the choice, or "Cancel" to cancel the operation.

### "Change Work address"

Allows the "Work" address to be changed.

Proceed as follows:

- Select the "Change Work Address" option; the display will show the graphic keypad for entering the home address.
- The display will show a dedicated message. Select "Confirm" to confirm the choice, or "Cancel" to cancel the operation.



**“Rename Favorite”**

Allows the name of a favorite destination to be changed.

Proceed as follows:

- Select the “Rename Favorite” option; the list of destinations will appear on the display.
- Select the destination to be renamed; the display will show the graphic keypad for entering the new name.
- When typing of the new name is complete, select “OK” to confirm the choice; the new name will be displayed in the Favorite Destinations menu.

**“Remove Favorite”**

Allows a single favorite destination to be deleted.

Proceed as follows:

- Select the “Remove Favorite” option; the list of destinations will appear on the display
- Select the destination for removal; the display will show a dedicated message. Select “Confirm” to confirm the choice, or “Cancel” to cancel the operation

**“Clear Favorites”**

Allows all the favorite destinations to be deleted.

Proceed as follows:

- Select the “Clear Favorites” option; the display will show a dedicated message.
- Select “Confirm” to confirm the choice, or “Cancel” to cancel the operation.

**POINT ON MAP — IF EQUIPPED**

The Navigation Map can be browsed using the Rotary Pad or the touchscreen function.

**Rotary Pad**

- Moving the Rotary Pad up/down/ left/right:** Moves the map in the four directions
- Rotating the Rotary Pad:** Zoom + / Zoom -
- Pressure on Rotary Pad:** Activates the Point on Map menu

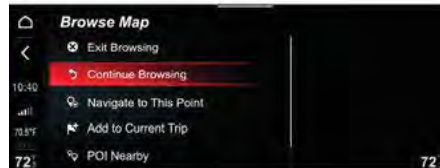
**“Point on Map” Menu Activation**

The display will present the following options:

- “Exit Points on Map View”: Used to stop browsing the Navigation Map
- “Continue Viewing Points on Map”: Used to continue browsing the Navigation Map
- “Navigate to this point”: Used to navigate to the set destination
- “Add to Current Trip”: Used to set the selected point as the intermediate destination of the route
- “POI Nearby”: Used to add Points Of Interest (POI) to the set route
- “Add to Favorites”: Used to choose a destination in the list of favorite destinations

**NOTE:**

- The “Add to Current Trip” option can only be selected with navigation activated
- The search for a POI covers a radius of 3 miles (5 km); a minimum of 30 and up to a maximum of 60 POI will be displayed. If the search is unsuccessful, the new search will be performed over a radius of 62 miles (100 km)

**STOP NAVIGATION**

After starting the Navigation, it can be stopped at any moment.

To stop Navigation, proceed as follows:


- Press the graphic button on the display
- The display will show a dedicated message. Select “Confirm” to confirm the choice, or “Cancel” to cancel the operation. If “Confirm” is selected, the display will return to the main Navigation screen

## EDIT ROUTE

This function can be used to perfect the route selection on the basis of specific parameters:

### Function activation

Proceed as follows:

- Press the  button on the display.
- The display will show the Manage Route menu, allowing the options described:



### Routing Options

Allows selection of the following options:

- “Avoid Expressways”: Used to avoid routes including expressways.
- “Avoid Toll Roads”: Used to avoid toll roads.
- “Avoid Ferries / Trains”: Used to avoid trains and ferries.
- “Avoid Carpool Lanes”: Used to avoid carpool lanes.
- “Avoid Unpaved Roads”: Used to avoid traveling on unpaved roads.

### Add New Destination

Select the “Add New Destination” option; the display will show the graphic keypad for entering a new destination.

After typing of the destination is complete, press the “OK” graphic button to confirm; the new destination will be saved.

### “Add Recent Destination”

Select the “Add Recent Destination” option from the display. The keypad will appear to enter a new destination. After typing the destination, press “OK” to confirm. The new destination will be saved.

### Add Favorite Destination

Selection of the “Add Favorite” option allows the user to select the destination to be added, with a choice of “Home” or “Work”.

### Add POI

After selection of “Add POI”, Points Of Interest (POI) can be added to the set route.

Select the point of interest from the list on the display. After it is selected, the display will show the list of all the Points Of Interest present along the route.


### Reorder Trip

Selection of the “Reorder Trip” option allows the Waypoints to be reordered.

Proceed as follows:

- Using the touchscreen function: press on the Waypoint required and, holding it down, drag it upwards or downwards. Once the required position is reached, release the Waypoint.
- Using the Rotary Pad: turn the Rotary Pad to select the Waypoint required, then turn the Rotary Pad upward or downward. Once the required position is reached, push on the Rotary Pad to confirm the selection; the new position will be saved.

## ROUTE INFORMATION

To activate showing of the route information on the display, press the  button. The display will show the Route Information menu, which can be used to select the “Route Preview” option (only available with Navigation active) or the “Traffic Information” option.



### Route preview

After selecting of the Route Preview option, the display will show the Route Preview menu containing:

- The left of the display will show the consecutive list of turns (graphic icon indicating the turn, name of the road, distance left to turn).
- The right of the display will show the preview of the selected turn.





- 1 – Directions List  
2 – Preview Of Selected Turn

### Traffic Information

After selection of the "Traffic Information" option, the display shows the Relative menu, which contains a list of events related to traffic conditions.

Every event features:

- A graphic icon identifying the "category" of event
- Words identifying the name of the road on which the event is occurring (e.g. I-75). If the name of the road is not available, the display will show a message specifying the cause of the event
- Distance (in miles or kilometers) to the reported event




If one of the events is selected, the display will show a screen containing:

- Description of the event (e.g. queue, accident, road works, etc.)
- Estimated time until destination is reached
- Name of location where the event starts (if available)
- Name of location where the event ends (if available)

### NAV ADJUSTMENT VOLUME

The volume of the messages provided during Navigation can be adjusted.


To adjust the volume, press the button  on the display; the display will show a graphic bar which can be used to adjust the volume.

The volume level appears on the right of the graphic bar.




### FASTEST ROUTE

If a new, faster route is available and the "Ask Me" option has been set for the "Faster Route Available" function, the following screen will appear on the display containing:

-  button to start Navigation
- Delete button to stop Navigation
- A message notifying the driver that a faster route has been found

## POINT OF INTEREST (POI)

This function allows the user to go to Points Of Interest (POI) or add them to the set route, by selecting them from the list shown on the display.

Press the  button; the display will show the Search POIs menu, containing the list of all the Points Of Interest available.

### Searching for a POI

#### Navigation not activated


With Navigation not activated, the display will show the graphic icon. When it is pressed, the display will show the graphic keypad for entering the name of the POI. When done, press the OK graphic button to confirm the selection.

The display will show a list of all the POIs found; when one of them is pressed, the display will show a screen with full information (name, address, telephone number) about the POI.

Select "Call" to make a telephone call to the number shown on the display.

Select "Start Navigation" to start Navigation towards the POI.

#### Navigation activated

With Navigation activated, the display will show the icon . When it is pressed, the display will show the Search POIs menu, allowing you to choose the POI, using either the "Text Search" or the "Display POI" option.

If the "Text Search" option is selected, the display will show the graphic keypad for entering the name of the POI. When done, press the OK button to confirm the selection. The display will show a list of all the POIs found; when one of them is pressed, the display will show a screen with full information (name, address, telephone number) about the POI.

If the "Display POI" option is selected, the display will show the Display POI menu, allowing you to search for a POI, using one of the following options: "Near me", "Near destination", and "Along the route".

Select one of the options; the display will show a list of all the POIs found; when one of them is pressed, the display will show a screen with full information (name, address, telephone number) about the POIs.

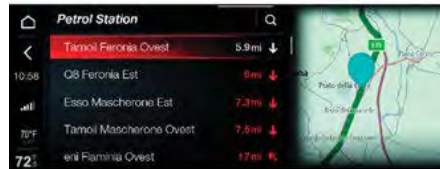
### Categories of POI

The categories of Points Of Interest (POIs) shown on the display are as follows:

- Restaurant
- ATM
- Gas Station
- Restaurant
- Car
- Eating & Drinking
- Hotels & Accommodations
- Health Care
- Business
- Transport
- Tourism
- Government & Public Services
- Leisure & Sport

The list of categories of Points Of Interest displays the following information:

- Name of the POI
- Distance from and direction of the POI
- The title of the list is the name of the selected category (e.g. "Gas Station")



The Map showing the POI will be shown in the right of the display.



### NOTE:

- The search for a POI category covers a radius of 3 miles (5 km); a minimum of 30 and up to a maximum of 60 POI will be displayed. If the search is unsuccessful, the new search will be performed over a radius of 62 miles (100 km).
- The "A-Z" search for a POI covers a radius of 18 miles (30 km); a maximum of 100 POIs will be shown on the display.

## DISPLAY OF POI



Points Of Interest (POIs) can be displayed on the Navigation Map.

In response to a long press on any point of the Navigation Map, the display will show a graphic icon showing the POI and a contextual menu, on which the following information will be displayed:


-  button for starting the Route Alternatives menu
-  button for saving POI in the "Favorites"
- Delete button for closing display of the contextual menu
- Address of the POI (e.g. Via Galileo Galilei, 154 41126 Modena, Italy)




**NOTE:**

If it is not possible to select a destination (e.g. Gas Station) by pressing the Navigation Map, the  button can be pressed to start Navigation towards the nearest point, and the  button can be used to save the address in the list of "Favorites".

*Route Alternatives*

Press the  button to start the Route Alternatives menu. Navigation will begin automatically once one of the possible alternative routes has been selected.

*Favorite Destinations*

Press the  button to save the POI in the Favorite Destinations menu.

At the end of the operation, the graphic button will become a star.

## TOM TOM® ONLINE SERVICES

Tom Tom® Online Services allow you to receive and view the following information on the Information and Entertainment System display:

- Live Traffic/Speed Cameras
- Send Destination To Car
- Search For A Point Of Interest (PO) Online
- Last Mile Navigation

**NOTE:**

Tom Tom® Online Services are available if Alfa Connect Services is activated and for the entire duration, plus any renewals, of the "My Navigation" package.

## LIVE TRAFFIC/SPEED CAMERAS

With this service, you can view the follow information on the system display:

- Traffic (conditions updated in real time)
- Speed Cameras (if any)



Live Traffic Widget

Press the Live Traffic widget on the display to access these services.

**NOTE:**

The first time the services are accessed, the Information and Entertainment System will verify whether services are enabled. If not enabled, the display will show a dedicated message. However, access to the services will still be possible. Press the "OK" button to clear the message from the display.

## Live Traffic

Live Traffic will display traffic condition in real time on the touchscreen. The information displays in the following colors:

- Green:** Roads where the average traffic speed corresponds to the provided speed limit.



Green Traffic Indicator

- Yellow:** Roads where the average traffic speed is below the provided speed limit.



Yellow Traffic Indicator



- **Red:** Roads where the average traffic speed is at a near stop.



Red Traffic Indicator

- **Red And Danger Sign:** Roads blocked by road work or accidents. There are two kinds of displays:
  - Dotted Black Line: Roads closed due to construction or for other reasons.
  - Solid Black Line: Roads are temporarily blocked due to accidents or for other reasons.



Red Traffic Indicator And Danger Symbol

Traffic Information is displayed for the following:

- Accidents
- Road Closures
- Roadwork
- Slow Traffic
- Flooding
- Icy Roads
- Other categories provided by the Navigation service supplier.

## Traffic Information

The following traffic information will display on the touchscreen:

- Location
- Reason for the delay or icon representing the delay
- Distance from the location affected by traffic
- Direction being traveled
- Additional information (road closure/road work duration)

The traffic information in the widget can be displayed in two different ways:

- On the Navigation Map
- In the Widget as text

The content can be changed using the widget (by scrolling up or down on it) or via the "Widget content" option in the "Settings" Menu.



Navigation Display



Text Display



## Traffic Delays

The display will change depending on the following Traffic Delay conditions:

- When driving with no heavy traffic conditions present, the display will show any new delays caused by traffic.
- When driving in heavy traffic conditions, the display will show the total delay time and the updated expected time of arrival.
- When driving with a delay present, the display will show alternative routes. If a new route is selected, navigation will begin, and the new traffic data will be displayed.

## Navigation Map Information

The Navigation Map includes graphics related to a traffic condition event. Pressing the button in the bottom of the display opens a pop-up menu.

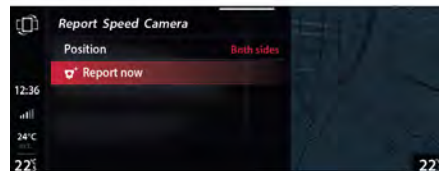


Traffic Condition Button

## Speed Cameras

The type (fixed or mobile) and location of any present speed cameras will display on the touchscreen. A Speed Camera icon will display on the right-hand side. Press the icon; the following will display:

- Position
- Report Now



### Speed Camera Menu

Pressing the Positions button will display the following options:

- My Side
- Other Side
- Both Sides

Press the Report Now button to activate an on-screen alert to the presence of a speed camera. If the alert fails, the display will show a dedicated message.

Depending on the settings made, the Speed Camera Alert icon can be displayed on the Navigation Map and in the status bar on the right of the display.



### Speed Camera Icons

- 1 – Camera Icon On Map
- 2 – Camera Icon In Status Bar

If you press one of the icons shown on the display, the following information about the speed camera will appear in the bottom:

- Speed Limit
- Current Vehicle Speed
- Distance to Camera
- Color indicating a difference in current vehicle speed to provided speed limit. If current speed is over limit, the color will display red. If at or under the provided limit, the color will display green.
- Date and time of last speed camera alert



Speed Camera Display



Average Speed Zone Display



Average Speed Zone Display

## DANGER ZONE AND RISK ZONE WARNINGS

Warnings are given 10 seconds before you reach a danger zone or risk zone. You are warned in several ways:

- A symbol is shown in the route bar and on your route map.
- Your distance to the start of the zone is shown in the route bar.
- You hear a warning sound as you near the start of the zone.
- While you are approaching a zone or driving in a zone, your speed is monitored. If you drive more than 3 mph (5 km/h) over the speed limit, the route bar turns red. If you drive less than 3 mph (5 km/h) over the speed limit, the route bar turns orange.
- While you are driving in a zone, your distance to the end of the zone is shown in the route bar.

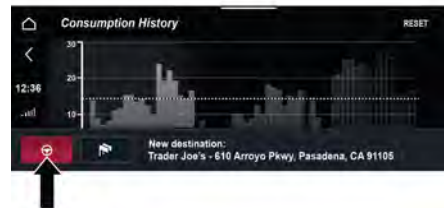
To change the way you are warned about danger zones and risk zones, select “Sounds & Warnings” in the Settings menu.

## SEND DESTINATION TO VEHICLE

Using your smartphone, you can send a destination right to your Information and Entertainment Navigation System.

The new destination will appear on the touchscreen. To start Navigation, press the Start Navigation button:

- With A Destination Not Set: the new destination will display in the Recent Destinations menu.
- With A Destination Set: the new destination will display in the Manage Route menu. To access the new destination, press the Add New Destination button.

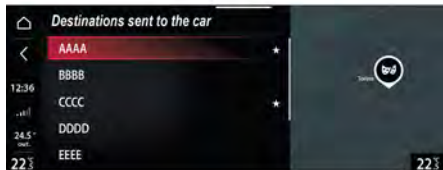


Start Navigation Button

## When A Destination Is Not Set

1. Press the Recent Destinations button in the bar on the left of the touchscreen. The Recent Destinations menu will display with the new destination.
2. Select the new destination from the touchscreen. A list will display and show all the new destinations received. It can show up to five destinations.





New Destinations List

## When A Destination Is Set

1. Access the Manage Route menu.
2. Press “Add New Destination”. A menu will display containing the “Recent Destination” and “New Destination” options.
3. Select the new destination. A list will display and show all the new destination received. it can display up to five destinations.

Once the required destination has been selected, it will appear on the display complete with address and telephone number (if available).

You can press the Call button to call the number, or press the Start Navigation button to start navigating to the new destination.

A destination can be selected in the New Destination Name screen by pressing the touchscreen (or turning and pushing the Rotary Pad) on the name/address desired.

Press the Start Navigation button to add the selected location; the display will switch to selecting a new navigation route.

## New Destination Management

Pressing the Settings button on the New Destination screen will access the New Destination Management menu. Select from the following:

- Add To Favorites: add a recent destination to the Favorites list.
- Remove Destination: Remove a recent destination.
- Clear Destinations: Clear the complete list of sent destinations.

## Add To Favorites

Press “Add To Favorites” to add a new destination in the Management Recent menu to the Favorites menu.

## Deleting A New Destination

To delete a new destination:

1. Enter the Manage Recent menu.
2. Press “Remove Destination”.
3. Press the destination you would like to remove.
4. From the pop-up, press “Confirm” to delete the destination, or press “Cancel” to cancel the operation.

## Deleting All New Destination

To delete all new destinations:

1. Enter the Manage Recent menu.
2. Press “Clear Recent Destinations”.
3. Press the destinations you would like to remove.
4. From the pop-up, press “Confirm” to delete the destination, or press “Cancel” to cancel the operation.

## SEARCH FOR A POINT OF INTEREST (POI) ONLINE

You can enter a destination (by entering the name, address, or a POI name), and a list of POIs that match your search will display on the touchscreen.

POIs can be selected from the list on the display and sent to the Navigation system.

### NOTE:

A subscription and authorization is needed for this service.

If the car is not connected (due to a network problem or an expired subscription), the POI search function is performed as described in “Search For A Point Of Interest (POI)”.

## When A Destination Is Not Set

1. Press the Manage Route button.
2. Select from a POI on the Search POIs menu.

## When A Destination Is Set

1. Press the Manage Route button.
2. Press “Add New POI”.

If you press a POI shown on the touchscreen, a screen with the following information will display:

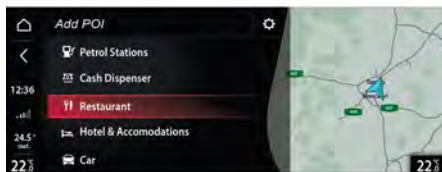
- Expected Time Of Arrival
- Distance
- POI Phone Number (if available)
- POI Email (if available)
- POI Website (if available)
- POI Name
- POI Address



### Add New POI Settings Button

Select the desired POI and then:

- **With Navigation Not Activated:** Press “Start navigation” to begin navigating to the desired POI.
- **Navigation Activated:** Press “Add To Current Trip” to add the POI to the current route. The display will show the position of the POI (relative to the entire route), and the icon and address of the POI.



### Search POI Menu

## LAST MILE NAVIGATION

With Last Mile Navigation, you can transfer navigation function from the built-in navigation software in your Information And Entertainment System to your smartphone.

When navigation is active, the Information and Entertainment System will transfer navigation to your smartphone as follows:

- Automatically by activating the Automatically Send Last Mile To Mobile option in the Settings menu.
- At the driver’s request by activating the Send Last Mile Navigation option in the manage Route menu or in the Settings menu.
- At the driver’s request if, during navigation, you press a point on the map and then select “Send Last Mile Navigation” from the pop-up.

### Transferring Navigation To Your Smartphone

With navigation active:

1. Press the Manage Route button.
2. Select “Last Mile Navigation”
3. Select “Send Last Mile Navigation”. The display will show a dedicated message indicating that the navigation will be transferred to the smartphone. Press the OK button to confirm the selection.

#### NOTE:

- The final destination will be sent to the smartphone even if the car is not in a 1 mile or 1 kilometer radius from the final destination.
- The transfer to the smartphone will take place even if you have not enabled the “Automatic Sending Last Mile To Mobile” feature in the Settings menu. Navigation will be sent by pressing “Send Last Mile Navigation”.



### Last Mile Navigation Location

### Transferring Navigation Using The Navigation Map

1. Press the starting point icon or the destination icon on the current route.
2. Press “Send Last Mile” from the pop-up to transfer the navigation to your smartphone. A message will display indicating that the information has been transferred.



### Last Mile Navigation Button



## Transferring Navigation Using The Settings Menu

1. Push the Settings button from the controls in the center stack or Enter the Settings menu from the touchscreen.
2. Select "Last Mile Navigation".
3. Press the On option next to "Automatic Sending Last Mile To Mobile" to activate the transfer of navigation information to your smartphone.

### NOTE:

If the transfer has not taken place one minute after the Information And Entertainment System attempts to transfer navigation information to a smartphone, a dedicated message will display on the touchscreen.

## SETTINGS

### SETTINGS

A series of user-programmable functions can be set using the radio system.

#### Activating The Settings Menu

The Settings menu can be activated by using the appropriate widget on the Main menu.



The following menu items can be found here:

- "Lights"
- "Units & Language"
- "Clock & Date"
- "Passive Safety"
- "Convenience & Comfort"
- "Driver Assistance"
- "Doors & Locks"
- "Cluster"
- "Infotainment"
- "System"

#### Activation/Deactivation Of Settings

Each of the items in the Settings menu can be selected using the touchscreen or by using the Rotary Pad.

#### Lights

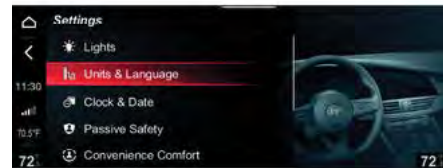
To access the Lights function, select it by turning and pushing the Rotary Pad or touching the screen.



The following settings can be modified when this mode is selected:

- "Headlight Sensitivity": For adjusting the headlight activation sensitivity
- "Headlight Off Delay": Activates/deactivates the headlight delay when the vehicle is turned off
- "Headlights with Wipers": Activates/deactivates the headlights with wipers
- "Cornering Lights" (if equipped): Activates/deactivates the automation that links the light beam of the headlight to the steering angle
- "Flash Lights with Lock": Activates flashing when the vehicle doors are locked
- "Daytime Running Lights": Activates/deactivates the daytime running lights (DRLs). This feature is allowed by law in the country of the vehicle purchase
- "Courtesy Lights" (if equipped): Activates/deactivates the courtesy lights
- "Greeting Lights" (if equipped): Activates/deactivates the greeting lights
- "Interior Ambient Lighting": For selecting the brightness of the interior lights
- "Restore Light Settings": Deletes the current settings and restores the factory settings

#### Units & Language



To access the "Units & Language" function and the respective submenus, select the option by turning and pushing the Rotary Pad or touching the screen.

The options available are:

- "Units"
- "Language"
- "Restore settings"

Selecting the "Units" option activates the following submenus:

- "US"/"Imperial"
- "Metric"
- "Custom"
- "Automatic" (if equipped)

Selecting "Custom" activates the following submenus:

- "Distance": Allows you to select the units of measurement for distance ("km" or "mi")
- "Temperature": Allows you to select the units of measurement for temperature ("°F" or "°C")
- "Pressure": Allows you to select the unit of measurement for pressure (options available: "psi", "kPa", "bar")
- "Fuel Consumption": Allows you to select the units of measurement for fuel consumption. If the unit of measurement for distance is "km/l", "l/100 km" can be selected, while if the unit of measurement for distance is "mi" (miles), "mpg" is set automatically
- "Torque" (if equipped): Allows you to select the units of measurement for torque

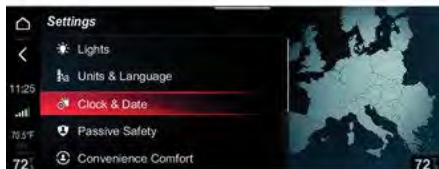
Selecting *Language*

- Allows the system language setting to be selected

Selecting *Restore Settings*

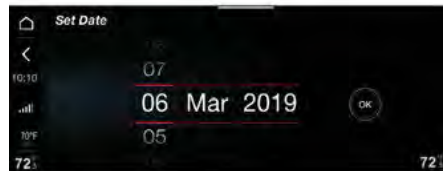
- Deletes the current settings and restores the factory settings

## Clock & Date



The options available are:

- "Sync with GPS Time": Activates/deactivates the clock synchronization through the GPS. If it's off, the options "Set Time" and "Set Date" are enabled. Turn the Rotary Pad to adjust the hours, push the control to confirm it, and proceed to set the minutes in the same way.
- "Set Time": Allows you to manually set the hours and minutes. Scroll up or down on the touchscreen to adjust the hours and minutes and then press "OK" or turn the Rotary pad to adjust the hours and minutes and push on the Rotary Pad to confirm.
- "Set Date": Allows you to set the date manually. Scroll up or down on the touchscreen to adjust the year and month and then press "OK" or turn the Rotary Pad to adjust the day, push the control to confirm it, proceed similarly to set month and year.
- "Time Format": You can select between a 24-hour or 12-hour clock.
- "Restore Clock And Date Settings": Deletes the current settings and restores the factory settings.



## Passive Safety



The following settings can be modified when this mode is selected:

#### *Auto Park Brake - If Equipped*

Enable the auto park brake On or Off when the engine is turned off.

#### *Brake Service - If Equipped*

Select "Yes" or "No" to allow for maintenance on the brake system.

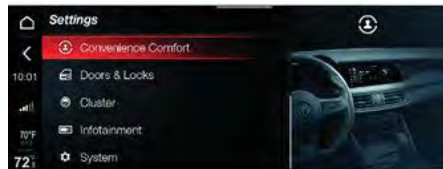
#### *Automatic Mirror Closing - If Equipped*

This function activates/deactivates automatic folding of the mirrors when the doors are locked/unlocked. The default is "Off".

#### *Restore Passive Safety Settings*

This function allows you to delete the previous settings in this menu and restore them to the default. Access this setting by turning and pushing the Rotary Pad.

### Convenience & Comfort

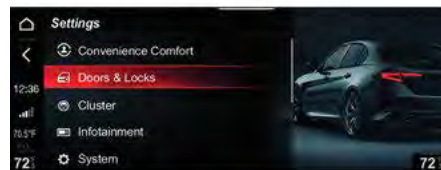


The following settings can be activated from this mode:

- "Easy Entry" (if equipped): Allows you to select On or Off for Easy Entry.
- "Passive Entry" (if equipped): Allows you to select On or Off for automatic door locking.

- "Sound Horn with Remote Start" (if equipped): Allows you to select On or Off for sounding the horn with remote start.
- "Auto-On Driver Comfort" (if equipped): Allows you to select All Starts, Remote Start, or Off for Auto-On Driver Comfort.
- "Wireless Charging Notifications" (if equipped): Allows you to select On or Off for Wireless Charging Notifications.
- "Restore Comfort Settings": This function allows you to delete the previous settings in this menu and restore them to the default.

### Doors & Locks



The following settings can be modified when this mode is selected:

- "Door Lock in Motion": This function can be used to activate/deactivate automatic door locking when the vehicle is moving
- "Unlock All Doors on Exit": Permits the automatic unlocking of the doors when exiting the vehicle
- "Door Unlock on Entry": Permits the choice of whether to open all doors or driver side door only when the dedicated button on the key with remote control is first pressed

- "Sound Horn with Remote Start" (if equipped): Permits the activation/deactivation of the horn when the engine is started with the electronic key
- "Sound Horn with Lock": Permits the activation of the horn when the door locking button on the key with remote control is pressed. The options available are "Off", "1st press", and "2nd press"
- "Auto Relock" (if equipped): Allows you to activate/deactivate automatic door locking after the engine is switched off
- "Power Liftgate" (if equipped): Allows you to choose how wide the liftgate opens from four preset positions and one custom position
- "Automatic Liftgate Opening" (if equipped): Allows you to activate/deactivate the automatic hands-free liftgate
- "Restore Settings": Deletes the current settings and restores the factory settings

### Cluster





The following settings can be modified when this mode is selected:

- "Warning Buzzer Volume": Allows you to set the volume of the warning buzzer on seven levels
- "Trip B": Allows you to activate/deactivate the function
- "Show Phone": Allows to activate/deactivate the repetition of the phone function screens on the instrument panel display
- "Show Audio Info": Allows you to activate/deactivate repetition of the audio function screens (Radio and Media) also on the instrument panel display
- "Show Nav Info": Allows you to activate/deactivate repetition of the navigation function screens also on the instrument panel display
- "Digital Speed On All Screens": Allows you to activate/deactivate the digital speed on the instrument panel
- "Consumption Bar": Allows you to activate/deactivate the consumption bar on the instrument panel
- "Performance Pages": Allows you to choose, for each driving mode, one of the two alternative contents displayed.
- "Custom Areas": Allows you to select which content to display in each of the three customizable areas on the instrument Panel
- "Restore Cluster Settings": Allows to delete the current settings and restore factory settings

## Infotainment



To access the "Infotainment" function, select it by turning and pushing the Rotary Pad or touching the display.

### Audio

This allows you to set the following audio parameters:

- "Bass"
- "Treble"
- "Mid"
- "Balance/Fader"
- "Volume/Speed"
- "Surround sound"
- "Aux Volume Offset"
- "Restore settings"

### Home Page

This allows you to set the following parameters:

- "Screen Off": Allows you to automatically turn off the screen. All functions are still available.
- "Display Brightness": Allows you to adjust the brightness of the display.
- "Widget Reorder": Allows you to change the order of the widgets.

- "Widget Resize": Allows you to change the size of the widget.
- "Widget Content": To view the content of the desired widget.

### Bluetooth®

Allows for devices that have the Bluetooth® function to connect to the system. The possible options are:

- "Add device": Allows you to add a device.
- "Device 01.": Allows you to select the following functions: "Priority Device", "Phone Profile", "Audio Profile", "Personal Data", or "Remove Device".

### Device Manager

This allows you to set the following parameters:

- "Display Mode": This allows you to make the following choices: "Manual" or "Automatic".
- "Display Brightness Day": This allows you to adjust the brightness (to 10 levels) of the display in day conditions.
- "Display Brightness Night": This allows you to adjust the brightness (to 10 levels) of the display in night conditions.

### Entertainment

This allows you to set the following parameters:

- "Traffic Announcement (if equipped)": Allows you to display traffic news. The available options are On and Off and is only available in FM.
- "Screen Off": Allows the screen to be turned off automatically, all functions remain available. Interaction with Rotary Pad turns the screen back on.
- "Display brightness": Allows you to change the brightness on the radio.
- "Seek Mode": Allows you to customize the seek function for the radio.



- "RDS": Allows messages transmitted by the radio broadcaster to be displayed. The options are "On" and "Off".
- "HD Radio™ (if equipped)": Allows you to switch the HD Radio™ function On or Off.
- "SiriusXM®" (if equipped): Displays related SiriusXM® functions.
- "Autoplay": Turn On or Off the automatic playing of tracks stored on a USB.
- "Audio Settings": Allows you to enter the audio menu and set the audio settings.
- "Bluetooth® Settings": Allows you to enter the Bluetooth® menu and change the settings.
- "Restore Entertainment Settings": Allows to delete the current settings and restore factory settings.

### Phone

This allows you to set the following parameters:

- "Screen Off": Allows the screen to be turned off automatically, all functions remain available. Interaction with Rotary Pad turns the screen back on.
- "Display brightness": Allows you to change the brightness on the radio.
- "Split Screen" (if equipped): Allows for a second mode to be displayed within the Phone screen: "Off" (system off), "Audio" (to view audio function parameters), "Nav" (to view navigator function parameters), or "Efficient Drive" (to view fuel consumption reduction parameters, function linked to the Alfa DNA selector).
- "Phone Book": Allows you to set the contacts list order mode.
- "Profile picture": Allows you to link an image to the connected phone.
- "SMS Notification": Allows you to turn on and off the SMS notifications.
- "Bluetooth® settings": Allows you to enter the Bluetooth® menu and set the related parameters.

### Projection Mode

This allows you to do the following:

- Screen Off:** Automatically turns the display off. Press the button again to turn it back on.
- Display Brightness:** Adjust the brightness of the system.
- Device Manager:** Manage external devices connected to the system.

### Navigation — If Equipped

This allows you to set the following parameters:

- "Screen Off": Allows the screen to be turned off automatically, all functions remain available. Interaction with Rotary Pad turns the screen back on.
- "Display brightness": Allows you to change the brightness on the radio.
- "Appearance": Allows you to set the map display mode. The possible options are: "Visualization Options": (the display modes are: "2D", "Aerial View" or "3D with details"); "Map POI" (the available options are: "Select All" and "Select None"); "Route Bar" (the available options are: "Fuel Stations", "Parking", "Stops", "Route Alternatives", "Exits and Junctions", "Rest Areas", "Ferries" and "Toll Booths"); "Color Scheme" (the available options are: "Day"; "Night" and "Auto"); "Motorway Exit Preview" (the available options are: "Activate" and "Deactivate"); "Automatic zoom" (the available options are: "Off", "Speed Dependent" and "Next command").
- "Warnings": Allows you to set the types of warnings to display. The possible options are: "Speed Limit Warning" (the available options are: "On" and "Off"), "Speed camera" (the available options are: "Map", "On map and acoustic" and "Off").

- "Route Planning": Allows you to set a route. The possible options are: "Route Alternatives" (the available options are: "Fastest Route", "Shortest Route", and "Economical Route"), "Route options" (the available options are: "Avoid expressway", "Avoid toll Roads", "Avoid ferry/trains", "Avoid carpool lanes", and "Avoid unpaved roads"), "Fastest route available" (the available options are: "Automatic", "Ask Me" and "Off"), and "Destination input mode" (the available options are: "Address" and "GPS").
- "Navigation Instruction Pop-ups": Allows you to have pop-up notifications with Navigation.
- "Map Update": The available options are: "Current Version" and "Update Map".
- "Restore Navigation Settings": Deletes the current settings and restores the factory settings.

### Performance

The following settings can be modified when this mode is selected:

- "Screen Off" Allows you to automatically turn off the screen. All function are still available.
- "Display Brightness": Changes the brightness of the display.
- "Units": Allows you to select the unit of measurement for the display.
- "Restore Settings": Allows you to delete previous settings from the menu and restore the default.

### Android Auto™/Apple CarPlay®

This allows you to set the following:

- Auto Switch Android Auto™/Apple CarPlay®: This allows you to automatically start app functions.
- Color Scheme: Choose between Day and Night or Audio options.

## Connected Services

This allows you to set the following:

- Screen Off: Automatically turns off the screen. All functions are still available.
- Display brightness: Adjust the brightness of the display.
- Geo-location: Allows Geo-location to be turned on and off.
- Restore Apps: Restores the apps (OK) or not (Cancel) to the manufacturer default.

## System



The following settings can be modified when this mode is selected:

- "Auto-On Radio": Allows you to activate the system upon starting the vehicle.
- "Switch-Off Delay": Enables the system to continue functioning for a certain period after the car has been turned off.
- "Software Update": Allows you to choose between the following options: "Current version" "Update software", or "Restore software".

- "Maps Update": Allows you to choose between the following options: "Current Version" or "Update Map".
- "User's Manual Update": Allows you to update the on radio User's Manual.
- "Clear Personal Data": Allows you to delete all the data that the system stores after connecting a device (e.g. mobile phone, MP3 player, etc.).
- "Restore All Settings": Deletes the previous manual settings and restores the factory settings.

## Map Update Procedure

Proceed as follows to update the Navigation Maps:

1. Start The Engine.
2. With the vehicle not in motion, insert the USB key, containing the map updates, into one of the USB ports.
3. Select "Update Map" from the Update Map function. A screen will display showing the version and duration of time for the update.
4. Select the "Update" function. The display will show a screen with the instructions to be followed and request a confirmation.
5. Confirm the process to start.

During the update, the instructions to be followed will continue to be displayed together with the process progress. You can drive the vehicle during this phase.

## PERFORMANCE PAGES

The "Performance Pages" can be activated by using the appropriate widget on the main menu.



The following information is shown on the main screen of the "Performance Pages":

- "Technical gauges"
- "Consumption history"
- "Efficient Drive"
- "AWD/Engine torque"
- "Torque" (if equipped)
- "Temperatures" (Quadrifoglio version only)
- "Drag Race" (Quadrifoglio version only)
- "Performance content" (if equipped)
- "AWD (All Wheel Drive)" (if equipped)

Turn the Rotary Pad to select the desired item and then push the Rotary Pad to confirm the selection and access the menu or, using the touchscreen function, touch the display to select the desired items.



## TECHNICAL GAUGES

Selecting “Technical Gauges” item, the following screen will appear on the display, on which the information relating to:



1. Engine oil pressure
2. Boost pressure
3. Engine torque value

### NOTE:

The graphic display on the display may change depending on the versions/engines.

The “Technical Gauges” view on the widget can be set to 1/3 or 2/3 view.



## CONSUMPTION HISTORY

Selecting “Consumption History” item, the following screen will appear on the display, on which the information relating to:

- Consumption chart (60 graphic marks per minute)
- DNA information



- 1 – Consumption Chart
- 2 – DNA History

The “Consumption History” view on the widget can be set to 1/3 or 2/3 view.



## Fuel Consumption Chart

Each graphic column shown on the display shows the average “Instantaneous consumption” recorded during the last minute of travel.

The fuel consumption graphic bar is shown on the display, with “n examples” in which the last column represents the last recorded consumption values.

This column will be displayed in a lighter color than the other columns for the oldest fuel consumption values.

## Average Fuel Consumption

The dotted line shown on the graph represents the “Average consumption” value.

## Reset (Consumption Reset)

Select the Reset button on the display to “reset” the consumption values.

Pressing the button on the display will show the message “Reset values?”: selecting “Yes” will perform the reset operation.

## EFFICIENT DRIVE

The Efficient Drive application shows the driving behavior in real time in order to help reaching a more efficient driving style as far as consumption and emissions are concerned.

Driving style is evaluated by means of four items, shown on the display, which monitor the following parameters:

- ecoDrive function index
- Acceleration
- Deceleration
- Shifting



- 1 – ecoDrive
- 2 – Acceleration
- 3 – Deceleration
- 4 – Shifting/Gear

The “Efficient Drive” view on the widget can be set to 1/3 or 2/3 view.



## Efficient Drive Data View

Press the Efficient Drive button to interact with the function.

The display will show a screen containing the four indices described earlier. These indices are gray until the system has enough data to evaluate the driving style.

“Current trip index” refers to the entire value calculated in real time based on the average of the described indices. It represents eco-friendliness of the driving style: from 0 (low) to 100 (high).

In the event of the extended inactivity, the display will show the average of the indices until that moment (the “Average index”), then the indices will be colored again in real time as soon as the vehicle is restarted.

## AWD/ENGINE TORQUE

By selecting the “AWD/Engine Torque” item, a dedicated screen will appear on the display showing information on the engine torque (front/rear) and the inclination percentage (if equipped).

The engine torque is shown on the display by means of arrows and graphic bars.

The length of the arrows varies dynamically according to the distribution of the motor torque between front and rear axles of the vehicle.

Each graphic bar corresponds to 10% of the engine torque.



- 1 – Engine Torque
- 2 – Incline Percentage





1

1 — Engine Torque

The “Engine Torque” view can be set in the widget to 1/3 or 2/3 view.

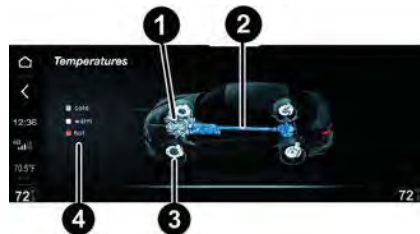


### TEMPERATURES — QUADRIFOGLIO VERSION ONLY

Select “Temperatures” to open the following screen on the display, showing information on:

- Engine temperature
- Carbo ceramic brake (CCB) disc temperature (if equipped)
- Gearbox temperature

The display shows a graphic “key” showing three different temperature levels: “cold”, “normal”, or “hot”.



- 1 — Engine Temperature
- 2 — Gearbox Temperature
- 3 — Carbo Ceramic Brake CCB Disc Temperature
- 4 — Icon Key

### NOTE:

The graphic on the display varies according to the temperature level: “cold” = blue / “normal” = white / “warm” = orange. The “Temperatures” view can be set in the widget to 1/3 or 2/3 view.

### DRAG RACE — QUADRIFOGLIO VERSION ONLY

Select “Drag Race”, the following screen will appear on the display:

- Display “Drag Race” contents
- “RESET” graphic button
- Status display



- 1 — Drag Race Contents
- 2 — RESET Button
- 3 — Status Display

### Displaying “Drag Race” Contents

The “Drag Race” contents are divided into “Current”, “Previous”, and “Best”.

The values listed under “Current” are updated and shown on the display in real time. As soon as the car is stopped, these values will appear under “Previous”.

The values listed under “Best” represent the best performance values stored by the system, until the settings are “reset” by pressing the RESET graphic button.

The values shown on the display are:

- Acceleration “0-60 mph” (“0-100 km/h”)
- Acceleration “0-100 mph” (“0-160 km/h”)
- Acceleration “1/8 mile” (“0-200 m”) (value in seconds)
- Acceleration “1/8 mile” (“0-200 km/h”) (value expressed in mph or km/h)
- Acceleration “1/4 mile” (“0-400 m”) (value expressed in seconds)
- Acceleration “1/4 mile” (“0-400 m”) (value expressed in mph or km/h)
- “Braking distance” (expressed in ft and mph or meters and km/h)
- “Braking from” (“Speed” or “Distance”)

#### NOTE:

The unit of measurement of the values shown on the display depends on what is set in “Units” in the Settings menu.

## Reset (Consumption Reset)

Two graphic “Reset” buttons are shown on the display: “RESET” and “RESET ALL”.

By pressing the RESET button, only the values present under the item “Previous” are reset.

Press the RESET ALL button to reset all values.

Press the buttons on the display to show the “Reset Values” message. Select “Yes” to reset.

## Status Display

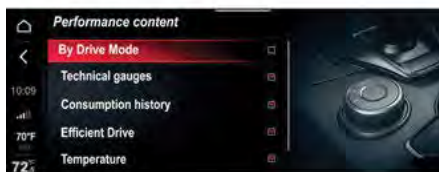
The “status” appears next to each size shown on the display:

- “READY”: This indicates that the system is ready to record the values to the respective size.
- “REC”: This indicates that the system is recognizing the values of the respective size.
- “INCOMPLETE”: This indicates that the recording had been interrupted.

## PERFORMANCE CONTENT — IF EQUIPPED

Select “Performance content” to open the following screen on the display, in which the following items will appear:

- “By Drive Mode
- “Technical Gauges”
- “Consumption History”
- “Efficient Drive”
- “Torque”
- “Temperature”



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There is a box next to each item to activate ✓ or deactivate (empty) the display of the contents related to the selected item on the widget.

You can switch it on/off using the touchscreen function or by turning the Rotary Pad.

## VEHICLE INFORMATION

The "Vehicle Information" function can be activated by using the appropriate widget on the Main menu.



#### NOTE:

The widget cannot be enlarged in the Main menu.

Turn the Rotary Pad to select the widget and then push the Rotary Pad to display its content. The main screen relating to "Vehicle information" will appear.

The main screen shows information about:

- Maintenance (scheduled servicing)
- Tire Pressure Monitoring (TPMS)
- Engine oil level
- Alfa DNA Explorer





To view the contents of the information on the display, press on the display (touchscreen function) or turn the Rotary Pad, select the desired item and then push the Rotary Pad to confirm your selection.

## SERVICE (SCHEDULED SERVICING)

The display shows the miles (or km) and months (or weeks or days) missing until the next service coupon. The “Scheduled Servicing Plan” includes car maintenance at fixed intervals. For further information, please refer to “Scheduled Servicing” in “Servicing And Maintenance” in the Owner’s Manual.



Next Service Mileage

## TIRE PRESSURE MONITORING SYSTEM (TPMS)

The display shows the pressure information for each tire, monitored by the TPMS.

If the inflation pressure corresponds to the correct value, “OK” will appear on the display, otherwise “LOW” will appear.

Press the graphic button on the display to see the screen showing the inflation pressures of each tire.

### Low Tire Pressure Indication

If low pressure is detected in one or more tires, the following screen will appear on the display.



1 — Tire Pressure Display Button



### TPMS Check Message

In the event of system failure, dashes “-” will appear on the display instead of the pressure value to indicate that it cannot be detected.

### ENGINE OIL LEVEL

Press the graphic button on the display to view the oil level inside the engine.



1 — Oil Level Button





## Alfa DNA System

Press the graphic button "dna race" on the display to view information related to the driving mode selected by the Alfa DNA system: Dynamic, Natural, Advanced Efficiency and RACE (Quadrifoglio versions only).

### NOTE:

The graphic display varies according to the trim level of the vehicle.



## OWNER MANUAL

Press the graphic button on the display to browse the Owner's Manual of the car on the display.



1

1 – Owner's Manual Button

## DRIVER ASSISTANCE

The "Driver Assistance" widget is located on the Main menu of the system.

The following submenus are available in the Driver Assistance menu:

- "Safety"
- "Comfort"

Select the two submenus by sliding on the widget upwards or downwards with a finger.

The statuses of the various driver assistance systems on the vehicle are displayed in each menu.



## "SAFETY" SUBMENU

The Safety menu displays information on the following driver assistance systems:

- Forward Collision Warning (FCW) System
- Lane Keeping Assist (LKA) or Lane Departure Warning (LDW)
- Active Blind Spot Alert (ABSA) or Blind Spot Monitoring (BSM)
- Driver Attention Assist (DAA)
- Intelligent Speed Control
- Traffic Sign Recognition
- Speed Limiter
- ParkSense (if equipped)
- Backup Camera
- Automatic High Beams
- Restore Driver Assistance Settings



## Indications On The Display

The driver assistance system status (activated or deactivated) is shown on the display by a graphic "shield" next to the outline of the car.

According to the activated system, the following graphic representations will appear on the display:

- Forward Collision Warning (FCW)
- Lane Keeping Assist (LKA) or Lane Departure Warning (LDW)
- Active Blind Spot Alert (ABSA) or Blind Spot Monitoring (BSM)
- Driver Attention Assist (DAA)



When ALL driver assistance systems are **ACTIVATED**, the following screen will appear on the display:



When ALL driver assistance systems are **DEACTIVATED**, the following screen will appear on the display:



## "COMFORT" SUBMENU

The Comfort menu displays information on the following driver assistance systems:

- Intelligent Speed Control (ISC)
- Traffic Sign Recognition (TSR)
- Speed Limiter
- Park Sensors
- Rearview camera
- Automatic High Beams (AHB)

## Indications On The Display

Each driver assistance system is represented by a corresponding icon on the display.

The status of the function is displayed next to the icon:

- "On" = system activated
- "Off" = system deactivated

Settings are possible on some systems (if activated), (e.g., the speed limit value can be adjusted on the Speed Limiter function).



## SYSTEM SETTINGS

After viewing the Driver Assistance menu in full screen mode, a list of all settings that can be made for driver assistance systems will appear on the display.

The information shown on the display is as follows:

1. System identification icon
2. Graphic button for activating ("ON") and deactivating ("Off") the system
3. Graphic Display area of the system
4. Default system setting (modifiable by the driver)



### "RACE" Driving Mode

The following active driver assistance safety systems will not be available in the RACE driving mode (Quadrifoglio versions only). If any of these systems are selected, a dedicated message will appear on the display:

- Blind Spot Monitoring
- Active Blind Spot Alert
- Lane Departure Warning
- Lane Keeping Assist
- Forward Collision Warning
- Driver Attention Assist
- Intelligent Speed Control
- Traffic Sign Recognition

## SYSTEM ACTIVATION/DEACTIVATION

Using the touchscreen function to proceed as follows:

- Press the display to select the desired item
- Move the graphic button to the right: the display will show the message "ON" (to deactivate, move the graphic button to the left - message "Off") and activate the system.

Using the controls located on the center stack to proceed as follows:

- Turn the Rotary Pad and select the desired item
- Push on Rotary Pad to confirm the choice and activate the system. The selected item will be activated automatically. When the system is activated, push the Rotary Pad to deactivate it.

## Active Blind Spot Assist

This function can be used to select the "readiness" of the Active Blind Spot Assist system, which can actively intervene on the steering wheel if other objects are detected in the blind spot of the exterior mirrors.

The options available are:

- "Mode": Used to set the following operating modes: "Warning and Brake", "Only Warning", and "Off" (where provided).
- "Warning Type": Can be used to set the following operating modes: "Visual and acoustic signal", "Visual and vibration", and "Acoustic and vibration".
- "Sensitivity": This can be used set the "readiness" of the system to intervene, based on the distance from the obstacle (the possible options are "High" and "Low").
- "Strength": This can be used to set the "force" that the system must apply to the steering wheel to warn the driver of the need to keep the car in the lane (the possible options are "High" and "Low").



## Blind Spot Monitoring

This function can be used to set the warning linked to the presence of objects in the door mirror blind spot.

The options available are:

- "Visual and Acoustic": The system warns the driver that an obstacle is present through acoustic (via the speakers in the car) and visual indications using warning lights on the door mirrors.
- "Visual": The system warns the driver that an obstacle is present through warning lights on the doors.
- "Off": System disengaged.

## Lane Departure Warning

This function can be used to select the "readiness" of the Lane Departure Warning system to intervene.

To make this adjustment, select the "Sensitivity" option: the options are "High" and "Low".

## Lane Keeping Assist

This function can be used to select the "readiness" of the Lane Keeping Assist system to intervene.

The options available are:

- "Mode": Used to set the following operating modes: "Warning and Brake", "Only Warning", and "Off" (where provided).
- "Warning Type": Can be used to set the following operating modes: "Visual and acoustic signal", "Visual and vibration", and "Acoustic and vibration".
- "Sensitivity": This can be used set the "readiness" of the system to intervene, based on the distance from the obstacle (the possible options are "High" and "Low").
- "Strength": This can be used to set the "force" that the system must apply to the steering wheel to warn the driver of the need to keep the car in the lane (the possible options are "High" and "Low").

## Forward Collision Warning

This function can be used to select the Forward Collision Warning system intervention method.

The options available are:

- "Status": Allows you to enable/ disable the system (if equipped).
- "Mode": Used to set the following operating modes: "Warning and Brake", "Only Warning", and "Off" (if equipped).
- "Sensitivity": Allows you to set the "readiness" of the system to intervene, based on the distance from the obstacle (the possible options are "Near", "Medium", and "Far").

## Traffic Sign Information

This function can be used to select the Traffic Sign Information system intervention method.

The options available are:

- "Blinking": This can be used to activate ("On") or deactivate ("Off") the flashing of the road sign on the cluster display.
- "Offset": This can be used to set the "delay" of the Traffic Sign Information system signals on the cluster display (from 0 to 5 mph or from 0 to 10 km/h).

## Driver Attention Assist

This function can be used to select the "readiness" of the Driver Attention Assist system to intervene.

The options available are "Standard" and "High".

## Intelligent Speed Control

This function can be used to select the tolerance with which the system sets the speed of the Active Cruise Control device.

To make this adjustment, select the "Speed Offset" option. The threshold is adjustable from  $\pm 1$  to 5 mph (or from  $\pm 1$  to 10 km/h).

## Speed Limiter

This lets you activate/deactivate the function warning that you have exceeded the set speed.

Activate the function on the cluster display to show the speed value.

## ParkSense

This function can be used to select the type of warning provided by the Park Sensors system.

The options available are:

- "Mode": The possible options are: "Sound" - The system notifies the driver of the presence of an obstacle by means of auditory signals only, by means of the speakers in the car, and "Sound and Display" - the system notifies the driver of the presence of an obstacle by means of acoustic signals (by means of the speakers in the car) and visual signals, on the system display.
- "Front Sensors Active in Drive": Allows you to select if the front sensors are active in Drive. The options are "On" and "Off".
- "Audio": Allows you to select the volume of the acoustic signals provided by the ParkSense system, the possible options are "High", "Medium", and "Low".

## Rearview Camera — If Equipped

This function can be used to carry out the following adjustments related to the rearview camera:

- "Active": Lets you activate viewing the video camera on the display.
- "Camera Delay": Allows you to delay switching off the camera by a few seconds when reverse gear is disengaged.
- "Camera Guidelines": Allows you to activate the display of the dynamic guidelines that indicate the route of the car.

## AHB (Automatic High Beam) System — If Equipped

This function can be used to activate/deactivate the automatic high beam headlights.

### SLIDER

For some systems, the setting is adjusted using a Slider which appears on the display.

It is possible to interact on this Slider by using the touchscreen function or by acting on the Rotary Pad.



Using the touchscreen function, proceed as follows:

- Slide your finger on the Slider to the left to DECREASE the value or to the right to INCREASE the value.
- Press the "OK" graphic button to confirm the new value selected will be saved.

Using the controls located on the center stack, proceed as follows:

- Move the Rotary Pad to the left to DECREASE the value or move the Rotary Pad to the right to INCREASE the value.
- Push the Rotary Pad. The new selected value will be stored.

## APPLE CARPLAY® AND ANDROID AUTO™

The Apple CarPlay® and Android Auto™ applications allow you to use your smartphone in the car safely and intuitively.

To enable them, just connect a compatible smartphone via the USB port and the contents of the phone will be automatically shown on the radio system display.

To check the compatibility of your smartphone, refer to the indications on the websites:

[www.android.com/auto/](http://www.android.com/auto/) or <http://www.apple.com/ios/carplay/> for US Residents, or [https://www.android.com/intl/en\\_ca/auto/](https://www.android.com/intl/en_ca/auto/) or <https://www.apple.com/ca/ios/carplay/> for Canadian Residents.

If the smartphone is connected correctly to the car using the USB port, the Apple CarPlay® or Android Auto™ icon will be displayed in the Main menu.

### NOTE:

Interaction with the smartphone may be needed to enable Apple Carplay®/Android Auto™ and some other functions. Complete the action on your device (smartphone) as needed.

To use Apple CarPlay®, connect your iPhone® to the car using an MFI (made for iPhone®) certified USB cable.

To use Android Auto™, connect your smartphone to the car using a USB for Android™ phones having appropriate features. Using unsuitable cables may prevent correct system operation.

### Apple CarPlay® APP SETUP

Apple CarPlay® is compatible with the iPhone® 5 or more recent models, with the iOS 7.1 operating system or later versions.

Before using Apple CarPlay®, enable Siri from the settings on your smartphone.

To use Apple CarPlay®, the smartphone must be connected to the car with a USB cable.

Before the first connection, a pop-up display will appear on the smartphone and conduct the necessary configuration process. This will only occur if the vehicle is not in motion.

### NOTE:

Siri's volume can only be adjusted if the voice recognition is active.

### ANDROID AUTO™ APP SETUP

Before use, download the Android Auto™ application to your smartphone from Google Play Store.

The application is compatible with Android™ 6.0 and later versions.

To use Android Auto™, the smartphone must be connected to the car with a USB cable.

Before the first connection, a pop-up display will appear on the smartphone and conduct the necessary configuration process. This will only occur if the vehicle is not in motion.

### INDICATIONS ON THE DISPLAY

#### Apple CarPlay®

After displaying a pop-up screen, when you connect with an Active Apple CarPlay® application, the Apple CarPlay® app will appear in full screen on the system display. It has graphic buttons which can be pressed to perform the following functions:

1. "Status bar": Displays the icons for the latest apps used.



- With Siri deactivated: Briefly press the button to return to the main screen of the Apple CarPlay® app. Long press to activate Siri.

With Siri activated: Briefly press the button which deactivates Siri. Long press to reactivate Siri.

- Access to the next screen.

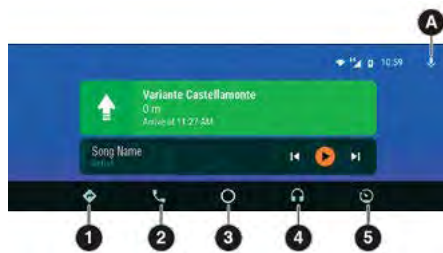


### Android Auto™

The first time you connect a smartphone with Android Auto™ active, you can select the default action for the desired connection mode of your smartphone from the pop-up screen, which appears on the display.

If the option "Android Auto™" is selected, from the following connections onwards, the screen of the Android Auto™ app will be displayed in screen mode. Buttons will be present on the bottom status bar to perform the following functions when pressed:

- Phone Navigator and Maps
- Calls and Contacts
- Homepage
- Music and Audio
- Close and go back to native interface



You can interact with Google Assistant either by pressing the button (A) or by pressing the ? button on the steering wheel.



## USING THE APP

After the setup procedure, or connecting your smartphone to the car's USB port, the application will automatically run on the radio system.

The Rotary Pad can be used to select and confirm the available smartphone functions.

You can interact with the Apple CarPlay® and Android Auto™ voice assistants using the control on the steering wheel (long push of the Voice Recognition Button button to start the interaction and short push to close the voice assistant).

Multimedia contents on the smartphone can be accessed directly through "MEDIA" mode of the radio system.

### Interaction With Voice Control

Android Auto™ and Apple CarPlay® can be interacted with by using Voice Control. Push the button on the steering wheel.



- Long Push:** will activate the voice assistant for Apple® (Siri) or Android™ (Google Assistant).
- Short Push:** will activate the native voice system. A short push will interrupt both the native voice session and that of Siri or Google Assistant.

When the phone's voice assistant is active, the interface will be of that smartphone and not of the vehicle. A short press will interrupt both the native voice session and the smartphone's voice assistant.

### NOTE:

If Apple CarPlay® and Android Auto™ apps are present, Siri voice assistant (for Apple CarPlay®) or Google Assistant (for Android Auto™) will be activated. In this case, you can use "Natural Language" voice controls and not just the specific ones preset for the radio system.

### Active Media Or Phone Mode

The following will be activated after pushing the ? button in the following ways:

- A short push will activate the voice control of the radio system.
- A long push will activate the voice control for the smartphone.

### Active Tuner (Radio) Or Navigation Mode



Briefly push the button on the right side of the steering wheel to activate the voice controls for Radio Mode or Navigation Mode.

## NAVIGATION

With the Apple CarPlay® and Android Auto™ applications, the user can choose to use the navigation system on their smartphone.

You can choose to change the selection at any time by accessing the desired navigation system and setting a new destination.

## CLOSING THE Apple CarPlay® AND ANDROID AUTO™ APPS

With the Apple CarPlay® app active, you can always access the contents of the system by pressing the MENU button.

With the Android Auto™ app you can always access the contents of the system by pressing the MENU button, or select the last item present on the Android Auto™ system and then conform the “Back to Alfa Romeo” item.

To end the Apple CarPlay® or Android Auto™ session, physically disconnect the smartphone from the USB port.

### NOTE:

- Bluetooth® is disabled while Apple CarPlay® or Android Auto™ is being used.
- The data connection will depend on the smartphone coverage plan.
- This information may be subject to changes that depend on the smartphone operating system or the version of the Android Auto™ application.

## ALFA CONNECT — IF EQUIPPED

### INTRODUCTION TO ALFA CONNECT

One of the many benefits of your vehicle's Information and Entertainment System is that you can take advantage of Alfa Connect vehicle services. Alfa Connect delivers advanced connectivity, entertainment, navigation, and communication features.

To unlock the full potential of Alfa Connect in your vehicle, you first need to activate Alfa Connect services.

For additional feature information, please contact:

US Residents: 1-844-796-4827

Canadian Residents: 1-877-324-9091



### WARNING!

ALWAYS obey traffic laws and pay attention to the road. Your complete attention is always required while driving to maintain safe control of your vehicle. Only use and interact with the features and applications when it is safe to do so. Failure to follow these warnings can result in a collision and death or serious personal injury.

### NOTE:

Alfa Connect involves the collection, transmission and use of data from your vehicle.

### What is Alfa Connect?

Alfa Connect uses an embedded device in the Information and Entertainment System installed in your vehicle, which receives GPS signals and communicates with the Customer Care center via wireless and landline communications networks. Alfa Connect is available only on equipped vehicles purchased within the continental United States, Alaska, Hawaii, Puerto Rico and Canada.

### NOTE:

Certain Alfa Connect services are dependent on a properly installed and operational Information and Entertainment System, cellular network availability that is compatible with the device in your vehicle, and GPS network availability. Not all features of Alfa Connect are available everywhere at all times, particularly in remote or enclosed areas. Other factors outside the control of Alfa Connect that may limit or prevent service delivery are hills, structures, buildings, tunnels, weather, damage to the electrical system or other important parts of your vehicle, network congestion, civil disturbances, actions of third parties or the government, Internet failure, and/or the physical location of your vehicle, such as in an underground parking structure or under a bridge.

## GETTING STARTED WITH ALFA CONNECT

### Activating Alfa Connect

To begin using Alfa Connect features, you must activate the services. When you purchase your vehicle, your authorized dealer will walk you through the process of setting up Alfa Connect and obtaining your 1-year included trial of select SiriusXM Guardian™ features.

If you did not set-up Alfa Connect at the dealer, you can still activate services with the following method:

1. Select the Assist button on the touchscreen.
2. Select “Connect Services”.
3. The system will call an agent. They will assist you in setting up your Alfa Connect account.

### Registering Alfa Connect

After Alfa Connect has been activated, you will have to register your account.

1. You will receive a text message and email containing a link. Click the link.
2. You will be directed to page where you can enter your profile information for your Alfa Connect account and complete registration.



To access your Alfa Connect account, visit <https://www.alfaromeoconnect.com/en-us.html> and log in with the user name and password created when registering your account.

#### NOTE:

Available connected services and SiriusXM Guardian™ features will vary by nameplate and radio.

### Downloading The Alfa Connect App



After you have completed registration, download the Alfa Connect app for Apple® and Android™ devices via the Google Play Store or Apple App Store®. To begin using the app:

1. Launch and open the Alfa Connect app from your device's home screen.
2. Log in by entering the user name and password created during registration. You will now have access to the app features.

### ALFA CONNECT FEATURES

#### Standard Features

Alfa Connect includes these standard features:

- **Remote Vehicle Start/Cancel:** Using the Alfa Connect app, you can activate and deactivate remote start.
- **Remote Door Lock/Unlock:** Using the Alfa Connect app, you can lock and unlock your vehicle's doors.

- **Vehicle Finder:** Using the Alfa Connect app, you can locate your vehicle by tapping on the vehicle icon. The horn will sound and a route will show you the quickest way to get to your vehicle.
- **Remote Horn And Lights:** Using the Alfa Connect app, you can sound your vehicle's horn and flash the lights.
- **Smart Watch Connectivity to Alfa Connect App:** You can connect a smart watch to the Alfa Connect app.
- **Assist Call:** Using the touchscreen, you can select "Assist". An agent will be able to help you with registering Alfa Connect and app or remote service questions and issues.
- **Stolen Vehicle Assistance:** If your vehicle is stolen, an Agent can assist local law enforcement with locating it using the vehicle's built-in GPS.
- **4G Wi-Fi Hotspot:** Activate your vehicle's built-in Wi-Fi system. Alfa Connect offers a complimentary three-month trial period that includes 1 GB of data. The trial can be activated any time within the first year if vehicle ownership.
- **Over-The-Air Software Updates:** Your Information and Entertainment System will always be up to date with over-the-air updates.
- **In-Vehicle Notifications:** Your vehicle will send you notifications to remind you when services are needed, or to alert you of other important information, such as recall noticed. When you receive a notification through your touchscreen, press OK to dismiss the message, or press Call Care to speak with an Alfa Connect Customer Care agent.
- **Vehicle Health Alert:** Your vehicle will send you an email alert if it senses a problem with one of your vehicle's key systems.
- **Send & Go:** The Send & Go feature allows you to search for a destination on your mobile device, and then send the route to your vehicle's Navigation system.

## WIRELESS RECHARGING SYSTEM — IF EQUIPPED

### OPERATION

The wireless charger system is activated automatically when a Qi-compatible smartphone is placed on the charging pad in the center stack.



If the smartphone is removed from the charging pad, the charge will immediately be interrupted.

The wireless charger system enables charging when all doors are closed and the engine has been started.



Positioning the smartphone on the charging pad with the smartphone screen facing up, the following messages are shown on the system display to inform the driver about the charging status.

- “Your Phone Is Being Charged” is displayed when the smartphone is positioned correctly on the wireless charging pad, and the system is activated correctly.
- “Phone Fully Charged” is displayed when the smartphone has completely charged its battery.
- “Object Not Allowed” is displayed when a phone that is not enabled for wireless charging or any other object is placed on the pad.
- “Unavailable System” is displayed when there is a malfunction in the wireless charging system.

The driver can deactivate the messages in the Radio System menus.

## VOICE CONTROLS

### INTRODUCTION



#### WARNING!

Always drive safely with your hands on the steering wheel and obey all applicable laws. You have full responsibility and assume all risks related to the use of the features and applications in this vehicle. Only use the features and applications in this vehicle when it is safe to do so. Failure to do so may result in an accident involving in serious injury or death.

Most of the navigation, radio, multimedia and phone actions can be activated using the voice system instead of the Rotary Pad.

For example, to make a phone call, you can say “dial number” followed by the number: “dial number 555-123-4567”.

In addition to being practical and fast, this method increases safety because it allows you to keep both hands on the wheel during the interaction and reduces distractions while driving. The voice system will perform the required operations and, if required, will answer or confirm using a synthesized voice.

The system can recognize the voice commands given, regardless of gender, tone of voice, and intonation of the person uttering them.

Please follow the suggestions to be sure that the voice commands are always recognized by the system:


- Speak with normal volume and speed
- For optimum operation, it is advisable to close the windows to reduce noise and avoid sources of external interference

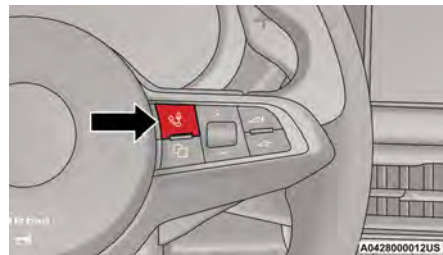
*Before speaking:*

- Always wait for the sound which indicates the beginning of the voice session
- Reduce noise inside the passenger compartment as much as possible
- Ask passengers not to talk. The system can recognize commands regardless of the person uttering them. If several people talk at the same time the superimposition can create confusion and cause different or additional commands to be recognized

It is important to remember that some functions which can be executed by means of voice control may not be available until synchronization between the system and external devices is completed (e.g. phonebook of phones paired via Bluetooth®, archive of MP3 tracks on USB devices). Synchronization may take from a few seconds to a few minutes according to the amount of data.

## ACTIVATING/DEACTIVATION VOICE SESSIONS

To activate the voice system, push the  button on the steering wheel.



Voice Recognition Button


To ensure better control reception by the system, it is recommended to talk towards one of the two microphones.



Microphone Locations




### Starting A Voice Session

To start a voice session, push the  button once.

### Interrupting A Voice Session

At any time during the voice session (dialogue), you may push the button again to restart the session and give a new command, regardless of the previous dialogue.

For example, if the system is giving a help voice message and you recognize the desired command, it may be useful to interrupt the help message by pushing the  button and giving the command, so you don't have to wait until the end of the help message.

### Deactivating A Voice Session





If you briefly push the button (for a few seconds), the current voice session will automatically close when a command has been recognized and no further actions are required by the driver.

A phone call will also interrupt the voice session, in order to allow you to answer and speak normally using the speakerphone.

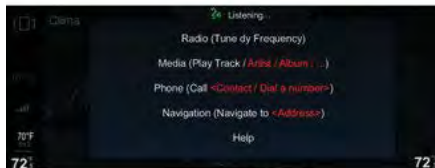
## VOICE SESSION STATUS

After a voice session has been opened, the system shows its status through an icon on the display and an acoustic signal.

There are four possible statuses:

- Green  icon: The system is listening — You can say a command
- Yellow  icon: The system is processing the command — Wait for the voice response or for the execution of the command
- Gray  icon: The system has processed the command and is giving the voice response or other response
- Red  icon: A problem has occurred with understanding the command. In a few seconds, the icon will turn back to green and you will be able to repeat the command or give a new command

Short text next to the icon provides information on the processing status or on the system response to the command.



### Voice Commands

## MULTIPLE CHOICE LIST

In some cases, the system may find multiple responses to the requested action. When that happens, the display shows a list of the possible alternatives. Just say the number of the desired item or, if the command did not provide the desired response, say "Edit" to go back.

For example, the command "Call John" could receive as a response a multiple choice list containing:

- John Doe
- John Smith
- John Roe

When these lists are open, you can make your choice also by using the Rotary Pad.

## VOICE COMMANDS — PRACTICAL USE

Voice commands can be used for most functions of the main applications of the radio system ("RADIO", "MEDIA", "NAVIGATION", and "PHONE").

Voice commands may be simple instructions, such as "Help", "Show contacts", or instructions with a variable part according to the phonebook, connected devices, available radio stations or navigation addresses. For example, commands with variables are: "tune to 95.6", and "Navigate to 221B, Baker Street, London".

Complex instructions can be imparted also with a simple control which starts a two-step dialogue in which the system will ask to specify the variable in the second step ("step by step" method).

For example, if you use the "Call" command you will be prompted to specify the number to be called or if you use the "Play Album" (or "Genre"/"Composer"/"Artist"/"Playlist"/"Song") you will be asked to say the title of the album (or genre/composer, etc.).

A help will appear on the screen suggesting the most common commands for the current application and the main command for the other applications if a voice session is opened and either no command is uttered or the command is not understood.

To access detailed help, say "Help" and follow the instructions.

The system can understand a number of synonyms for each command. For instance, you can say "play track" or "play song"; or you can say "show contacts" or "view contacts" or "contact list".

The following charts show the main word for each command.

## RADIO AM/FM/XM VOICE COMMANDS

Control	Parameter	Example/variable
TUNE	TO STATION	Radio 24
	TO FREQUENCY	97.6 FM
ADD	TO FAVORITES	
SHOW	FAVORITE STATIONS	
	AVAILABLE STATIONS	
FM		
AM		
SiriusXM®*		
Radio Controls	Go To Radio	
	Tune — To Satellite Channel	
	Play — Genre Of Satellite Radio	

\* According to the country and the versions.



## MEDIA VOICE COMMANDS

Control	Parameter
SHOW/PLAY	ALBUMS ARTIST COMPOSER GENRE PLAYLIST
PLAY	SONG
PLAY ALL	-
VIEW ALL ENABLE/DISABLE SHUFFLE	ALBUMS ARTISTS COMPOSERS GENRES PLAYLISTS
GO TO...	AUX USB 1 USB 2 BLUETOOTH®

**NOTE:**

These controls are valid on devices connected to the system via USB ports and not through the Bluetooth® system.

## NAVIGATION VOICE COMMANDS

Control	Parameter	Example/variable
NAVIGATION	-	
NAVIGATION CONTROLS	-	
FAVORITE	MOTHER ( <i>previously set address</i> )	
DRIVE TO	HOME ( <i>previously set address</i> )	
SET	2D MAP	
	DETAILED 3D MAP	
	TOP VIEW	
START / STOP	NAVIGATION	
REPEAT INSTRUCTIONS		
SHOW MAP		
FIND NEAREST...		Hospital
ENTER CITY		
ENTER COUNTRY		
ENTER STREET		
ENTER STREET NUMBER		
ROUTE PREVIEW		
FIND CLOSEST POINT OF INTEREST		

The command "Enter country" is also available and it starts a step-by-step interaction to add the navigation address by specifying city, street, street number. If the country has already been entered, you can use "enter city" and if this has already been entered, use directly the command "Enter street".



## PHONE VOICE COMMANDS

Control	Parameter	Example/variable
PHONE	-	
PHONE COMMANDS	-	
DIAL	-	5 8 6 7 2 4 3 5 7 3*
CALL	-	John Smith
SHOW	CONTACTS	
CALL BACK		
MISSED CALLS	MISSED CALLS	
	ALL CALLS	
SEARCH	-	John Smith
ALL CALLS		
SEND MESSAGE		
SEND MESSAGE TO		

\* Phone numbers must be pronounced one digit at a time: for example 586 724 3573 will be pronounced as: "five eight six seven two four three five seven three".

## GENERAL INFORMATION

The following regulatory statement applies to all Radio Frequency (RF) devices equipped in this vehicle:

This device complies with Part 15 of the FCC Rules and with Innovation, Science and Economic Development Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

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

Le présent appareil est conforme aux CNR d'Innovation, Science and Economic Development applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. l'appareil ne doit pas produire de brouillage, et
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

La operación de este equipo está sujeta a las siguientes dos condiciones:

1. es posible que este equipo o dispositivo no cause interferencia perjudicial y
2. este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

## RF Exposure Requirements

To comply with FCC RF exposure compliance requirements, the device must be installed and operated to provide a separation distance of at least 8 inches (20 cm) from all persons.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 8 inches (20 cm) between the radiator and your body.

### NOTE:

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

### Déclaration d'exposition aux radiations

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps

**REMARQUE:** Des changements ou des modifications n'ayant pas été expressément approuvés par la partie responsable de la conformité pourraient révoquer l'autorisation d'utilisation de l'équipement.



This very important section describes the safety systems that your vehicle may be equipped with, and provides instructions on how to use them correctly.

## ACTIVE SAFETY SYSTEMS

The vehicle may be equipped with the following active safety devices:

- Anti-Lock Brake System (ABS)
- Active Torque Vectoring (ATV)
- Dynamic Steering Torque (DST)
- Drive Train Control (DTC)
- Electronic Stability Control (ESC)
- Hill Start Assist (HSA)
- Panic Brake Assist (PBA)
- Traction Control System (TCS)

For the operation of the systems, see the following pages.

### ANTI-LOCK BRAKE SYSTEM (ABS)

An integral part of the braking system, the ABS prevents one or more wheels from locking and slipping in all road surface conditions, regardless of the intensity of the braking action. The system ensures that the vehicle can be controlled even during emergency braking, allowing the driver to optimize stopping distances.

The system intervenes during braking when the wheels are about to lock, typically in emergency braking or low-grip conditions where locking may be more frequent.

The system also improves control and stability of the vehicle when braking on a surface where the grip of the left and right wheels varies, such as in a corner.

The Electronic Braking Force Distribution (EBD) system works with the ABS, allowing the brake force to be distributed between the front and rear wheels.

### System Intervention

The ABS equipped on this vehicle is provided with the "Brake-by-wire" (Integrated Brake System – IBS) function. With this system, the command given by pressing the brake pedal is not transmitted hydraulically, but electrically. Therefore, the light pulsation that is felt on the pedal with the traditional system is no longer noticeable.



#### WARNING!

- The ABS contains sophisticated electronic equipment that may be susceptible to interference caused by improperly installed or high output radio transmitting equipment. This interference can cause possible loss of anti-lock braking capability. Installation of such equipment should be performed by qualified professionals.
- Pumping of the Anti-Lock Brakes will diminish their effectiveness and may lead to a collision. Pumping makes the stopping distance longer. Just press firmly on your brake pedal when you need to slow down or stop.
- The ABS cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase braking or steering efficiency beyond that afforded by the condition of the vehicle brakes and tires or the traction afforded.
- The ABS cannot prevent collisions, including those resulting from excessive speed in turns, following another vehicle too closely, or hydroplaning.
- The capabilities of an ABS equipped vehicle must never be exploited in a reckless or dangerous manner that could jeopardize the user's safety or the safety of others.

### ACTIVE TORQUE VECTORING (ATV) — IF EQUIPPED

The dynamic drive control is used to optimize and balance the drive torque between the wheels of the same axles. The ATV system improves the grip in turns, sending more drive torque to the external wheel.

Given that, in a turn, the external wheels of the car travel more than the internal ones and therefore turn faster, sending a higher thrust to the external rear wheel allows for the car to be more stable and to not suffer an "understeer" condition. Understeer occurs when the vehicle is turning less than appropriate for the steering wheel position.

### DYNAMIC STEERING TORQUE (DST)

DST uses the integration of the Electronic Stability Control (ESC) system with the electric power steering to increase the safety level of the whole vehicle.

In critical situations (braking on surfaces with different grip conditions), the ESC system controls the steering through the DST function to implement an additional torque contribution on the steering wheel in order to suggest the most correct maneuver to the driver.

The coordinated action of the brakes and steering increases the sensation of safety and control of the vehicle.

#### NOTE:

The DST feature is only meant to help the driver realize the correct course of action through small torques on the steering wheel, which means the effectiveness of the DST feature is highly dependent on the driver's sensitivity and overall reaction to the applied torque. It is very important to realize that this feature will not steer the vehicle, meaning the driver is still responsible for steering the vehicle.



## DRIVE TRAIN CONTROL (DTC) SYSTEM — IF EQUIPPED

Some models of this vehicle are equipped with an All-Wheel Drive (AWD) system, which offers an optimal drive for countless driving conditions and road surfaces. The system reduces the slipping of the tires to a minimum, automatically redistributing the torque to the front and rear wheels as needed.

To maximize fuel savings, the vehicle with AWD automatically passes to Rear-Wheel Drive (RWD) when the road and environmental conditions are such that they wouldn't cause the tires to slip. When the road and environmental conditions require better traction, the vehicle automatically goes to AWD mode.

### NOTE:

If the system failure symbol switches on, after starting the engine or while driving, it means that the AWD system is not working properly. If the warning message activates frequently, it is recommended to carry out the maintenance operations.

## ELECTRONIC STABILITY CONTROL (ESC)

The ESC system improves the directional control and stability of the vehicle in various driving conditions.

The ESC system corrects the vehicle's understeer and oversteer, distributing the brake force on the appropriate wheels. The torque supplied by the engine can also be reduced in order to maintain control of the vehicle.

- *Oversteer* occurs when the vehicle is turning more than it should according to the angle of the steering wheel.
- *Understeer* occurs when the vehicle is turning less than it should according to the angle of the steering wheel.

The ESC system uses sensors installed on the vehicle to determine the path that the driver intends to follow and compares it with the vehicle's effective path. When the real path deviates from the desired path, the ESC system intervenes to counteract these conditions.

### System Intervention

The intervention of the system is indicated by the flashing of the ESC Warning Light on the instrument panel, to inform the driver that the vehicle stability and grip are critical.



### WARNING!

- Electronic Stability Control (ESC) cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase the traction afforded by prevailing road conditions. ESC cannot prevent accidents, including those resulting from excessive speed in turns, driving on very slippery surfaces, or hydroplaning. ESC also cannot prevent accidents resulting from loss of vehicle control due to inappropriate driver input for the conditions. Only a safe, attentive, and skillful driver can prevent accidents. The capabilities of an ESC equipped vehicle must never be exploited in a reckless or dangerous manner which could jeopardize the user's safety or the safety of others.

*(Continued)*



### WARNING!

- Vehicle modifications, or failure to properly maintain your vehicle, may change the handling characteristics of your vehicle, and may negatively affect the performance of the ESC system. Changes to the steering system, suspension, braking system, tire type and size or wheel size may adversely affect ESC performance. Improperly inflated and unevenly worn tires may also degrade ESC performance. Any vehicle modification or poor vehicle maintenance that reduces the effectiveness of the ESC system can increase the risk of loss of vehicle control, vehicle rollover, personal injury and death.

## HILL START ASSIST (HSA)

This is an integral part of the ESC system and facilitates starting on slopes, activating automatically in the following cases:

- Uphill: vehicle stationary on a road with a gradient higher than 5%, engine running, brake pressed and transmission in NEUTRAL (N) or gear other than REVERSE (R) engaged.
- Downhill: vehicle stationary on a road with a gradient higher than 5%, engine running, brake pressed and REVERSE gear engaged.

When starting to move forward from a complete stop, the ESC system control unit maintains the braking pressure on the wheels until the engine torque necessary for starting is reached, or in any case for a maximum of two seconds, allowing your right foot to be moved easily from the brake pedal to the accelerator.



The system will automatically deactivate after two seconds without starting, gradually releasing the braking pressure. During this release stage, it is possible to hear a typical mechanical brake release noise, indicating the imminent movement of the vehicle.



### WARNING!

There may be situations where the Hill Start Assist (HSA) will not activate and slight rolling may occur, such as on minor hills or with a loaded vehicle, or while pulling a trailer. HSA is not a substitute for active driving involvement. It is always the driver's responsibility to be attentive to distance to other vehicles, people, and objects, and most importantly brake operation to ensure safe operation of the vehicle under all road conditions. Your complete attention is always required while driving to maintain safe control of your vehicle. Failure to follow these warnings can result in a collision or serious personal injury.

## PANIC BRAKE ASSIST (PBA)

The PBA system is designed to improve the vehicle's braking capacity during emergency braking.

The system detects emergency braking by monitoring the speed and force with which the brake pedal is pressed, and consequently applies the optimal brake pressure. This can reduce the braking distance; the PBA system therefore complements the ABS.

Maximum assistance from the PBA system is obtained by pressing the brake pedal very quickly. In addition, the brake pedal should be pressed continuously during braking, avoiding intermittent presses, to get the most out of the system. Do not reduce pressure on the brake pedal until braking is no longer necessary.

The PBA system is deactivated when the brake pedal is released.



### WARNING!

The Panic Brake Assist (PBA) cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase the traction afforded by prevailing road conditions. PBA cannot prevent collisions, including those resulting from excessive speed in turns, driving on very slippery surfaces, or hydroplaning. The capabilities of a PBA-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)

The TCS automatically operates in the event of slipping, loss of grip on wet roads (hydroplaning), and acceleration on one or both drive wheels on roads that are slippery, snowy, icy, etc. Depending on the slipping conditions, two different control systems are activated:

- If the slipping involves both drive wheels, the system intervenes, reducing the power transmitted by the engine.
- If the slipping only involves one of the drive wheels, the Brake Limited Differential (BLD) function is activated, automatically braking the wheel which is slipping (the behavior of a self-locking differential is simulated). This will increase the engine torque transferred to the wheel which isn't slipping.

### System Intervention

The intervention of the system is indicated by the flashing of the ESC Warning Light on the instrument panel, to inform the driver that the vehicle stability and grip are critical.

## AUXILIARY DRIVING SYSTEMS

The following auxiliary driving systems are available in this vehicle:

- Forward Collision Warning (FCW)
- Tire Pressure Monitoring System (TPMS)
- Driver Attention Assist (DAA)

The vehicle may also be fitted with the following driving assistance systems:

- Blind Spot Monitoring (BSM)
- Active Blind Spot Assist (ABSA)
- Lane Departure Warning (LDW)
- Lane Keeping Assist (LKA)
- Highway Assist System (HAS)
- Traffic Jam Assist (TJA)
- Adaptive Cruise Control (ACC)
- Intelligent Speed Control (ISC)
- Traffic Sign Recognition (TSR)

For the operation of the LDW, LKA, HAS, TJA, ACC, ISC, or TSR systems, see page 85.

### NOTE:

When driving on two-way roads where there is no lane dividing center line (e.g. on unpaved roads), the use of the Active Blind Spot Assist (ABSA), HAS, TJA, and LKA systems is strongly discouraged as the system could detect the entire road as single-lane dividing lines.

### NOTE:

The driving assistance systems are designed to aid in driving the car. The driver must always maintain a sufficient level of attention to the traffic and road conditions and control the trajectory of the car.

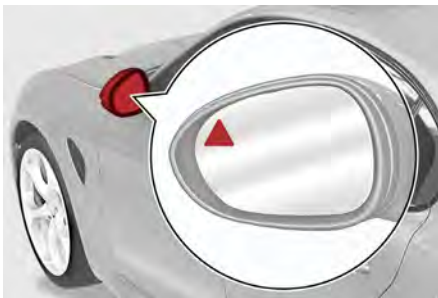
## BLIND SPOT MONITORING (BSM) SYSTEM — IF EQUIPPED

The BSM system uses two radar sensors, located in the rear fascia/bumper (one on each side), to detect the presence of other vehicles in the rear side blind spots of your vehicle.



Rear Sensor Location

The system warns the driver about the presence of other vehicles in the detection area by illuminating the BSM Warning Light located within the door mirror on the side in which the other vehicle was detected. If equipped, an audible chime will also be heard to alert the driver (if option is selected within the radio system).



BSM Indicator Light

When the engine is started, the warning light illuminates briefly to signal the driver that the system is active.

### Sensors

The sensors are activated when any forward gear is engaged at a speed higher than approximately 6 mph (10 km/h).

The sensors are temporarily deactivated when the vehicle is stationary or the vehicle is in PARK.

The detection area of the system covers approximately one lane on both sides of the vehicle.

This area begins from the door mirror and extends for approximately 19 ft (6 m) towards the rear part of the vehicle.

When the sensors are active, the system monitors the detection areas on both sides of the vehicle and warns the driver about the possible presence of vehicles in these areas.

While driving, the system monitors the detection zone to check whether it is necessary to send a signal to the driver on both sides. The system monitors this detection zone in three different situations:

- When you are being overtaken by a vehicle.
- When you are overtaking a vehicle.
- When a vehicle approaches from the side.

### NOTE:

- The system does not alert the driver of the presence of fixed objects (e.g. safety barriers, poles, walls, etc.). However, in some circumstances, the system may activate in the presence of these objects. This is normal and does not indicate a system malfunction.
- The system does not alert the driver about the presence of vehicles coming from the opposite direction, in the adjacent lanes.
- If a trailer is hitched to the car, the system automatically deactivates.



### WARNING!

The Blind Spot Monitoring system is only an aid to help detect objects in the blind spot zones. The BSM system is not designed to detect pedestrians, bicyclists, or animals. Even if your vehicle is equipped with the BSM system, always check your vehicle's mirrors, glance over your shoulder, and use your turn signal before changing lanes. Failure to do so can result in serious injury or death.



**Rear View**

The system detects vehicles coming from the rear part of your vehicle on both sides and entering the rear detection area with a difference in speed of less than 25 mph (40 km/h) in relation to your vehicle.

**Overtaking Vehicles**

If another vehicle is overtaken slowly, with a difference in speed of less than 15 mph (25 km/h) and the vehicle stays in the blind spot for approximately 1.5 seconds, the warning light on the door mirror on the corresponding side illuminates.

If the difference in speed between the two vehicles is greater than 15 mph (25 km/h), the warning light does not illuminate → page 316.

**Rear Cross Path Detection (RCP) System**

The RCP system assists the driver during reverse maneuvers in the case of reduced visibility.

The RCP system monitors the rear detection areas on both sides of the vehicle to detect objects moving toward the sides of the vehicle, with a minimum speed between 1 mph (1 km/h) and 2 mph (3 km/h) and objects moving at a maximum speed of 21 mph (35 km/h), in areas such as parking lots.

The system activation is signaled to the driver by an audible warning.

**NOTE:**

- If the sensors are covered by objects or vehicles, the system may not work as intended.
- For the system to operate correctly, the rear fascia/bumper area where the radar sensors are located must stay free from snow, ice and dirt gathered from the road surface.
- Do not cover the rear fascia/bumper area where the radar sensors are located with any object (e.g. adhesives, bike rack, etc.).

**WARNING!**

Rear Cross Path Detection (RCP) is not a back up aid system. It is intended to be used to help a driver detect an oncoming vehicle in a parking lot situation. Drivers must be careful when backing up, even when using RCP. Always check carefully behind your vehicle, look behind you, and be sure to check for pedestrians, animals, other vehicles, obstructions, and blind spots before backing up. Failure to do so can result in serious injury or death.

**Operating Mode**

The system may be activated/deactivated via the radio system. To access the function, select the following items on the main menu in sequence:

1. "Settings"
2. "Passive Safety"
3. "Blind Spot Alert"

**"Blind Spot Alert", "Visual" Mode**

When the system is enabled, the warning light within the door mirror on the side of the detected object illuminates.

The visual warning on the mirror will blink if the driver activates the turn signals, indicating a lane change.

The warning light will be constant if the driver stays in the same lane.

**"Blind Spot Alert" Function Deactivation**

When the system is deactivated ("Blind Spot Alert" mode off), the BSM or RCP systems will not emit an audible or a visual warning.

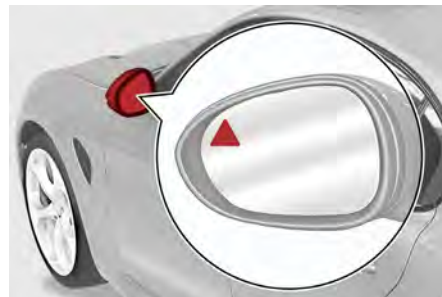
The BSM system will store the operating mode that was active when the engine was stopped. Each time the engine is started, the operating mode stored previously will be recalled and used.

**ACTIVE BLIND SPOT ASSIST (ABSA) SYSTEM  
— IF EQUIPPED**

The Active Blind Spot Assist (ABSA) system function is to help avoid/limit lateral collisions with cars located in the blind spot zones, even changing the vehicle's trajectory in order to keep it in the detected lane.

The system warns the driver about the presence of other vehicles in the detection area by illuminating the warning light located within the door mirror on the side in which the other vehicle was detected. The system will also provide an acoustic signal and/or vibration on the steering wheel and/or counter-steering torque on the steering wheel (if the respective item on the "Driver Assistance" menu is set up and "Safety" is selected on the radio system).

When the engine is started, the warning light illuminates briefly to signal the driver that the system is active (the warning light comes on even if the system is activated through the radio system menu).

**ABSA Indicator Light**



## WARNING!

- The accident risk persists despite the application of torque to the steering wheel by the ABSA system.
- Applying a torque that corrects the steering wheel alignment does not always prevent an accident. It is always the driver's responsibility to steer, brake or accelerate, especially after the ABSA system warning or after the steering wheel torque intervention. The driver is responsible for ensuring that there are no pedestrians, other vehicles or objects in the path of the vehicle. Failure to comply with these precautions may cause serious accidents and injuries. The driver is fully responsible for holding a safe distance from the vehicle ahead respecting the highway code in force in the respective country.
- In some cases, the system could apply an improper torque to the steering wheel. This application can be interrupted at anytime turning the steering wheel in the opposite direction.

### Sensors

The system uses two radar sensors, located in the rear fascia/bumper (one for each side) to detect the presence of vehicles (cars, trucks, motorbikes, etc.) in the rear side blind spots of the car.

The sensors are activated when any forward gear is engaged at a speed higher than about 6 mph (10 km/h), or when REVERSE (R) is engaged.

The sensors are temporarily deactivated when the car is stationary and in PARK (P).

The detection area of the system covers about a lane on both sides of the car around 10 ft (3 m).

This area begins from the door mirror and extends for about 20 ft (6 m) towards the rear part of the car.

When the sensors are active the system monitors the detection areas on both sides of the car and warns the driver about the possible presence of cars in these areas.



Rear Sensor Location

While driving, the system monitors the detection zone in three different situations, to check if it is necessary to intervene in order to keep the vehicle inside the lane on both sides.

- When you are being overtaken by a vehicle;
- When you are overtaking a vehicle;
- When a vehicle approaches from the side;

### NOTE:

The system does not signal the presence of fixed objects (e.g. safety barriers, poles, walls, etc.). However, in some circumstances, the system may activate in the presence of these objects. This is normal and does not indicate a system malfunction.

The system does not warn the driver about the presence of cars coming from the opposite direction, in the adjacent lanes.

### Activation/Deactivation

The system can be activated/deactivated using the "Driver Assistance" menu in the radio system. Select signal type, strength levels and sensitivity.

### NOTE:

Vehicles with an active system will display the following screen, on the radio system.



ABSA Menu Screen

### System Intervention

The system intervenes in the following conditions:

- The direction indicators have been turned on;
- There is a vehicle in the adjacent lane on the same side of the direction indicator (blind spot area);
- Lane lines are not correctly detected;
- The driver tries to change lanes unintentionally.

If the system detects the presence of a vehicle in the rear side blind spots of the car, it applies a torque on the steering wheel (if it has been set through the "Settings" menu of the radio system), in order to warn the driver of the need to keep the car inside the lane and thus avoid collisions with other vehicles.



The application of torque and vibration is however only available with car speed between 37 mph (60 km/h) and 110 mph (180 km/h).

The application of torque, as well as of the vibration, is suppressed/inhibited if:

- The torque given by the driver of the steering wheel is high
- Lateral acceleration is high
- The trailer is not connected to the correct control module
- At least one hand is not detected on the steering wheel for longer than a specific time
- The turn signal is turned off

#### NOTE:

The steering wheel torque is not applied if the system is unable to detect a lane and if the direction indicator for the appropriate side has not been switched on.

The steering wheel detects the presence of the driver's hands by a capacitive sensor installed in the steering wheel and by the applied torque measured on the steering column.

#### System Availability

Aggressive driving of the car, or driving on the median lines, will prevent the correct operation of the system.

In case of intervention of the stability and braking systems (FCW, ESC, ABS) they will prevent the system from operating.

Lane change will disable the system for a certain period of time.

The road must also comply with some specific characteristics, such as:

- Maximum/minimum lane width.
- Clearly identified and defined double yellow lines and, for a limited period of time, a lane with a single demarcation line.

#### NOTE:

In some cases, for a limited period of time, the system may be activated by a lane with a single median line.

In cases of good road surface conditions, the system could correctly recognize other types of valid lane markings (e.g. road edges, sidewalks, etc.).

#### Hand Presence On The Steering Wheel Detection

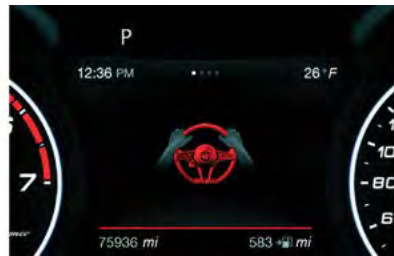
The system is able to detect the presence of the driver's hands on the steering wheel.

When the system does not detect the presence of hands on the steering wheel for zero to six seconds, the following screen will be displayed on the instrument cluster display. No acoustic warning will be emitted in this case.



**Hand Presence On The Steering Wheel Not Detected Display (Up To Six Seconds)**

When the system does not detect the presence of hands on the steering wheel from 6 to 15 seconds, the following screen will be displayed on the instrument cluster display. A short acoustic signal will sound if hands are not detected on the steering wheel for 6 to 12 seconds. A continuous signal will sound if hands are not detected on the steering wheel for 12 to 15 seconds.



**Hand Presence On The Steering Wheel Not Detected Display (6 To 15 Seconds)**

After 15 seconds with the hands removed from the steering wheel, the LKA system will be deactivated and a dedicated message will be shown on the instrument cluster display. A short acoustic signal will sound in this case.

In any of the previous situations where the hands are removed from the steering wheel for more than six seconds, it is necessary to reposition the hands on the steering wheel.

#### Changing The System Sensitivity

The system's sensitivity can be set through the radio system in the "Driver Assistance" menu and then selecting "Comfort". Sensitivity "High" or "Low" can be selected.

#### Rear Cross Path Detection (RCP) System

The Rear Cross Path Detection (RCP) system assists the driver during reverse maneuvers in the case of reduced visibility.

When the ABSA system is active, the RCP system monitors the rear detection areas on both sides of the vehicle to detect objects moving towards the sides of the vehicle at a minimum speed between 0.6 mph and 2 mph (1 km/h and 3 km/h) to objects moving at a maximum speed of 22 mph (35 km/h).

These are generally occurrences that happen in parking areas.

The system activation is signaled to the driver by means of a visual and audible warning.

#### NOTE:

If the sensors are covered by objects or vehicles, the system may not work as intended.

#### Changing The System Sensitivity

To change the sensitivity and the strength of the torque intervention on the steering wheel, refer to the Information and Entertainment System Owner's Manual Supplement.

## DRIVER ATTENTION ASSIST (DAA) SYSTEM — IF EQUIPPED

The Driver Attention Assist (DAA) system detects when the driver is feeling fatigued and warns the driver to pull over and take a break.

### To Activate/Deactivate

The DAA system can be activated and deactivated through the radio system by selecting the following in order:

1. "Driver Assistance"
2. "Driver Attention Assist"



### WARNING!

The DAA system is an aid for driving and does not relieve the driver of the responsibility of driving the vehicle. Always drive alert and get plenty of rest before driving. If you experience fatigue while driving, do not wait for the DAA to intervene with a warning. Choose a safe and secure location where you can pull over safely for a break. Only return to the road when you are in the right physical and mental condition to prevent endangering yourself and others.

### System Intervention

Using information from the front camera, the system implements two operating logics:

- The first operating logic takes the driving style into account, observing the road and detecting to what extent the driver can continue driving with few lane crossing events.
- The second operating logic measures the time spent behind the wheel with the vehicle speed above 40 mph (60 km/h) and below 110 mph (180 km/h). If the "Standard" option is selected, in these conditions, the "Dozy Driver" message may appear after three hours of driving. If the "Early" option is selected and these conditions occur, the "Dozy Driver" message will be displayed after two hours of driving.

### NOTE:

If the conditions described previously are not detected continuously during the entire driving period, the "Dozy Driver" message may be displayed later than two or three hours. If the driving style indicates that the driver is unable to follow the road trajectory and respect the horizontal lane markings, the red symbol will appear on the instrument cluster display to suggest that the driver should stop for a break. An audible signal will also sound.

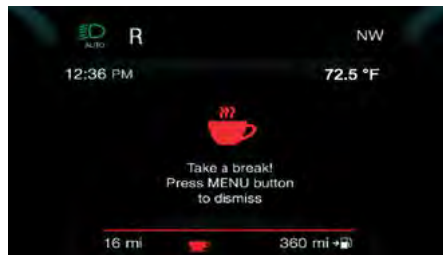
If the driver **accepts** the suggestion provided by the system by pushing the MENU button on the multifunction lever, the message will disappear from the display and the symbol will be displayed in the dedicated area of the instrument cluster display until the next engine shutdown.

If the driver **ignores** the warning provided by the system and does not stop, the message will continue to remain on the display, along with the symbol.

### NOTE:

- In the event of a DAA system failure, an amber symbol will appear in the instrument cluster display along with a dedicated message.
- If the ABS activates, "ABS ACTIVE" will display in place of the DAA symbol and will remain active until the ABS deactivates.





DAA Warning Message



DAA Warning Icon

### Changing The System Sensitivity

The DAA system intervention sensitivity can be adjusted through the radio system within the “Driver Assistance” menu.

#### NOTE:

- If “Race” mode (if equipped) is activated, the DAA system will be automatically deactivated.
- The system sensitivity cannot be changed in the event of a camera system failure.

## FORWARD COLLISION WARNING PLUS (FCW+) SYSTEM — IF EQUIPPED

This is a driving assistance system composed of a radar located behind the front fascia/bumper and a camera located in the center of the windshield.



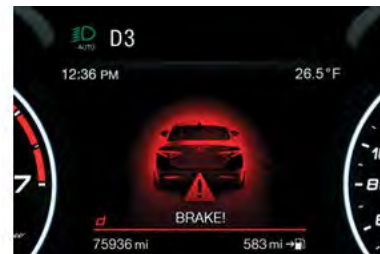
Front Fascia/Bumper Radar Location



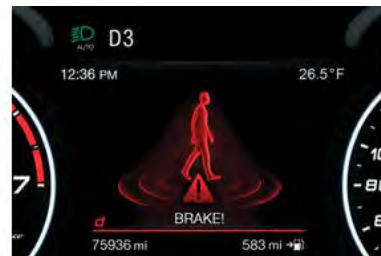
Windshield Camera Location

In the event of an imminent collision, the system intervenes by automatically applying the vehicle’s brakes to prevent a the collision or reduce its effects.

The system provides the driver with audible and visual signals through specific messages on the instrument cluster display.



Vehicle Brake Screen



Pedestrian Brake Screen

The system may lightly brake to warn the driver if a potential front end collision is detected (limited braking). Signals and limited braking are intended to allow the driver time to intervene.



In situations with the risk of collision, if the system detects no intervention by the driver, it provides automatic braking to help slow the vehicle and mitigate the potential front end collision (automatic braking). If intervention by the driver on the brake pedal is detected, but not deemed sufficient, the system may intervene in order to improve the reaction of the braking system by reducing vehicle speed further (additional assistance in braking stage).

The system will intervene automatically in case of imminent collision or impact against a pedestrian crossing the road (speed under 31 mph (50 km/h)).

#### NOTE:

For safety reasons, when the vehicle has stopped, the brake calipers may remain blocked for about two seconds. Make sure to press the brake pedal if the vehicle moves slightly forward.



#### WARNING!

Forward Collision Warning (FCW) is not intended to avoid a collision on its own, nor can FCW detect every type of potential collision. The driver has the responsibility to avoid a collision by controlling the vehicle via braking and steering. Failure to follow this warning could lead to serious injury or death.

#### Engagement/Disengagement

The system may be disengaged (and engaged again) in the "Driver Assistance" menu of the Information and Entertainment System.

The system can be deactivated even with the ignition device in the ON position.

#### NOTE:

The system status can be changed with car at a standstill only.

Select from among three operating modes:

- Warning And Braking:** the system (if active), in addition to the visual and audible warnings, provides limited braking, automatic braking, and additional assistance in braking stage where the driver does not brake sufficiently in the event of a potential front-end collision.
- Only Warning:** the system (if active), does not provide limited braking, but guarantees automatic braking or additional assistance in braking stage where the driver does not brake at all or not sufficiently enough in the event of a potential front-end collision.
- Disabled:** the system does not provide visual and audible warnings, limited braking, automatic braking, or additional assistance in braking stage. The system will therefore provide no indication of a possible collision.

#### Activation/Deactivation

The Forward Collision Warning system is activated whenever the engine is started regardless of what is shown on the radio system.

Following a deactivation, the system will not warn the driver about the possible collision with the preceding vehicle, regardless of the setting selected with the radio system.

#### NOTE:

Each time the engine is started, the system is activated regardless of what setting was selected when the engine was turned off.

The system is active:

- Each time the engine is started
- In the radio system
- When the ignition is in the ON position
- When the vehicle speed is between 2 mph (4 km/h) and 124 mph (200 km/h)
- When the front seat belts are fastened

#### NOTE:

If the seat belts of the front seats are not correctly fastened, the system will not intervene on the braking system (only audible and visual signals will be provided).

#### Changing The System Sensitivity

The sensitivity of the system can be changed through the radio system menu, choosing from one of the following three options: "Near", "Medium" or "Far". Refer to the description in the Information and Entertainment System Owner's Manual Supplement for how to change the settings.

The default setting is "Medium". With this setting, the system warns the driver of a possible collision with the vehicle in front when that vehicle is at a standard distance, between that of the other two settings.

With the system sensitivity set to "Far", the system will warn the driver of a possible collision with the vehicle in front when that vehicle is at a greater distance, thus providing the possibility of acting on the brakes more lightly and gradually. This setting provides the driver with the maximum possible reaction time to prevent a potential collision.

#### NOTE:

The "Far" setting may result in a greater number of FCW possible collision warnings experienced.

With the option set to "Near", the system will alert the driver of a possible collision with the vehicle in front when that vehicle is close. This setting offers the driver a lower reaction time compared to the "Medium" and "Far" settings, in the event of a potential collision, but permits more dynamic driving of the vehicle.

#### NOTE:

The "Near" setting may result in a lesser number of FCW possible collision warnings experienced.

The system sensitivity setting is kept in the memory when the engine is turned off.



**System Limited Operation Warning**

If a dedicated message is displayed, a condition limiting the system operation may have occurred. The possible reasons of this limitation are if something is blocking the camera view, or a fault is present.

If an obstruction is signaled, clean the area of the windshield.

Although the vehicle can still be driven in normal conditions, the system may be not completely available.

When the conditions limiting the system functions end, this will go back to normal and complete operation. Should the fault persist, contact an authorized dealer.

**System Failure Signaling**

If the system turns off and a dedicated message is shown on the display, it means that there is a fault with the system.

In this case, it is still possible to drive the vehicle, but you are advised to contact an authorized dealer as soon as possible.

**Radar Indication Not Available**

If conditions are such that the radar cannot detect obstacles correctly, the system is deactivated and a dedicated message appears on the display. This generally occurs in the event of poor visibility, such as when it is snowing or raining heavily.

The function of this system can also be temporarily reduced due to obstructions such as mud, dirt or ice on the fascia/bumper. In such cases, a dedicated message will be shown on the display and the system will be deactivated. This message can sometimes appear in conditions of high reflectivity (e.g. tunnels with reflective tiles or ice or snow). When the conditions limiting the system functions end, it will go back to normal and complete operation.

In certain cases, this dedicated message could be displayed when the radar is not detecting any vehicles or objects within its view range.

If atmospheric conditions are not the reason behind this message, check if the sensor is dirty. It could be necessary to clean or remove any obstructions in the area.

If the message appears frequently, even in the absence of atmospheric conditions such as snow, rain, mud or other obstructions, contact an authorized dealer for a sensor alignment check.

In the absence of visible obstructions, manually removing the decorative cover trim and cleaning the radar surface could be required. Have this operation performed at an authorized dealer.

**NOTE:**

It is recommended that you do not install devices, accessories, or aerodynamic attachments in front of the sensor or darken it in any way, as this can compromise the correct functioning of the system.

**Frontal Collision Alarm With Active Braking — If Equipped**

If this function is selected, the brakes are operated to reduce the speed of the vehicle in the event of potential collision.

This function applies an additional braking pressure if the braking pressure applied by the driver does not suffice to prevent potential collision.

The function is active with speed above 2 mph (4 km/h).

**NOTE:**

When using an automatic car wash it is recommended to deactivate the system through the settings of the radio system. The system may detect the presence of a car, a wall or another obstacle and activate.

**Driving In Special Conditions**

In certain driving conditions, system intervention might be unexpected or delayed. The driver must therefore be very careful, keeping control of the vehicle.

- Driving close to a bend.
- The vehicle ahead is leaving a roundabout.
- Vehicles with small dimensions and/or not aligned in the driving lane.
- Lane change by other vehicles.
- Vehicles traveling at right angles to the vehicle.

**NOTE:**

- In particularly complex traffic conditions, the driver can deactivate the system manually through the radio system.
- If the driver presses the brake pedal fully or makes an excessive steering maneuver during system operation, the automatic braking function may deactivate (e.g. to allow a possible maneuver to avoid the obstacle).
- The FCW system is automatically deactivated when operating in race mode and a warning message will be displayed on the instrument cluster ↪ page 316.

### Driving Close To A Bend

When entering or leaving a wide bend, the system may detect a vehicle in front you, but not in the same driving lane. In cases such as these, the system may intervene.



Driving Around Wide Curves

### The Vehicle Ahead Is Leaving A Roundabout

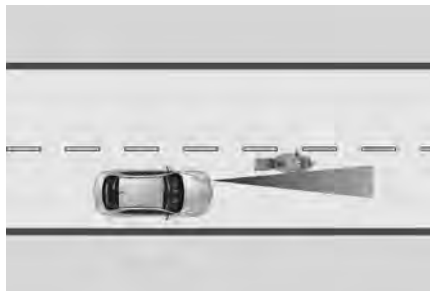
On a roundabout, the system could intervene if it detects a vehicle ahead which is leaving the roundabout.



Driving In Roundabouts

### Vehicles With Small Dimensions And/Or Not Aligned In The Driving Lane

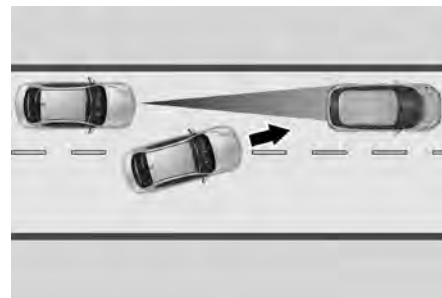
The system cannot detect vehicles in front of you but outside the range of the radar sensor and may therefore not react in the presence of small vehicles, such as bicycles or motorcycles.



Driving Near Small Vehicles

### Lane Change By Other Vehicles

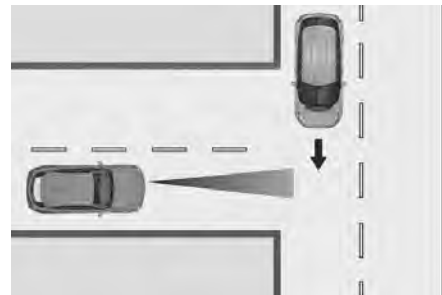
Vehicles suddenly changing lanes to enter the same lane as your vehicle within the operating range of the radar sensor, may cause the system to intervene.



Other Vehicles Changing Lanes

### Vehicles Traveling At Right Angles To The Vehicle

The system may temporarily react to a vehicle that is passing through the radar sensor's operating range at right angles.



Other Vehicle Passing Through Radar Range



**WARNING!**

- The system has not been designed to prevent impacts and cannot detect possible conditions leading to an accident in advance. Failure to take into account this warning may lead to serious or fatal injuries.
- The system may activate, assessing the trajectory of the vehicle, for the presence of reflecting metal objects different from other vehicles, such as safety barriers, road signs, barriers before parking lots, tollgates, level crossings, gates, railways, objects near road constructions sites or higher than the vehicle (e.g. a fly-over). In the same way, the system may intervene inside multi-story parking lots or tunnels, or due to a glare on the road surface. These possible activations are a consequence of the real driving scenario coverage by the system and must not be regarded as faults.
- The system has been designed for road use only. If the vehicle is driven on a track, the system must be deactivated to avoid unnecessary warnings. Automatic deactivation is signaled by the dedicated warning light/symbol switching on in the instrument panel ↪ page 74.


**TIRE PRESSURE MONITORING SYSTEM (TPMS)**

The vehicle is equipped with a TPMS that sends the inflation pressure information of each tire to the control unit, and will signal the driver in the event of insufficient tire pressure.

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.

Tire pressure will vary with temperature by approximately 1 psi (7 kPa) for every 12°F (6.5°C). This means that when the outside temperature decreases, the tire pressure will also decrease. Tire pressure should always be set based on cold inflation tire pressure. This is defined as the tire pressure after the vehicle has not been driven for at least three hours, or driven less than 1 mile (1.6 km) after a three hour period. The cold tire inflation pressure must not exceed the maximum inflation pressure molded into the tire sidewall. The tire pressure will also increase as the vehicle is driven. This is normal, and there should be no adjustment for this increased pressure. See ↪ page 282 for information on how to properly inflate the vehicle's tires.

The TPMS will signal the driver if pressure falls below the warning limit for any reason, including the effects of low temperature and normal loss of pressure from the tire.

The TPMS will stop indicating insufficient tire pressure when pressure is equal to or greater than the prescribed cold inflation level. Therefore, if insufficient tire pressure is indicated by the (  ) warning light displaying in the instrument cluster, increase the inflation pressure up to the prescribed cold inflation value.

The system will automatically update, and the Tire Pressure Monitoring System Warning Light will turn off once the system receives the updated tire pressures. The vehicle may need to be driven for up to 20 minutes above 15 mph (24 km/h) in order for the TPMS to receive this information.

**NOTE:**

The TPMS cannot indicate sudden tire pressure drops (e.g. if a tire bursts). In this case, proceed with caution and avoid abrupt steering.

**Operating Example**

For example, your vehicle may have a recommended cold (parked for more than three hours) placard pressure of 33 psi (227 kPa). If the ambient temperature is 68°F (20°C), and the measured tire pressure is 28 psi (193 kPa), a temperature drop to 20°F (-7°C) will decrease the tire pressure to approximately 24 psi (165 kPa). This tire pressure is low enough to turn on the Tire Pressure Monitoring System Warning Light. Driving the vehicle may cause the tire pressure to rise to approximately 28 psi (193 kPa), but the Tire Pressure Monitoring System Warning Light will still be on. In this situation, the Tire Pressure Monitoring System Warning Light will turn off only after the tires are inflated to the vehicle's recommended cold placard pressure value.



## CAUTION!

- The TPMS has been optimized for the original equipment tires and wheels. TPMS pressures and warning have been established for the tire size equipped on your vehicle. Undesirable system operation or sensor damage may result when using replacement equipment that is not of the same size, type, and/or style. The TPMS sensor is not designed for use on aftermarket wheels and may contribute to a poor overall system performance or sensor damage. Customers are encouraged to use Original Equipment Manufacturer (OEM) wheels to ensure proper TPMS feature operation.
- Using aftermarket tire sealants may cause the Tire Pressure Monitoring System (TPMS) sensor to become inoperable. After using an aftermarket tire sealant it is recommended that you take your vehicle to an authorized dealer to have your sensor function checked.
- After inspecting or adjusting the tire pressure always reinstall the valve stem cap. This will prevent moisture and dirt from entering the valve stem, which could damage the TPMS sensor.

### Insufficient Tire Pressure Indication

If an insufficient pressure value is detected on one or more tires, the Tire Pressure Monitoring System Warning Light in the instrument cluster will display alongside the dedicated messages, the system will highlight the tire or tires with insufficient pressure graphically, and an acoustic signal will be emitted.

In this case, stop the vehicle, check the inflation pressure of each tire, and inflate the necessary tire or tires to the correct cold inflation pressure value, shown on the display or in the dedicated TPMS menu.

### TPMS Temporarily Disabled:

#### TPMS Check Message

When a system fault is detected, the Tire Pressure Monitoring System Warning Light will flash on and off for 75 seconds, and then remain on solid. The system fault will also sound a chime. If the ignition is cycled, this sequence will repeat, provided that the system fault still exists. The Tire Pressure Monitoring System Warning Light will turn off when the fault condition no longer exists. A system fault can occur due to any of the following:

- Jamming due to electronic devices or driving next to facilities emitting the same radio frequencies as the TPMS sensors.
- Installing some form of aftermarket window tinting that affects radio wave signals.
- Packed snow or ice around the wheels or wheel housings.
- Using tire chains on the vehicle.
- Using wheels/tires not equipped with TPMS sensors.

After the punctured tire has been repaired with the original tire sealant contained in the tire kit, the previous condition must be restored so that the Tire Pressure Monitoring System Warning Light is off during normal driving.

### TPMS Deactivation

The TPMS can be deactivated by replacing all four wheel and tire assemblies (road tires) with wheel and tire assemblies that do not have TPMS sensors, such as when installing winter wheel and tire assemblies on your vehicle.

To deactivate the TPMS, first replace all four wheel and tire assemblies (road tires) with tires not equipped with Tire Pressure Monitoring System sensors. Then, drive the vehicle for 20 minutes above 15 mph (24 km/h). The TPMS will chime, the Tire Pressure Monitoring System Warning Light will flash on and off for 75 seconds and then remain on. The instrument cluster will display the "SERVICE TPM SYSTEM" message and then display dashes (-) in place of the pressure values.

Beginning with the next ignition switch cycle, the TPMS will no longer chime or display the "SERVICE TPM SYSTEM" message in the instrument cluster. Instead, dashes (-) will remain in place of the pressure values.

To reactivate the TPMS, replace all four wheel and tire assemblies (road tires) with tires equipped with TPMS sensors. Then, drive the vehicle for up to 20 minutes above 15 mph (24 km/h). The TPMS will chime, the Tire Pressure Monitoring System Warning Light will flash on and off for 75 seconds and then turn off. The instrument cluster will display the "SERVICE TPM SYSTEM" message and then display pressure values in place of the dashes. On the next ignition switch cycle the "SERVICE TPM SYSTEM" message will no longer be displayed, as long as no system fault exists.



**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 underinflated tire will cause the tire to overheat, and can lead to tire failure. Underinflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.
- ❑ The TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure using an accurate tire pressure gauge, even if underinflation has not reached the level to trigger illumination of the Tire Pressure Monitoring System Warning Light.
- ❑ Seasonal temperature changes will affect tire pressure, and the TPMS will monitor the actual tire pressure in the tire ↪ page 316.

## OCCUPANT RESTRAINT SYSTEMS

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

### OCCUPANT RESTRAINT SYSTEMS FEATURES

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

Some of the safety features described in this section may be standard equipment on some models, or may be optional equipment on others. If you are not sure, ask an authorized dealer.

## IMPORTANT SAFETY PRECAUTIONS

Please pay close attention to the information in this section. It tells you how to use your restraint system properly, to keep you and your passengers as safe as possible.

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

1. Children 12 years old and under should always ride buckled up in the rear seat of a vehicle with a rear seat.
2. A child who is not big enough to wear the vehicle seat belt properly must be secured in the appropriate child restraint or belt-positioning booster seat in a rear seating position ↪ page 233.
3. If a child from 2 to 12 years old (not in a rear-facing child restraint) must ride in the front passenger seat, move the seat as far back as possible and use the proper child restraint ↪ page 233.
4. Never allow children to slide the shoulder belt behind them or under their arm.
5. You should read the instructions provided with your child restraint to make sure that you are using it properly.
6. All occupants should always wear their lap and shoulder belts properly.
7. The driver and front passenger seats should be moved back as far as practical to allow the front air bags room to inflate.
8. Do not lean against the door or window. If your vehicle has side air bags, and deployment occurs, the side air bags will inflate forcefully into the space between occupants and the door and occupants could be injured.
9. If the air bag system in this vehicle needs to be modified to accommodate a disabled person, see ↪ page 313 for customer service contact information.



### WARNING!

- ❑ Never place a rear-facing child restraint in front of an air bag. A deploying passenger front air bag can cause death or serious injury to a child 12 years or younger, including a child in a rear-facing child restraint.
- ❑ Never install a rear-facing child restraint in the front seat of a vehicle. Only use a rear-facing child restraint in the rear seat. If the vehicle does not have a rear seat, do not transport a rear-facing child restraint in that vehicle.

## SEAT BELT SYSTEMS

Buckle up even though you are an excellent driver, even on short trips. Someone on the road may be a poor driver and could cause a collision that includes you. This can happen far away from home or on your own street.

Research has shown that seat belts save lives, and they can reduce the seriousness of injuries in a collision. Some of the worst injuries happen when people are thrown from the vehicle. Seat belts reduce the possibility of ejection and the risk of injury caused by striking the inside of the vehicle. Everyone in a motor vehicle should be belted at all times.

## Enhanced Seat Belt Use Reminder System (BeltAlert)

### Driver And Passenger BeltAlert — If Equipped



BeltAlert is a feature intended to remind the driver and outboard front seat passenger (if equipped with outboard front passenger seat BeltAlert) to buckle their seat belts.

The BeltAlert feature is active whenever the ignition switch is in the ON/RUN position.

### Initial Indication

If the driver is unbuckled when the ignition switch is first in the ON/RUN position, a chime will signal for a few seconds. If the driver or outboard front seat passenger (if equipped with outboard front passenger seat BeltAlert) is unbuckled when the ignition switch is first in the ON/RUN position the Seat Belt Reminder Light will turn on and remain on until both outboard front seat belts are buckled. The outboard front passenger seat BeltAlert is not active when an outboard front passenger seat is unoccupied.

### BeltAlert Warning Sequence

The BeltAlert warning sequence is activated when the vehicle is moving above a specified vehicle speed range and the driver or outboard front seat passenger is unbuckled (if equipped with outboard front passenger seat BeltAlert) (the outboard front passenger seat BeltAlert is not active when the outboard front passenger seat is unoccupied). The BeltAlert warning sequence starts by blinking the Seat Belt Reminder Light and sounding an intermittent chime. Once the BeltAlert warning sequence has completed, the Seat Belt Reminder Light will remain on until the seat belts are buckled. The BeltAlert warning sequence may repeat based on vehicle speed until the driver and occupied outboard front seat passenger seat belts are buckled. The driver should instruct all occupants to buckle their seat belts.

### Change Of Status

If the driver or outboard front seat passenger (if equipped with outboard front passenger seat BeltAlert) unbuckles their seat belt while the vehicle is traveling, the BeltAlert warning sequence will begin until the seat belts are buckled again.

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

### Lap/Shoulder Belts

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

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



### WARNING!

- ❑ Relying on the air bags alone could lead to more severe injuries in a collision. The air bags work with your seat belt to restrain you properly. In some collisions, the air bags won't deploy at all. Always wear your seat belt even though you have air bags.

*(Continued)*



### WARNING!

- ❑ In a collision, you and your passengers can suffer much greater injuries if you are not properly buckled up. You can strike the interior of your vehicle or other passengers, or you can be thrown out of the vehicle. Always be sure you and others in your vehicle are buckled up properly.
- ❑ It is dangerous to ride in a cargo area, inside or outside of a vehicle. In a collision, people riding in these areas are more likely to be seriously injured or killed.
- ❑ Do not allow people to ride in any area of your vehicle that is not equipped with seats and seat belts.
- ❑ Be sure everyone in your vehicle is in a seat and using a seat belt properly. Occupants, including the driver, should always wear their seat belts whether or not an air bag is also provided at their seating position to minimize the risk of severe injury or death in the event of a crash.
- ❑ Wearing your seat belt incorrectly could make your injuries in a collision much worse. You might suffer internal injuries, or you could even slide out of the seat belt. Follow these instructions to wear your seat belt safely and to keep your passengers safe, too.
- ❑ Two people should never be belted into a single seat belt. People belted together can crash into one another in a collision, hurting one another badly. Never use a lap/shoulder belt or a lap belt for more than one person, no matter what their size.



**WARNING!**

- A lap belt worn too high can increase the risk of injury in a collision. The seat belt forces won't be at the strong hip and pelvic bones, but across your abdomen. Always wear the lap part of your seat belt as low as possible and keep it snug.
- A twisted seat belt may not protect you properly. In a collision, it could even cut into you. Be sure the seat belt is flat against your body, without twists. If you can't straighten a seat belt in your vehicle, take it to an authorized dealer immediately and have it fixed.
- A seat belt that is buckled into the wrong buckle will not protect you properly. The lap portion could ride too high on your body, possibly causing internal injuries. Always buckle your seat belt into the buckle nearest you.
- A seat belt that is too loose will not protect you properly. In a sudden stop, you could move too far forward, increasing the possibility of injury. Wear your seat belt snugly.
- A seat belt that is worn under your arm is dangerous. Your body could strike the inside surfaces of the vehicle in a collision, increasing head and neck injury. A seat belt worn under the arm can cause internal injuries. Ribs aren't as strong as shoulder bones. Wear the seat belt over your shoulder so that your strongest bones will take the force in a collision.
- A shoulder belt placed behind you will not protect you from injury during a collision. You are more likely to hit your head in a collision if you do not wear your shoulder belt. The lap and shoulder belt are meant to be used together.

*(Continued)***WARNING!**

- A frayed or torn seat belt could rip apart in a collision and leave you with no protection. Inspect the seat belt system periodically, checking for cuts, frays, or loose parts. Damaged parts must be replaced immediately. Do not disassemble or modify the seat belt system. If your vehicle is involved in a collision, or if you have questions regarding seat belt or retractor conditions, take your vehicle to an authorized FCA dealer or authorized FCA Certified Collision Care Program facility for inspection.

**Lap/Shoulder Belt Operating Instructions**

1. Enter the vehicle and close the door. Sit back and adjust the seat.
2. The seat belt latch plate is above the back of the front seat, and next to your arm in the rear seat (for vehicles equipped with a rear seat). Grab the latch plate and pull out the seat belt. Slide the latch plate up the webbing as far as necessary to allow the seat belt to go around your lap.
3. When the seat belt is long enough to fit, insert the latch plate into the buckle until you hear a "click."

**Seat Belt Latch Plate Inserted Into Seat Belt Buckle**

4. Position the lap belt so that it is snug and lies low across your hips, below your abdomen. To remove slack in the lap belt portion, pull up on the shoulder belt. To loosen the lap belt if it is too tight, tilt the latch plate and pull on the lap belt. A snug seat belt reduces the risk of sliding under the seat belt in a collision.
5. Position the shoulder belt across the shoulder and chest with minimal, if any slack so that it is comfortable and not resting on your neck. The retractor will withdraw any slack in the shoulder belt.
6. To release the seat belt, push the red button on the buckle. The seat belt will automatically retract to its stowed position. If necessary, slide the latch plate down the webbing to allow the seat belt to retract fully.

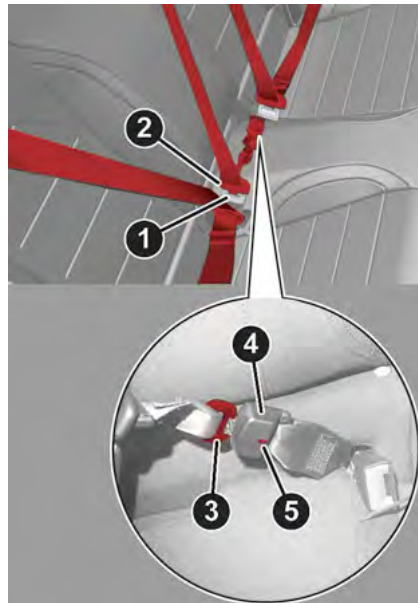


## Lap/Shoulder Belt Untwisting Procedure

Use the following procedure to untwist a twisted lap/shoulder belt.

1. Position the latch plate as close as possible to the anchor point.
2. At about 6 to 12 inches (15 to 30 cm) above the latch plate, grab and twist the seat belt webbing 180 degrees to create a fold that begins immediately above the latch plate.
3. Slide the latch plate upward over the folded webbing. The folded webbing must enter the slot at the top of the latch plate.
4. Continue to slide the latch plate up until it clears the folded webbing and the seat belt is no longer twisted.

## Second Row Center Seat Belt Operating Instructions



Second Row Seat Belts

- 1 – Seat Belt Buckle
- 2 – Seat Belt Latch Plate
- 3 – Mini Latch Plate
- 4 – Mini Seat Belt Buckle
- 5 – Mini Buckle Release

The second row center seat belt features a seat belt with a mini-latch plate and buckle, which allows the seat belt to detach from the lower anchor when the seat is folded. The mini-latch plate and regular latch plate can then be stored out of the way in the parcel tray for added convenience to open up utilization of the storage areas behind the front seats when the seat is not occupied.

1. Remove the mini-latch plate and regular latch plate from its stowed position in the right rear side trim panel.
2. Grab the mini-latch plate and pull the seat belt over the seat.
3. Route the shoulder belt to the inside of the right head restraint.
4. When the seat belt is long enough to fit, insert the mini-latch plate into the mini-buckle until you hear a “click.”
5. Sit back in seat. Slide the regular latch plate up the webbing as far as necessary to allow the seat belt to go around your lap.
6. When the seat belt is long enough to fit, insert the latch plate into the buckle until you hear a “click.”
7. Position the lap belt so that it is snug and lies low across your hips, below your abdomen. To remove slack in the lap belt portion, pull up on the shoulder belt. To loosen the lap belt if it is too tight, pull on the lap belt. A snug seat belt reduces the risk of sliding under the seat belt in a collision.
8. 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 seat belt.
9. To release the seat belt, push the red button on the buckle.



10. To disengage the mini-latch plate from the mini-buckle for storage, insert the regular latch plate into the black button on the top of the mini-buckle. The seat belt will automatically retract to its stowed position. If necessary, slide the latch plate down the webbing to allow the seat belt to retract fully. Insert the mini-latch plate and regular latch plate into its stowed position.



Detaching Mini-Buckle With Seat Belt Tongue



### WARNING!

- If the mini-latch plate and mini-buckle are not properly connected when the seat belt is used by an occupant, the seat belt will not be able to provide proper restraint and will increase the risk of injury in a collision.
- When reattaching the mini-latch plate and mini-buckle, ensure the seat belt webbing is not twisted. If the webbing is twisted, follow the preceding procedure to detach the mini-latch plate and mini-buckle, untwist the webbing, and reattach the mini-latch plate and mini-buckle.

## Seat Belts And Pregnant Women



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### Seat Belts And Pregnant Women

Seat belts must be worn by all occupants including pregnant women: the risk of injury in the event of an accident is reduced for the mother and the unborn child if they are wearing a seat belt.

Position the lap belt snug and low below the abdomen and across the strong bones of the hips. Place the shoulder belt across the chest and away from the neck. Never place the shoulder belt behind the back or under the arm.

## Seat Belt Pretensioner

The front outboard seat belt system is equipped with pretensioning devices that are designed to remove slack from the seat belt in the event of a collision. These devices may improve the performance of the seat belt by removing slack from the seat belt early in a collision. Pretensioners work for all size occupants, including those in child restraints.

### NOTE:

These devices are not a substitute for proper seat belt placement by the occupant. The seat belt still must be worn snugly and positioned properly.

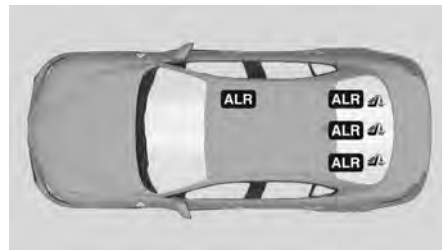
The pretensioners are triggered by the Occupant Restraint Controller (ORC). Like the air bags, the pretensioners are single use items. A deployed pretensioner or a deployed air bag must be replaced immediately.

## Energy Management Feature

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

## Switchable Automatic Locking Retractors (ALR)

The seat belts in the passenger seating positions are equipped with a Switchable Automatic Locking Retractor (ALR) which is used to secure a child restraint system. For additional information on ALR, see [page 238](#). The figure provided illustrates the locking feature for each seating position.



Switchable Automatic Locking Retractor (ALR) Locations

If the passenger seating position is equipped with an ALR and is being used for normal usage, only pull the seat belt webbing out far enough to comfortably wrap around the occupant's mid-section so as to not activate the ALR. If the ALR is activated, you will hear a clicking sound as the seat belt retracts. Allow the webbing to retract completely in this case and then carefully pull out only the amount of webbing necessary to comfortably wrap around the occupant's mid-section. Slide the latch plate into the buckle until you hear a "click."

In Automatic Locking Mode, the shoulder belt is automatically pre-locked. The seat belt will still retract to remove any slack in the shoulder belt. Use the Automatic Locking Mode anytime a child restraint is installed in a seating position that has a seat belt with this feature. Children 12 years old and under should always be properly restrained in the rear seat of a vehicle with a rear seat.



#### WARNING!

- Never place a rear-facing child restraint in front of an air bag. A deploying passenger front air bag can cause death or serious injury to a child 12 years or younger, including a child in a rear-facing child restraint.
- Never install a rear-facing child restraint in the front seat of a vehicle. Only use a rear-facing child restraint in the rear seat. If the vehicle does not have a rear seat, do not transport a rear-facing child restraint in that vehicle.

#### How To Engage The Automatic Locking Mode

1. Buckle the combination lap and shoulder belt.
2. Grab the shoulder portion and pull downward until the entire seat belt is extracted.
3. Allow the seat belt to retract. As the seat belt retracts, you will hear a clicking sound. This indicates the seat belt is now in the Automatic Locking Mode.

#### How To Disengage The Automatic Locking Mode

Unbuckle the combination lap/shoulder belt and allow it to retract completely to disengage the Automatic Locking Mode and activate the vehicle sensitive (emergency) locking mode.



#### WARNING!


- The seat belt assembly must be replaced if the switchable Automatic Locking Retractor (ALR) feature or any other seat belt function is not working properly when checked according to the procedures in the Service Manual.
- Failure to replace the seat belt assembly could increase the risk of injury in collisions.
- Do not use the Automatic Locking Mode to restrain occupants who are wearing the seat belt or children who are using booster seats. The locked mode is only used to install rear-facing or forward-facing child restraints that have a harness for restraining the child.

## SUPPLEMENTAL RESTRAINT SYSTEMS (SRS)

Some of the safety features described in this section may be standard equipment on some models, or may be optional equipment on others. If you are not sure, ask an authorized dealer.

The air bag system must be ready to protect you in a collision. The Occupant Restraint Controller (ORC) monitors the internal circuits and interconnecting wiring associated with the electrical Air Bag System Components. Your vehicle may be equipped with the following Air Bag System Components:

### Air Bag System Components

- Occupant Restraint Controller (ORC)
- Air Bag Warning Light 
- Steering Wheel and Column
- Instrument Panel
- Knee Impact Bolsters
- Driver and Front Passenger Air Bags
- Seat Belt Buckle Switch
- Supplemental Side Air Bags
- Supplemental Knee Air Bags
- Front and Side Impact Sensors
- Seat Belt Pretensioners
- Seat Track Position Sensors



### Air Bag Warning Light

The Occupant Restraint Controller (ORC) monitors the readiness of the electronic parts of the air bag system whenever the ignition switch is in the START or ON/RUN position. If the ignition switch is in the OFF position or in the ACC position, the air bag system is not on and the air bags will not inflate.



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

The ORC turns on the Air Bag Warning Light in the instrument panel for approximately four to eight seconds for a self-check when the ignition switch is first in the ON/RUN position. After the self-check, the Air Bag Warning Light will turn off. If the ORC detects a malfunction in any part of the system, it turns on the Air Bag Warning Light, either momentarily or continuously. A single chime will sound to alert you if the light comes on again after initial startup.

The ORC also includes diagnostics that will illuminate the instrument panel Air Bag Warning Light if a malfunction is detected that could affect the air bag system. The diagnostics also record the nature of the malfunction. While the air bag system is designed to be maintenance free, if any of the following occurs, have an authorized dealer service the air bag system immediately.

- The Air Bag Warning Light does not come on during the four to eight seconds when the ignition switch is first in the ON/RUN position.
- The Air Bag Warning Light remains on after the four to eight-second interval.
- The Air Bag Warning Light comes on intermittently or remains on while driving.

#### NOTE:

If the speedometer, tachometer, or any engine related gauges are not working, the Occupant Restraint Controller (ORC) may also be disabled. In this condition the air bags may not be ready to inflate for your protection. Have an authorized dealer service the air bag system immediately.



#### WARNING!

Ignoring the Air Bag Warning Light in your instrument panel could mean you won't have the air bag system to protect you in a collision. If the light does not come on as a bulb check when the ignition is first turned on, stays on after you start the vehicle, or if it comes on as you drive, have an authorized dealer service the air bag system immediately.

### Redundant Air Bag Warning Light



If a fault with the Air Bag Warning Light is detected, which could affect the Supplemental Restraint System (SRS), the Redundant Air Bag Warning Light will illuminate on the instrument panel. The Redundant Air Bag Warning Light will stay on until the fault is cleared. In addition, a single chime will sound to alert you that the Redundant Air Bag Warning Light has come on and a fault has been detected. If the Redundant Air Bag Warning Light comes on intermittently or remains on while driving have an authorized dealer service the vehicle immediately.

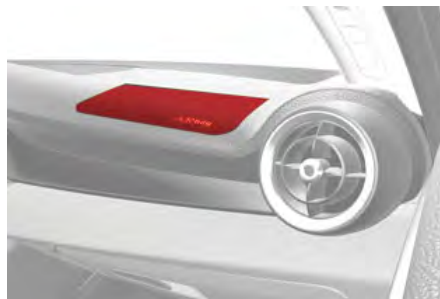
For additional information regarding the Redundant Air Bag Warning Light, see Warning Lights and Messages in your Owner Manual.

### Front Air Bags

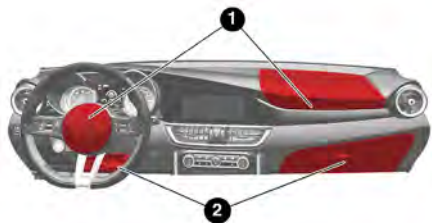
This vehicle has front air bags and lap/shoulder belts for both the driver and front passenger. The front air bags are a supplement to the seat belt restraint systems. The driver front air bag is mounted in the center of the steering wheel. The passenger front air bag is mounted in the instrument panel, above the glove compartment. The words "SRS AIRBAG" or "AIRBAG" are embossed on the air bag covers.



Driver Air Bag



Passenger Air Bag



**Front Air Bag/Knee Bolster Locations**

1 – Driver And Passenger Front Air Bags

2 – Driver And Passenger Knee Impact Bolsters/  
Supplemental Knee Air Bags



**WARNING!**

- Being too close to the steering wheel or instrument panel during front air bag deployment could cause serious injury, including death. Air bags need room to inflate. Sit back, comfortably extending your arms to reach the steering wheel or instrument panel.
- Never place a rear-facing child restraint in front of an air bag. A deploying passenger front air bag can cause death or serious injury to a child 12 years or younger, including a child in a rear-facing child restraint.
- Never install a rear-facing child restraint in the front seat of a vehicle. Only use a rear-facing child restraint in the rear seat. If the vehicle does not have a rear seat, do not transport a rear-facing child restraint in that vehicle.

## Driver And Passenger Front Air Bag Features

The Advanced Front Air Bag system has multistage driver and front passenger air bags. This system provides output appropriate to the severity and type of collision as determined by the Occupant Restraint Controller (ORC), which may receive information from the front impact sensors (if equipped) or other system components.

The first stage inflator is triggered immediately during an impact that requires air bag deployment. A low energy output is used in less severe collisions. A higher energy output is used for more severe collisions.

This vehicle may be equipped with a driver and/or front passenger seat belt buckle switch that detects whether the driver or front passenger seat belt is buckled. The seat belt buckle switch may adjust the inflation rate of the Advanced Front Air Bags.

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



**WARNING!**

- No objects should be placed over or near the air bag on the instrument panel or steering wheel because any such objects could cause harm if the vehicle is in a collision severe enough to cause the air bag to inflate.
- Do not put anything on or around the air bag covers or attempt to open them manually. You may damage the air bags and you could be injured because the air bags may no longer be functional. The protective covers for the air bag cushions are designed to open only when the air bags are inflating.

*(Continued)*



**WARNING!**

- Relying on the air bags alone could lead to more severe injuries in a collision. The air bags work with your seat belt to restrain you properly. In some collisions, air bags won't deploy at all. Always wear your seat belts even though you have air bags.

## Front Air Bag Operation

Front Air Bags are designed to provide additional protection by supplementing the seat belts. Front air bags are not expected to reduce the risk of injury in rear, side, or rollover collisions. The front air bags will not deploy in all frontal collisions, including some that may produce substantial vehicle damage – for example, some pole collisions, truck underrides, and angle offset collisions.

On the other hand, depending on the type and location of impact, front air bags may deploy in crashes with little vehicle front-end damage but that produce a severe initial deceleration.

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

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

When the Occupant Restraint Controller (ORC) detects a collision requiring the front air bags, it signals the inflator units. A large quantity of non-toxic gas is generated to inflate the front air bags.



The steering wheel hub trim cover and the upper passenger side of the instrument panel separate and fold out of the way as the air bags inflate to their full size. The front air bags fully inflate in less time than it takes to blink your eyes. The front air bags then quickly deflate while helping to restrain the driver and front passenger.

### Knee Impact Bolsters

The Knee Impact Bolsters help protect the knees of the driver and front passenger, and position the front occupants for improved interaction with the front air bags.



#### WARNING!

- Do not drill, cut, or tamper with the knee impact bolsters in any way.
- Do not mount any accessories to the knee impact bolsters such as alarm lights, stereos, citizen band radios, etc.

### Supplemental Driver And Front Passenger Knee Air Bags

This vehicle is equipped with a Supplemental Driver Knee Air Bag mounted in the instrument panel below the steering column and a Supplemental Passenger Knee Air Bag mounted in the instrument panel below the glove compartment. The Supplemental Knee Air Bags provide enhanced protection during a frontal impact by working together with the seat belts, pretensioners, and front air bags.



Driver Knee Air Bag



Front Passenger Knee Air Bag

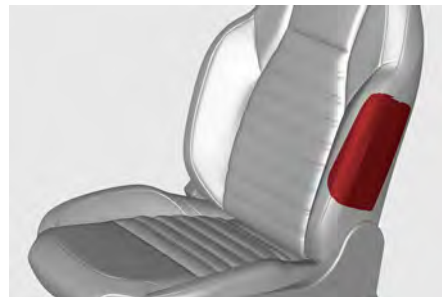
### Supplemental Side Air Bags

#### Supplemental Seat-Mounted Side Air Bags (SABs)

This vehicle is equipped with Supplemental Seat-Mounted Side Air Bags (SABs).

Supplemental Seat-Mounted Side Air Bags (SABs) are located in the outboard side of the front seats. The SABs are marked with a "SRS AIRBAG" or "AIRBAG" on a label or on the seat trim on the outboard side of the seats.

The SABs may help to reduce the risk of occupant injury during certain side impacts, in addition to the injury reduction potential provided by the seat belts and body structure.



Front Supplemental Seat-Mounted Side Air Bag

When the SAB deploys, it opens the seam on the outboard side of the seatback's trim cover. The inflating SAB deploys through the seat seam into the space between the occupant and the door. The SAB moves at a very high speed and with such a high force that it could injure occupants if they are not seated properly, or if items are positioned in the area where the SAB inflates. Children are at an even greater risk of injury from a deploying air bag.



#### WARNING!

Do not use accessory seat covers or place objects between you and the Side Air Bags; the performance could be adversely affected and/or objects could be pushed into you, causing serious injury.

## Supplemental Side Air Bag Inflatable Curtains (SABICs)

This vehicle is equipped with Supplemental Side Air Bag Inflatable Curtains (SABICs).

Supplemental Side Air Bag Inflatable Curtains (SABICs) are located above the side windows. The trim covering the SABICs is labeled "SRS AIRBAG" or "AIRBAG."



**Supplemental Side Air Bag Inflatable Curtain (SABIC) Location**

SABICs may help reduce the risk of head and other injuries to front and rear seat outboard occupants in certain side impacts, in addition to the injury reduction potential provided by the seat belts and body structure. The SABIC deploys downward, covering the side windows. An inflating SABIC pushes the outside edge of the headliner out of the way and covers the window. The SABICs inflate with enough force to injure occupants if they are not belted and seated properly, or if items are positioned in the area where the SABICs inflate. Children are at an even greater risk of injury from a deploying air bag.

The SABICs may help reduce the risk of partial or complete ejection of vehicle occupants through side windows in certain side impact events.



### WARNING!

- Do not mount equipment, or stack luggage or other cargo up high enough to block the deployment of the SABICs. The trim covering above the side windows where the SABIC and its deployment path are located should remain free from any obstructions.
- In order for the SABICs to work as intended, do not install any accessory items in your vehicle which could alter the roof. Do not add an aftermarket sunroof to your vehicle. Do not add roof racks that require permanent attachments (bolts or screws) for installation on the vehicle roof. Do not drill into the roof of the vehicle for any reason.

### Side Impacts

The Side Air Bags are designed to activate in certain side impacts. The Occupant Restraint Controller (ORC) determines whether the deployment of the Side Air Bags in a particular impact event is appropriate, based on the severity and type of collision. The side impact sensors aid the ORC in determining the appropriate response to impact events. The system is calibrated to deploy the Side Air Bags on the impact side of the vehicle during impacts that require Side Air Bag occupant protection. In side impacts, the Side Air Bags deploy independently; a left side impact deploys the left Side Air Bags only and a right-side impact deploys the right Side Air Bags only. Vehicle damage by itself is not a good indicator of whether or not Side Air Bags should have deployed.

The Side Air Bags will not deploy in all side collisions, including some collisions at certain angles, or some side collisions that do not impact the area of the passenger compartment. The Side Air Bags may deploy during angled or offset frontal collisions where the front air bags deploy.

Side Air Bags are a supplement to the seat belt restraint system. Side Air Bags deploy in less time than it takes to blink your eyes.



### WARNING!

- Occupants, including children, who are up against or very close to Side Air Bags can be seriously injured or killed. Occupants, including children, should never lean on or sleep against the door, side windows, or area where the side air bags inflate, even if they are in an infant or child restraint.
- Seat belts (and child restraints where appropriate) are necessary for your protection in all collisions. They also help keep you in position, away from an inflating Side Air Bag. To get the best protection from the Side Air Bags, occupants must wear their seat belts properly and sit upright with their backs against the seats. Children must be properly restrained in a child restraint or booster seat that is appropriate for the size of the child.



### WARNING!

- Side Air Bags need room to inflate. Do not lean against the door or window. Sit upright in the center of the seat.

(Continued)



**WARNING!**

- Being too close to the Side Air Bags during deployment could cause you to be severely injured or killed.
- Relying on the Side Air Bags alone could lead to more severe injuries in a collision. The Side Air Bags work with your seat belt to restrain you properly. In some collisions, Side Air Bags won't deploy at all. Always wear your seat belt even though you have Side Air Bags.

**NOTE:**

Air bag covers may not be obvious in the interior trim, but they will open during air bag deployment.

**Rollover Events**

Side Air Bags and seat belt pretensioners are designed to activate in certain rollover events. The Occupant Restraint Controller (ORC) determines whether deployment in a particular rollover event is appropriate, based on the severity and type of collision. Vehicle damage by itself is not a good indicator of whether or not Side Air Bags and seat belt pretensioners should have deployed.

The Side Air Bags and seat belt pretensioners will not deploy in all rollover events. The rollover sensing system determines if a rollover event may be in progress and whether deployment is appropriate. In the event the vehicle experiences a rollover or near rollover event, and deployment is appropriate, the rollover sensing system will deploy the side air bags and seat belt pretensioners on both sides of the vehicle.

The SABCs may help reduce the risk of partial or complete ejection of vehicle occupants through side windows in certain rollover or side impact events.

**Air Bag System Components****NOTE:**

The Occupant Restraint Controller (ORC) monitors the internal circuits and interconnecting wiring associated with electrical Air Bag System Components listed below:

- Occupant Restraint Controller (ORC)
- Air Bag Warning Light
- Steering Wheel and Column
- Instrument Panel
- Knee Impact Bolsters
- Driver and Front Passenger Air Bags
- Seat Belt Buckle Switch
- Supplemental Side Air Bags
- Supplemental Knee Air Bags
- Front and Side Impact Sensors
- Seat Belt Pretensioners
- Seat Track Position Sensors

**If A Deployment Occurs**

The front air bags are designed to deflate immediately after deployment.

**NOTE:**

Front and/or side air bags will not deploy in all collisions. This does not mean something is wrong with the air bag system.

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

- The air bag material may sometimes cause abrasions and/or skin reddening to the occupants as the air bags deploy and unfold. The abrasions are similar to friction rope burns or those you might get sliding along a carpet or gymnasium floor. They are not caused by contact with chemicals. They are not permanent and normally heal quickly. However, if you haven't healed significantly within a few days, or if you have any blistering, see your doctor immediately.

- As the air bags deflate, you may see some smoke-like particles. The particles are a normal by-product of the process that generates the non-toxic gas used for air bag inflation. These airborne particles may irritate the skin, eyes, nose, or throat. If you have skin or eye irritation, rinse the area with cool water. For nose or throat irritation, move to fresh air. If the irritation continues, see your doctor. If these particles settle on your clothing, follow the garment manufacturer's instructions for cleaning.

Do not drive your vehicle after the air bags have deployed. If you are involved in another collision, the air bags will not be in place to protect you.

**WARNING!**

Deployed air bags and seat belt pretensioners cannot protect you in another collision. Have the air bags, seat belt pretensioners, and the seat belt retractor assemblies replaced by an authorized dealer immediately. Also, have the Occupant Restraint Controller System serviced as well.

**NOTE:**

- Air bag covers may not be obvious in the interior trim, but they will open during air bag deployment.
- After any collision, the vehicle should be taken to an authorized dealer immediately.



## Enhanced Accident Response System

In the event of an impact, if the communication network remains intact, and the power remains intact, depending on the nature of the event, the Occupant Restraint Controller (ORC) will determine whether to have the Enhanced Accident Response System perform the following functions:

- Cut off fuel to the engine (if equipped)
- Cut off battery power to the electric motor (if equipped)
- Flash hazard lights as long as the battery has power
- Turn on the interior lights, which remain on as long as the battery has power or for 15 minutes from the intervention of the Enhanced Accident Response System
- Unlock the power door locks

Your vehicle may also be designed to perform any of these other functions in response to the Enhanced Accident Response System:

- Turn off the Fuel Filter Heater, Turn off the HVAC Blower Motor, Close the HVAC Circulation Door
- Cut off battery power to the:
  - Engine
  - Electric Motor (if equipped)
  - Electric power steering
  - Brake booster
  - Electric park brake
  - Automatic transmission gear selector
  - Horn
  - Front wiper

### NOTE:

After an accident, remember to cycle the ignition to the OFF position and remove the key from the ignition switch to avoid draining the battery. Carefully check the vehicle for fuel leaks in the engine compartment and on the ground near the engine compartment and fuel tank before resetting the system and starting the engine. If there are no fuel leaks or damage to the vehicle electrical devices (e.g. headlights) after an accident, reset the system by following the procedure described below. If you have any doubt, contact an authorized dealer.



## Enhanced Accident Response System Reset Procedure

After the event occurs, when the system is active, a message regarding fuel cutoff is displayed. Turn the ignition switch from ignition ACC or ON/RUN to ignition OFF. Carefully check the vehicle for fuel leaks in the engine compartment and on the ground near the engine compartment and fuel tank before resetting the system and starting the engine. Depending on the nature of the event the left and right turn signal lights, located in the instrument panel, may both be blinking and will continue to blink. In order to move your vehicle to the side of the road, you must follow the system reset procedure.

Customer Action  Note: Each step <b>MUST BE held for at least two seconds</b>	Customer Will See
1. Turn ignition OFF. (Turn Signal Switch Must be placed in Neutral State).	
2. Turn ignition ACC/ON/RUN.	Right turn light BLINKS. Left turn light is OFF.
3. Turn right turn signal switch ON.	Right turn light is ON SOLID. Left turn light BLINKS.
4. Place turn signal in neutral state.	Right turn light is OFF. Left turn light BLINKS.
5. Turn left turn signal switch ON.	Right turn light BLINKS. Left turn light is ON SOLID.
6. Place turn signal in neutral state.	Right turn light BLINKS. Left turn light is OFF.
7. Turn right turn signal switch ON.	Right turn light is ON SOLID. Left turn light BLINKS.
8. Place turn signal in neutral state.	Right turn light is OFF. Left turn light BLINKS.
9. Turn left turn signal switch ON.	Right turn light is ON SOLID. Left turn light is ON SOLID.
10. Turn left turn signal switch OFF. (Turn Signal Switch Must be placed in Neutral State).	Right turn light is OFF. Left turn light is OFF.
11. Turn ignition OFF.	
12. Turn ignition ACC/ON/RUN. (Entire sequence needs to be completed within one minute or sequence will need to be repeated).	System is now reset and the engine may be started.
Turn hazard flashers OFF (Manually).	

## Maintaining Your Air Bag System



### WARNING!

- Modifications to any part of the air bag system could cause it to fail when you need it. You could be injured if the air bag system is not there to protect you. Do not modify the components or wiring, including adding any kind of badges or stickers to the steering wheel hub trim cover or the upper passenger side of the instrument panel. Do not modify the front fascia/bumper, vehicle body structure, or add aftermarket side steps or running boards.
- It is dangerous to try to repair any part of the air bag system yourself. Be sure to tell anyone who works on your vehicle that it has an air bag system.
- Do not attempt to modify any part of your air bag system. The air bag may inflate accidentally or may not function properly if modifications are made. Take your vehicle to an authorized dealer for any air bag system service. If your seat, including your trim cover and cushion, needs to be serviced in any way (including removal or loosening/tightening of seat attachment bolts), take the vehicle to an authorized dealer. Only manufacturer approved seat accessories may be used. If it is necessary to modify the air bag system for persons with disabilities, contact an authorized dealer.

## Event Data Recorder (EDR)

This vehicle is equipped with an event data recorder (EDR). The main purpose of an EDR is to record, in certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle, data that will assist in understanding how a vehicle's systems performed. The EDR is designed to record data related

to vehicle dynamics and safety systems for a short period of time, typically 30 seconds or less. The EDR in this vehicle is designed to record such data as:

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

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

### NOTE:

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

To read data recorded by an EDR, special equipment is required, and access to the vehicle or the EDR is needed. In addition to the vehicle manufacturer, other parties, such as law enforcement, that have the special equipment, can read the information if they have access to the vehicle or the EDR.

## CHILD RESTRAINTS

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

Children 12 years or younger should ride properly buckled up in a rear seat, if available. According to crash statistics, children are safer when properly restrained in the rear seats rather than in the front.



### WARNING!

In a collision, an unrestrained child can become a projectile inside the vehicle. The force required to hold even an infant on your lap could become so great that you could not hold the child, no matter how strong you are. The child and others could be badly injured or killed. Any child riding in your vehicle should be in a proper restraint for the child's size.

There are different sizes and types of restraints for children from newborn size to the child almost large enough for an adult safety belt. Always check the child seat Owner's Manual to make sure you have the correct seat for your child. Carefully read and follow all the instructions and warnings in the child restraint Owner's Manual and on all the labels attached to the child restraint.

Before buying any restraint system, make sure that it has a label certifying that it meets all applicable Safety Standards. You should also make sure that you can install it in the vehicle where you will use it.

### NOTE:

- For additional information, refer to <http://www.nhtsa.gov/parents-and-caregivers> or call: 1-888-327-4236
- Canadian residents should refer to Transport Canada's website for additional information: <http://www.tc.gc.ca/en/services/road/child-car-seat-safety.html>



## Summary Of Recommendations For Restraining Children In Vehicles

	Child Size, Height, Weight Or Age	Recommended Type Of Child Restraint
Infants and Toddlers	Children who are two years old or younger and who have not reached the height or weight limits of their child restraint	Either an Infant Carrier or a Convertible Child Restraint, facing rearward in a rear seat of the vehicle
Small Children	Children who are at least two years old or who have outgrown the height or weight limit of their rear-facing child restraint	Forward-Facing Child Restraint with a five-point Harness, facing forward in a rear seat of the vehicle
Larger Children	Children who have outgrown their forward-facing child restraint, but are too small to properly fit the vehicle's seat belt	Belt Positioning Booster Seat and the vehicle seat belt, seated in a rear seat of the vehicle
Children Too Large for Child Restraints	Children 12 years old or younger, who have outgrown the height or weight limit of their booster seat	Vehicle Seat Belt, seated in a rear seat of the vehicle

### Infant And Child Restraints

Safety experts recommend that children ride rear-facing in the vehicle until they are two years old or until they reach either the height or weight limit of their rear-facing child restraint. Two types of child restraints can be used rear-facing: infant carriers and convertible child seats.

The infant carrier is only used rear-facing in the vehicle. It is recommended for children from birth until they reach the weight or height limit of the infant carrier. Convertible child seats can be used either rear-facing or forward-facing in the vehicle. Convertible child seats often have a higher weight limit in the rear-facing direction than infant carriers do, so they can be used rear-facing by children who have outgrown their infant carrier but are still less than at least two years old. Children should remain rear-facing until they reach the highest weight or height allowed by their convertible child seat.



#### WARNING!

- Never place a rear-facing child restraint in front of an air bag. A deploying passenger front air bag can cause death or serious injury to a child 12 years or younger, including a child in a rear-facing child restraint.
- Never install a rear-facing child restraint in the front seat of a vehicle. Only use a rear-facing child restraint in the rear seat. If the vehicle does not have a rear seat, do not transport a rear-facing child restraint in that vehicle.

### Older Children And Child Restraints

Children who are two years old or who have outgrown their rear-facing convertible child seat can ride forward-facing in the vehicle. Forward-facing child seats and convertible child seats used in the forward-facing direction are for children who are over two years old or who have outgrown the rear-facing weight or height limit of their rear-facing convertible child seat. Children should remain in a forward-facing child seat with a harness for as long as possible, up to the highest weight or height allowed by the child seat.

All children whose weight or height is above the forward-facing limit for the child seat should use a belt-positioning booster seat until the vehicle's seat belts fit properly. If the child cannot sit with knees bent over the vehicle's seat cushion while the child's back is against the seatback, they should use a belt-positioning booster seat. The child and belt-positioning booster seat are held in the vehicle by the seat belt.



## WARNING!

- ❑ Improper installation can lead to failure of an infant or child restraint. It could come loose in a collision. The child could be badly injured or killed. Follow the child restraint manufacturer's directions exactly when installing an infant or child restraint.
- ❑ After a child restraint is installed in the vehicle, do not move the vehicle seat forward or rearward because it can loosen the child restraint attachments. Remove the child restraint before adjusting the vehicle seat position. When the vehicle seat has been adjusted, reinstall the child restraint.
- ❑ When your child restraint is not in use, secure it in the vehicle with the seat belt or LATCH anchorages, or remove it from the vehicle. Do not leave it loose in the vehicle. In a sudden stop or accident, it could strike the occupants or seatbacks and cause serious personal injury.

## Children Too Large For Booster Seats

Children who are large enough to wear the shoulder belt comfortably, and whose legs are long enough to bend over the front of the seat when their back is against the seatback, should use the seat belt in a rear seat. Use this simple 5-step test to decide whether the child can use the vehicle's seat belt alone:

1. Can the child sit all the way back against the back of the vehicle seat?
2. Do the child's knees bend comfortably over the front of the vehicle seat while the child is still sitting all the way back?
3. Does the shoulder belt cross the child's shoulder between the neck and arm?
4. Is the lap part of the belt as low as possible, touching the child's thighs and not the stomach?
5. Can the child stay seated like this for the whole trip?

If the answer to any of these questions was "no," then the child still needs to use a booster seat in this vehicle. If the child is using the lap/shoulder belt, check seat belt fit periodically and make sure the seat belt buckle is latched. A child's squirming or slouching can move the belt out of position. If the shoulder belt contacts the face or neck, move the child closer to the center of the vehicle, or use a booster seat to position the seat belt on the child correctly.



## WARNING!

Never allow a child to put the shoulder belt under an arm or behind their back. In a crash, the shoulder belt will not protect a child properly, which may result in serious injury or death. A child must always wear both the lap and shoulder portions of the seat belt correctly.

## Recommendations For Attaching Child Restraints

Restraint Type	Combined Weight of the Child + Child Restraint	Use Any Attachment Method Shown With An "X" Below			
		LATCH – Lower Anchors Only	Seat Belt Only	LATCH – Lower Anchors + Top Tether Anchor	Seat Belt + Top Tether Anchor
Rear-Facing Child Restraint	Up to 65 lb (29.5 kg)	X	X		
Rear-Facing Child Restraint	More than 65 lb (29.5 kg)		X		
Forward-Facing Child Restraint	Up to 65 lb (29.5 kg)			X	X
Forward-Facing Child Restraint	More than 65 lb (29.5 kg)				X



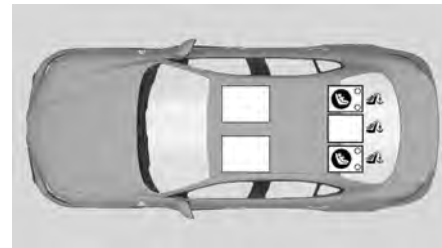
## Lower Anchors And Tethers For Children (LATCH) Restraint System




LATCH Label

Your vehicle is equipped with the child restraint anchorage system called LATCH, which stands for Lower Anchors and Tethers for Children. The LATCH system has three vehicle anchor points for installing LATCH-equipped child seats. There are two lower anchorages located at the back of the seat cushion where it meets the seatback and one top tether anchorage located behind the seating position. These anchorages are used to install LATCH-equipped child seats without using the vehicle's seat belts. Some seating positions may have a top tether anchorage but no lower anchorages. In these seating positions, the seat belt must be used with the top tether anchorage to install the child restraint. Please see the following table for more information.

## LATCH Positions For Installing Child Restraints In This Vehicle



LATCH Positions

 Lower Anchorage Symbol (2 Anchorages Per Seating Position)

 Top Tether Anchorage Symbol

### Frequently Asked Questions About Installing Child Restraints With LATCH

What is the weight limit (child's weight + weight of the child restraint) for using the LATCH anchorage system to attach the child restraint?	65 lb (29.5 kg)	Use the LATCH anchorage system until the combined weight of the child and the child restraint is 65 lb (29.5 kg). Use the seat belt and tether anchor instead of the LATCH system once the combined weight is more than 65 lb (29.5 kg).
Can the LATCH anchorages and the seat belt be used together to attach a rear-facing or forward-facing child restraint?	No	Do not use the seat belt when you use the LATCH anchorage system to attach a rear-facing or forward-facing child restraint. Booster seats may be attached to the LATCH anchorages if allowed by the booster seat manufacturer. See your booster seat owner's manual for more information.
Can a child seat be installed in the center position using the inner LATCH lower anchorages from the outboard seating positions?	No	Use the seat belt and tether anchor to install a child seat in the center seating position.
Can two child restraints be attached using a common lower LATCH anchorage?	No	Never "share" a LATCH anchorage with two or more child restraints. If the center position does not have dedicated LATCH lower anchorages, use the seat belt to install a child seat in the center position next to a child seat using the LATCH anchorages in an outboard position.

## Frequently Asked Questions About Installing Child Restraints With LATCH

Can the rear-facing child restraint touch the back of the front passenger seat?	Yes	The child seat may touch the back of the front passenger seat if the child restraint manufacturer also allows contact. See your child restraint owner's manual for more information.
Can the rear head restraints be removed?	Yes	The head restraints can be removed in every rear seating position if they interfere with the installation of the child restraint ↪ page 40.



### Locating The LATCH Anchorages

The lower anchorages are round bars that are found at the rear of the seat cushion where it meets the seatback. Each anchorage is under a cover with the anchorage symbol on it. Lift the cover to access the lower anchorage.



LATCH Anchorage Locations

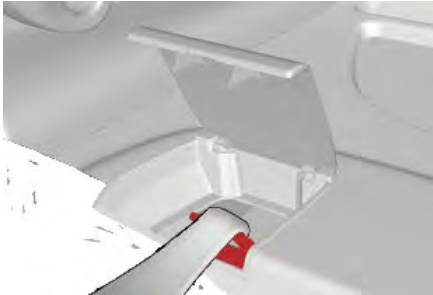
1 – LATCH Anchorage Bar

2 – LATCH Anchorage Locations



### Locating The Upper Tether Anchorages

There are tether strap anchorages behind each rear seating position located in the panel between the rear seatback and the rear window. They are found under a plastic cover with the tether anchorage symbol on it.



Upper Tether Anchorage Location

LATCH-compatible child restraint systems will be equipped with a rigid bar or a flexible strap on each side. Each will have a hook or connector to attach to the lower anchorage and a way to tighten the connection to the anchorage. Forward-facing child

restraints and some rear-facing child restraints will also be equipped with a tether strap. The tether strap will have a hook at the end to attach to the top tether anchorage and a way to tighten the strap after it is attached to the anchorage.

### Center Seat LATCH



#### WARNING!

- Do not install a child restraint in the center position using the LATCH system. This position is not approved for installing child seats using the LATCH attachments. You must use the seat belt and tether anchor to install a child seat in the center seating position.
- Never use the same lower anchorage to attach more than one child restraint. See ↪ page 236 for typical installation instructions.

Always follow the directions of the child restraint manufacturer when installing your child restraint. Not all child restraint systems will be installed as described here.



## To Install A LATCH-Compatible Child Restraint

If the selected seating position has a Switchable Automatic Locking Retractor (ALR) seat belt, stow the seat belt, following the instructions below. See [page 239](#) to check what type of seat belt each seating position has.

- Loosen the adjusters on the lower straps and on the tether strap of the child seat so that you can more easily attach the hooks or connectors to the vehicle anchorages.
- Place the child seat between the lower anchorages for that seating position. If the second row seat can be reclined, you may recline the seat and/or raise the head restraint (if adjustable) to get a better fit. If the rear seat can be moved forward and rearward in the vehicle, you may wish to move it to its rear-most position to make room for the child seat. You may also move the front seat forward to allow more room for the child seat.
- Attach the lower hooks or connectors of the child restraint to the lower anchorages in the selected seating position.
- If the child restraint has a tether strap, connect it to the top tether anchorage. See [page 240](#) for directions to attach a tether anchor.
- Tighten all of the straps as you push the child restraint rearward and downward into the seat. Remove slack in the straps according to the child restraint manufacturer's instructions.
- Test that the child restraint is installed tightly by pulling back and forth on the child seat at the belt path. It should not move more than 1 inch (25.4 mm) in any direction.

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

When using the LATCH attaching system to install a child restraint, stow all ALR seat belts that are not being used by other occupants or being used to secure child restraints. An unused belt could injure a child if they play with it and accidentally lock the seat belt retractor. Before installing a child restraint using the LATCH system, buckle the seat belt behind the child restraint and out of the child's reach. If the buckled seat belt interferes with the child restraint installation, instead of buckling it behind the child restraint, route the seat belt through the child restraint belt path and then buckle it. Do not lock the seat belt. Remind all children in the vehicle that the seat belts are not toys and that they should not play with them.



### WARNING!

- Improper installation of a child restraint to the LATCH anchorages can lead to failure of the restraint. The child could be badly injured or killed. Follow the child restraint manufacturer's directions exactly when installing an infant or child restraint.
- Child restraint anchorages are designed to withstand only those loads imposed by correctly-fitted child restraints. Under no circumstances are they to be used for adult seat belts, harnesses, or for attaching other items or equipment to the vehicle.

## Installing Child Restraints Using The Vehicle Seat Belt

Child restraint systems are designed to be secured in vehicle seats by lap belts or the lap belt portion of a lap/shoulder belt.



### WARNING!

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

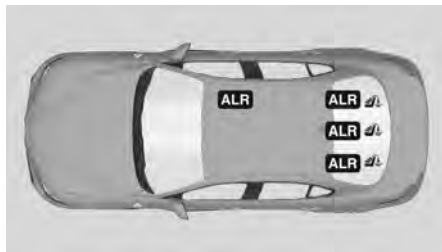
The seat belts in the passenger seating positions are equipped with a Switchable Automatic Locking Retractor (ALR) that is designed to keep the lap portion of the seat belt tight around the child restraint so that it is not necessary to use a locking clip. The ALR retractor can be "switched" into a locked mode by pulling all of the webbing out of the retractor and then letting the webbing retract back into the retractor. If it is locked, the ALR will make a clicking noise while the webbing is pulled back into the retractor.

See the "Automatic Locking Mode" description [page 224](#) for additional information on ALR.

Please see the table below and the following sections for more information.



## Lap/Shoulder Belt Systems For Installing Child Restraints In This Vehicle



### Automatic Locking Retractor (ALR) Locations

ALR — Switchable Automatic Locking Retractor

 Top Tether Anchorage Symbol

### Frequently Asked Questions About Installing Child Restraints With Seat Belts

What is the weight limit (child's weight + weight of the child restraint) for using the Tether Anchor with the seat belt to attach a forward-facing child restraint?	Weight limit of the Child Restraint	Always use the tether anchor when using the seat belt to install a forward-facing child restraint, up to the recommended weight limit of the child restraint.
Can the rear-facing child restraint touch the back of the front passenger seat?	Yes	Contact between the front passenger seat and the child restraint is allowed, if the child restraint manufacturer also allows contact.
Can the rear head restraints be removed?	Yes	The head restraints can be removed in every rear seating position if they interfere with the installation of the child restraint → page 40.
Can the buckle stalk be twisted to tighten the seat belt against the belt path of the child restraint?	No	Do not twist the buckle stalk in a seating position with an ALR retractor.



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

Child restraint systems are designed to be secured in vehicle seats by lap belts or the lap belt portion of a lap/shoulder belt.



### WARNING!

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

1. Place the child seat in the center of the seating position. If the second row seat can be reclined, you may recline the seat and/or raise the head restraint (if adjustable) to get a better fit. If the rear seat can be moved forward and rearward in the vehicle, you may wish to move it to its rear-most position to make room for the child seat. You may also move the front seat forward to allow more room for the child seat.
2. Pull enough of the seat belt webbing from the retractor to pass it through the belt path of the child restraint. Do not twist the belt webbing in the belt path.
3. Slide the latch plate into the buckle until you hear a "click."
4. Pull on the webbing to make the lap portion tight against the child seat.

5. To lock the seat belt, pull down on the shoulder part of the belt until you have pulled all the seat belt webbing out of the retractor. Then, allow the webbing to retract back into the retractor. As the webbing retracts, you will hear a clicking sound. This means the seat belt is now in the Automatic Locking mode.
6. Try to pull the webbing out of the retractor. If it is locked, you should not be able to pull out any webbing. If the retractor is not locked, repeat step 5.
7. Finally, pull up on any excess webbing to tighten the lap portion around the child restraint while you push the child restraint rearward and downward into the vehicle seat.
8. If the child restraint has a top tether strap and the seating position has a top tether anchorage, connect the tether strap to the anchorage and tighten the tether strap. See [page 240](#) for directions to attach a tether anchor.
9. Test that the child restraint is installed tightly by pulling back and forth on the child seat at the belt path. It should not move more than 1 inch (25.4 mm) in any direction.

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

## Installing Child Restraints Using The Top Tether Anchorage:

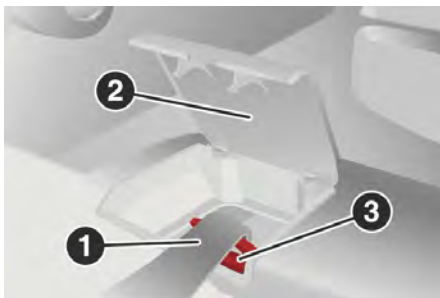


### WARNING!

Do not attach a tether strap for a rear-facing car seat to any location in front of the car seat, including the seat frame or a tether anchorage. Only attach the tether strap of a rear-facing car seat to the tether anchorage that is approved for that seating position, located behind the top of the vehicle seat. See [page 236](#) for the location of approved tether anchorages in your vehicle.



1. Look behind the seating position where you plan to install the child restraint to find the tether anchorage. You may need to move the seat forward to provide better access to the tether anchorage. If there is no top tether anchorage for that seating position, move the child restraint to another position in the vehicle if one is available.
2. Rotate or lift the cover to access the anchor directly behind the seat where you are placing the child restraint.



Upper Tether Anchorage Location

- 1 – Tether Strap Hook
- 2 – Cover
- 3 – Tether Anchor

3. Route the tether strap to provide the most direct path for the strap between the anchor and the child seat. If your vehicle is equipped with adjustable rear head restraints, raise the head restraint, and where possible, route the tether strap under the head restraint and between the two posts. If not possible, lower the head restraint and pass the tether strap around the outboard side of the head restraint.
4. Attach the tether strap hook of the child restraint to the top tether anchorage as shown in the diagram.
5. Remove slack in the tether strap according to the child restraint manufacturer's instructions.



#### WARNING!

- An incorrectly anchored tether strap could lead to increased head motion and possible injury to the child. Use only the anchorage position directly behind the child seat to secure a child restraint top tether strap.
- If your vehicle is equipped with a split rear seat, make sure the tether strap does not slip into the opening between the seatbacks as you remove slack in the strap.

## SAFETY TIPS

### TRANSPORTING PASSENGERS

NEVER TRANSPORT PASSENGERS IN THE CARGO AREA.



#### WARNING!

- Do not leave children or animals inside parked vehicles in hot weather. Interior heat buildup may cause serious injury or death.
- It is extremely dangerous to ride in a cargo area, inside or outside of a vehicle. In a collision, people riding in these areas are more likely to be seriously injured or killed.
- Do not allow people to ride in any area of your vehicle that is not equipped with seats and seat belts.
- Be sure everyone in your vehicle is in a seat and using a seat belt properly.

### TRANSPORTING PETS

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

Pets should be restrained in the rear seat (if equipped) in pet harnesses or pet carriers that are secured by seat belts.

### CONNECTED VEHICLES

Privacy of any wireless and wired communications cannot be assured. Third parties may unlawfully intercept information and private communications without your consent. For further information, refer to "Data Collection & Privacy" in your Radio Instruction Manual or "Onboard Diagnostic System (OBD II) Cybersecurity" ⇄ page 83.



#### WARNING!

It is not possible to know or to predict all of the possible outcomes if your vehicle's systems are breached. It may be possible that vehicle systems, including safety related systems, could be impaired or a loss of vehicle control could occur that may result in an accident involving serious injury or death.



## SAFETY CHECKS YOU SHOULD MAKE INSIDE THE VEHICLE

### Seat Belts

Inspect the seat belt system periodically, checking for cuts, frays, and loose parts. Damaged parts must be replaced immediately. Do not disassemble or modify the system.

If your vehicle is involved in a collision, or if you have questions regarding the seat belt or retractor conditions, take your vehicle to an authorized FCA dealer or authorized FCA Certified Collision Care Program facility for inspection.

### Air Bag Warning Light



The Air Bag Warning Light will turn on for four to eight seconds as a bulb check when the ignition switch is first turned to ON/RUN. If the light is either not on during starting, stays on, or turns on while driving, the system inspected at an authorized dealer as soon as possible. After the bulb check, this light will illuminate with a single chime when a fault with the Air Bag System has been detected. It will stay on until the fault is removed. If the light comes on intermittently or remains on while driving, have an authorized dealer service the vehicle immediately → page 220.

### Defroster

Check operation by selecting the defrost mode and place the blower control on high speed. You should be able to feel the air directed against the windshield. See an authorized dealer for service if your defroster is inoperable.

## Floor Mat Safety Information

Always use floor mats designed to fit your vehicle. Only use a floor mat that does not interfere with the operation of the accelerator, brake or clutch pedals. Only use a floor mat that is securely attached using the floor mat fasteners so it cannot slip out of position and interfere with the accelerator, brake or clutch pedals or impair safe operation of your vehicle in other ways.



### WARNING!

An improperly attached, damaged, folded, or stacked floor mat, or damaged floor mat fasteners may cause your floor mat to interfere with the accelerator, brake, or clutch pedals and cause a loss of vehicle control.

To prevent **SERIOUS INJURY** or **DEATH**:

- ALWAYS securely attach your floor mat using the floor mat fasteners. **DO NOT** install your floor mat upside down or turn your floor mat over. Lightly pull to confirm mat is secured using the floor mat fasteners on a regular basis.
- ALWAYS REMOVE THE EXISTING FLOOR MAT FROM THE VEHICLE before installing any other floor mat. NEVER install or stack an additional floor mat on top of an existing floor mat.
- ONLY install floor mats designed to fit your vehicle. NEVER install a floor mat that cannot be properly attached and secured to your vehicle. If a floor mat needs to be replaced, only use a FCA approved floor mat for the specific make, model, and year of your vehicle.



### WARNING!

- ONLY use the driver's side floor mat on the driver's side floor area. To check for interference, with the vehicle properly parked with the engine off, fully press the accelerator, the brake, and the clutch pedal (if present) to check for interference. If your floor mat interferes with the operation of any pedal, or is not secure to the floor, remove the floor mat from the vehicle and place the floor mat in your trunk.
- ONLY use the passenger's side floor mat on the passenger's side floor area.
- ALWAYS make sure objects cannot fall or slide into the driver's side floor area when the vehicle is moving. Objects can become trapped under accelerator, brake, or clutch pedals and could cause a loss of vehicle control.
- NEVER place any objects under the floor mat (e.g., towels, keys, etc.). These objects could change the position of the floor mat and may cause interference with the accelerator, brake, or clutch pedals.
- If the vehicle carpet has been removed and re-installed, always properly attach carpet to the floor and check the floor mat fasteners are secure to the vehicle carpet. Fully press each pedal to check for interference with the accelerator, brake, or clutch pedals then re-install the floor mats.
- It is recommended to only use mild soap and water to clean your floor mats. After cleaning, always check your floor mat has been properly installed and is secured to your vehicle using the floor mat fasteners by lightly pulling mat.

(Continued)

## PERIODIC SAFETY CHECKS YOU SHOULD MAKE OUTSIDE THE VEHICLE

### Tires

Examine tires for excessive tread wear and uneven wear patterns. Check for stones, nails, glass, or other objects lodged in the tread or sidewall. Inspect the tread for cuts and cracks. Inspect sidewalls for cuts, cracks, and bulges. Check the wheel nuts for tightness. Check the tires (including spare) for proper cold inflation pressure.

### Lights

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

### Door Latches

Check for proper closing, latching, and locking.

### Fluid Leaks

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

## EXHAUST GAS



### WARNING!

Exhaust gases can injure or kill. They contain carbon monoxide (CO), which is colorless and odorless. Breathing it can make you unconscious and can eventually poison you. To avoid breathing (CO), follow these safety tips:

- Do not run the engine in a closed garage or in confined areas any longer than needed to move your vehicle in or out of the area.
- If you are required to drive with the trunk/liftgate/rear doors open, make sure that all windows are closed and the climate control BLOWER switch is set at high speed. DO NOT use the recirculation mode.
- If it is necessary to sit in a parked vehicle with the engine running, adjust your heating or cooling controls to force outside air into the vehicle. Set the blower at high speed.

The best protection against carbon monoxide entry into the vehicle body is a properly maintained engine exhaust system.

Whenever a change is noticed in the sound of the exhaust system, when exhaust fumes can be detected inside the vehicle, or when the underside or rear of the vehicle is damaged, have an authorized dealer inspect the complete exhaust system and adjacent body areas for broken, damaged, deteriorated, or mispositioned parts. Open seams or loose connections could permit exhaust fumes to seep into the passenger compartment. In addition, inspect the exhaust system each time the vehicle is raised for lubrication or oil change. Replace as required.

## CARBON MONOXIDE WARNINGS



### WARNING!

Carbon monoxide (CO) in exhaust gases is deadly. Follow the precautions below to prevent carbon monoxide poisoning:

- Do not inhale exhaust gases. They contain carbon monoxide, a colorless and odorless gas, which can kill. Never run the engine in a closed area, such as a garage, and never sit in a parked vehicle with the engine running for an extended period. If the vehicle is stopped in an open area with the engine running for more than a short period, adjust the ventilation system to force fresh, outside air into the vehicle.
- Guard against carbon monoxide with proper maintenance. Have the exhaust system inspected every time the vehicle is raised. Have any abnormal conditions repaired promptly. Until repaired, drive with all side windows fully open.
- When exiting the vehicle, always make sure the ignition is in the OFF position, remove the key fob from the vehicle, and lock your vehicle.



Have a flat tire or a burnt-out bulb?

At times, a problem such as these may interfere with your driving experience.

The section on emergencies can help you to deal with critical situations independently.

## HAZARD WARNING FLASHERS

The Hazard Warning Flashers button is located in the switch bank below the radio screen.

Push the button once to turn the Hazard Warning Flashers on. When the button is activated, all directional turn signals will flash on and off to warn oncoming traffic of an emergency. Push the button a second time to turn the Hazard Warning Flashers off.

This is an emergency warning system and it should not be used when the vehicle is in motion. Use it only when your vehicle is disabled or signaling a safety hazard warning for other motorists.

When you must leave the vehicle to seek assistance, the Hazard Warning Flashers will continue to operate even though the ignition is cycled to OFF.



Hazard Warning Flashers Button



### CAUTION!

Prolonged use of the Hazard Warning Flashers may discharge the vehicle's battery.

## SOS EMERGENCY CALL — IF EQUIPPED

Your vehicle has an on-board assistance feature that is designed to provide support in case of an accident and/or emergency. This feature is automatically activated by air bag deployment, or can be activated manually by pushing the button located on the base of the rearview mirror.

### NOTE:

SOS Emergency Call will only work with an enabled network operator.



SOS Emergency Call Button

The SOS Emergency Call system automatically forwards a call to emergency services in the event of an accident with air bag deployment providing that the ignition device is in RUN position and the air bags are working. When the connection between the vehicle and a public safety operator is made, your vehicle will automatically transmit location and vehicle information to the emergency service operator.

Only a public safety operator can remotely end the SOS Emergency Call and, if necessary, call the vehicle back through the Emergency Call system. Once the call has ended, you can still call the emergency service operator to indicate additional information by pushing the button again.

### To Use SOS Emergency Call

Push and hold the SOS Emergency Call button for a few seconds. The LED, located next to the SOS button, will blink once and then stay on indicating a call has been placed.

### NOTE:

If the SOS Emergency SOS Emergency Call button is accidentally pushed, there is a 10 second delay before the call is placed. The system will issue a verbal alert that a call is about to be made. To cancel the call connection, push the SOS Emergency Call button again.

Once a connection between the vehicle and an emergency service operator is made, the SOS Emergency Call system will transmit the following important vehicle information to the operator:

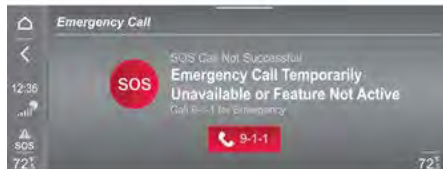
- Indication that the occupant placed an SOS Emergency Call.
- The Vehicle Identification Number (VIN).
- The last known GPS coordinates of the vehicle.

You will then be able to speak with the emergency service operator to determine if additional help is needed.

The SOS Emergency Call has priority over other audio sources, which will be muted. If you have a phone connected via Bluetooth®, it is disconnected and reconnected at the end of the SOS Emergency Call. Voice prompts will guide you during the SOS Emergency Call. If a connection is made between an emergency service operator and your vehicle, emergency service operators may record conversations and sounds within your vehicle once a connection is made, and by using the service you consent to having this information shared.

#### NOTE:

If you have not subscribed to the SOS service or if the service is not available or has expired, the Connect system will display a dedicated screen when the button is pressed informing you to contact the national emergency number 9-1-1 (the respective graphic button will be displayed to make the call if you have connected your mobile phone via Bluetooth®. The call to the national emergency number 9-1-1 will be made via the mobile phone by pressing red graphic button shown on the Connect system display.



SOS Screen Message

#### SOS Emergency Call System Limitations

When the ignition switches to the RUN position, the Emergency Call system runs a routine check. During this check, a red indicator will illuminate for about three seconds. This signal must not be confused with a fault warning. In the event of a malfunction, the red indicator would remain on. If the SOS Emergency Call system detects a malfunction, any of the following may occur at the time the malfunction is detected:

#### NOTE:

The SOS Call function may not be available for the first minute after the vehicle is started

- The LED next to the SOS button will be continuously illuminated red.
- The Emergency Call system is powered by its own non-rechargeable battery to ensure operation, even when the vehicle battery is discharged or disconnected. When system battery is discharged, the instrument cluster display will show a special message, different than other messages referring to other types of faults. In this case, the system works only if powered by the vehicle's battery.
- The instrument cluster will display a message alerting you to contact the Service Network along with a failure warning light.

Even if the SOS Emergency Call system is fully functional, external or uncontrolled factors may prevent or stop SOS Emergency Call operation. These include, but are not limited to, the following factors:

- The key fob has been removed from the vehicle, and the delayed accessories mode is active.
- The ignition is in OFF position.
- The vehicle's electrical systems are not intact.
- The SOS Emergency Call system software and/or hardware is damaged during a vehicle collision.
- There are network problems that could limit or impair service operation (e.g., error by operator, busy network, bad weather, etc.).

If the vehicle battery connection fails due to a collision or accident, the system can support an SOS Emergency Call for a limited period of time. If the battery is disconnected for service, the system turns off. In this case, it will be possible to make an SOS Emergency Call only when the battery is reconnected to the vehicle's electrical system.

#### System Requirements

- Vehicle must have an operable 4G network connection.
- Vehicle must be powered with a properly functioning electrical system.
- The ignition must be in the RUN or ACC position.



#### WARNING!

- Never place anything on or near the vehicle's 4G and GPS aerials. You could prevent 4G and GPS signal reception, which can prevent your vehicle from placing an emergency call. An operable 4G network connection and a GPS signal is required for the SOS-Emergency Call system to function properly.
- Do not add any aftermarket electrical equipment to the vehicle's electrical system. This may prevent your vehicle from sending a signal to initiate an emergency call. To avoid interference that can cause the SOS-Emergency Call system to fail, never add aftermarket equipment (e.g., two-way mobile radio, CB radio, data recorder, etc.) to your vehicle's electrical system or modify the antennas on your vehicle. IF YOUR VEHICLE AND SYSTEM LOSES BATTERY POWER FOR ANY REASON (INCLUDING DURING OR AFTER AN ACCIDENT) THE SOS FEATURES, APPS AND SERVICES AMONG OTHERS WILL NOT OPERATE.

(Continued)



**WARNING!**

- The Occupant Restraint Controller (ORC) turns on the Air Bag Warning Light in the instrument cluster if a malfunction in any part of the air bag system is detected. If the Air Bag Warning Light is illuminated, the air bag system may not be working properly and the SOS-Emergency Call system may not be able to send a signal to an emergency service operator. If the Air Bag Warning Light is illuminated, contact the Service Network to have the air bag system checked immediately.
- Ignoring the LED on the SOS-Emergency Call button could mean you will not have emergency call services if needed. If the LED on SOS-Emergency Call button is illuminated red, contact the Service Network to have the emergency call system checked immediately.
- If anyone in the vehicle could be in danger (e.g., fire or smoke is visible, dangerous road conditions or location), do not wait for voice contact from an emergency service operator. All occupants should exit the vehicle immediately and move to a safe location.
- Failure to perform scheduled maintenance and regularly inspect your vehicle may result in vehicle damage, accident or injury.

**Frequently Asked Questions:**

**What happens if I accidentally push the SOS Emergency Call Button?** You have 10 seconds after pushing the emergency button to cancel the call. To cancel the call, push the button again.

**What type of information is sent when I make an SOS Emergency Call from my vehicle?** Certain vehicle information, such as the VIN, is transmitted along with last known GPS location. Also note that emergency

service operators may record conversations and sounds within your vehicle once a connection is made, and by using the service you consent to having this information shared.

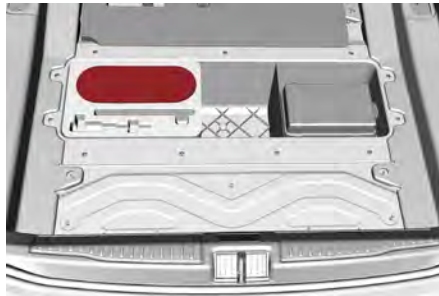


**When can I use the SOS Emergency Call button?** You can **ONLY** Use the SOS Emergency Call button to make a call if you or someone else needs emergency assistance.

## TIRE SERVICE KIT

### DESCRIPTION

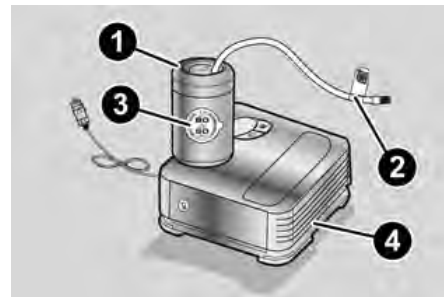
If a tire is punctured, you can make an emergency repair using the Tire Service Kit located in the trunk beneath the load floor.

**Tire Service Kit Location**

The Tire Service Kit includes:

- Sealant cartridge containing the sealing fluid.
- Filler tube.

- Adhesive label with the writing "Max. 50 mph (80 km/h)", to be attached in a position easily visible to the driver (e.g. on the dashboard) after repairing the tire.
- Air compressor, complete with pressure gauge and connectors.
- An instruction pamphlet for reference in prompt and correct use of the Tire Service Kit, which must be then given to the personnel dealing with the sealant-treated tire.
- A pair of protective gloves.
- Adaptors for inflating different elements.

**Tire Service Kit Components**

- 1 – Sealant Cartridge
- 2 – Filler Tube
- 3 – Adhesive Label
- 4 – Air Compressor



## NOTE:

The sealant is effective with external temperatures of between -40°F (-40°C) and 122°F (50°C). The sealant has an expiration date.

To use the Tire Service Kit, proceed as follows:

1. Stop the vehicle in a position where you can repair the tire safely. You should be as far as possible from the side of the road, and in a position that is not dangerous for oncoming traffic. Activate the Hazard Warning Flashers, remove the safety triangle from the trunk, and place it at a suitable distance from the vehicle to make other drivers aware of your presence.
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 tire service kit hoses to reach the valve stem and keep the tire repair kit flat on the ground.
3. Place the gear selector to PARK (P).
4. Apply the Electric Park Brake and cycle the engine OFF.

## INFLATION PROCEDURE



### 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 Tire Service Kit.
- Do not use Tire Service Kit or drive the vehicle under the following circumstances:
  - If the puncture in the tire tread is approximately 1/4 inch (6 mm) or larger.
  - If the tire has any sidewall damage.

(Continued)

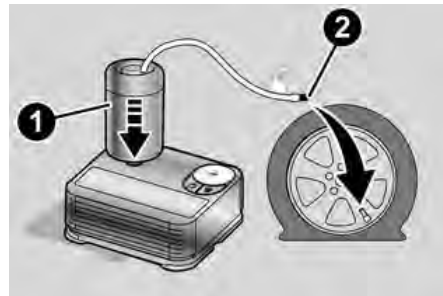


### WARNING!

- 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.
  - If you are unsure of the condition of the tire or the wheel.
- Keep Tire Service Kit away from open flames or heat sources.
  - A loose Tire Service Kit thrown forward in a collision or hard stop could endanger the occupants of the vehicle. Always stow the Tire Service 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.
  - Take care not to allow the contents of Tire Service Kit to come in contact with hair, eyes, or clothing. Tire Service Kit sealant 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.
  - Tire Service Kit Sealant solution contains latex. In case of an allergic reaction or rash, consult a physician immediately. Keep Tire Service Kit 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.

To use your Tire Service Kit, proceed as follows:

1. Apply the Electric Park Brake.
2. Insert the sealant cartridge containing the sealing fluid in the proper compressor holder, pushing down hard. Unscrew the tire valve cap, take out the filler tube and tighten the fitting on the tire valve.

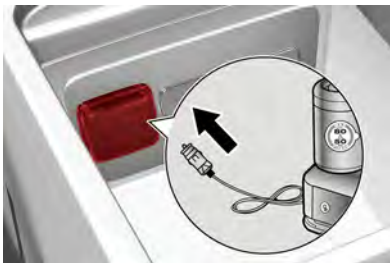


Attaching Filler Tube To Deflated Tire

- 1 – Sealant Cartridge
- 2 – Filler Tube

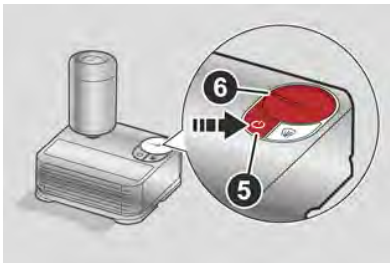
3. Make sure the power switch of the compressor is in the O (off) position.
4. Insert the plug into the power outlet in the center console, then start the engine.





Center Console Power Outlet

- Start the compressor by placing the power switch in the I (on) position.
- Inflate the tire to the pressure indicated on the tire placard, located on the driver's side B-pillar or the rear edge of the driver's side door → page 285. In order to obtain a more precise reading, check the pressure value on pressure gauge with the compressor off.



Air Compressor

- 5 — Power Switch
- 6 — Pressure Gauge

- If the pressure is not at least 26.1 psi (1.8 bar) after 15 minutes, disengage the compressor from the valve and power outlet. Then, move the vehicle forwards approximately 33 ft (10 m) in order to distribute the sealant inside the tire evenly, and then repeat the inflation operation.
- If you still cannot obtain a pressure of at least 26 psi (1.8 bar) within 15 minutes of turning the compressor on, do not drive the vehicle, and contact an authorized dealer.
- Drive the vehicle for about 5 miles (8 km), stop, apply the Electric Park Brake, and recheck the tire pressure.
- If the pressure is less than 26 psi (1.8 bar), **DO NOT** drive the vehicle, and see an authorized dealer.
- If a pressure value of at least 26 psi (1.8 bar) is detected, restore the correct pressure (with engine running and Electric Park Brake applied), and drive immediately with great care to an authorized dealer.

**WARNING!**

Tire Service Kit is not a permanent flat tire repair. Have the tire inspected and repaired or replaced after using Tire Service Kit. Do not exceed 50 mph (80 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. Have the tire checked as soon as possible at an authorized dealer.

- Apply the adhesive label from the sealant bottle where it can be easily seen by the driver as a reminder that the tire has been treated with a Tire Service Kit, as well as not to exceed the speed restriction for the treated tire.

**WARNING!**

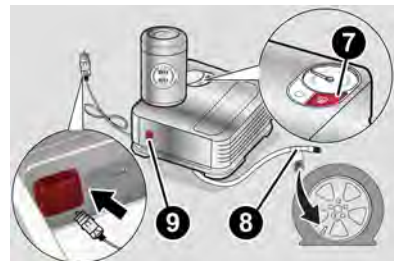
Do not adhere the speed restriction sticker to the padded area on the steering wheel. Adhering the speed restriction sticker to the padded area on the steering wheel is dangerous because the air bag may not operate (deploy) normally resulting in serious injury. In addition, do not adhere the sticker to areas where warning lights or the speedometer cannot be viewed.

**CHECKING AND RESTORING TIRE PRESSURE**

The compressor can also be used to check and, if necessary, restore the tire pressure.

Proceed as follows:

- Release the quick connector and connect it directly to the valve of the tire to be inflated.
- Push the air release button.



Air Compressor Components

- 7 — Air Release Button
- 8 — Quick Connector
- 9 — Release Button

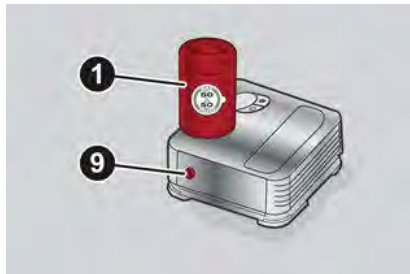
## SEALANT CARTRIDGE REPLACEMENT

### NOTE:

Only use original cartridges, which can be purchased at an authorized dealer.

Proceed as follows:

1. Remove the sealant cartridge by pushing the release button located on the side of the compressor.
2. Insert the new sealant cartridge by pushing downward firmly.



Sealant Cartridge Replacement

- 1 — Sealant Cartridge  
9 — Release Button

## RUN FLAT TIRES — IF EQUIPPED

Your vehicle may be equipped with “run flat” tires. Run flat tires allow the driver to maintain control of the vehicle after a puncture and to continue driving safely for approximately 50 miles (80 km) at 50 mph (80 km/h). Tire service should be obtained to avoid prolonged run flat feature usage ↩ page 290.



### WARNING!

Do not exceed 50 mph (80 km/h) if the Tire Pressure Monitoring Telltale Light is illuminated. Vehicle handling and braking may be reduced. You could have a collision and be severely or fatally injured.

## JUMP STARTING

If your vehicle has a discharged battery, it can be jump started from the remote battery connections by 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 the battery for jump starting the vehicle. Improperly connecting the jumper cables or booster pack to the battery can result in electrical system and fuse failure. Always use the remote battery connection posts to jump start your vehicle.
- ❑ 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.

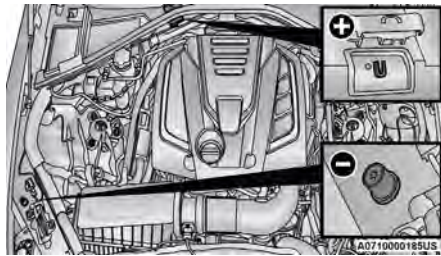
## REMOTE BATTERY CONNECTION POSTS

Your vehicle is equipped with remote battery connection posts for jump starting. Depending on the vehicle model, remote post locations may vary.

### Non Quadrifoglio Model

The remote posts of the battery for jump starting can be found inside the engine compartment.





### Remote Jump Starting Post Locations

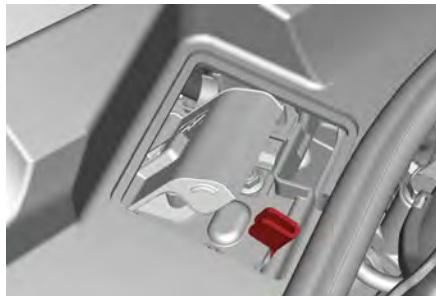
Remote Positive (+) Post

Remote Negative (-) Post

The remote positive (+) post is located at the rear of the engine compartment, which can be accessed by removing the cowl cover, and opening the spring loaded protective flap.



Protective Cowl Cover



### Protective Flap And Remote Positive (+) Post

The remote negative (-) post is an exposed stud, positioned next to the passenger side hood lock on the upper frame rail.



Remote Negative (-) Post Location

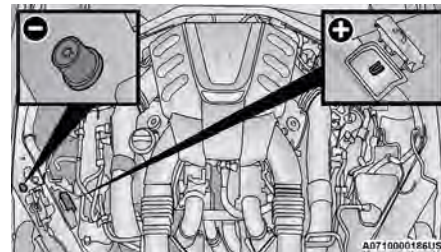


### WARNING!

Do not connect the jumper cable to the negative (-) post of the discharged battery. The resulting electrical spark could cause the battery to explode and could result in serious injury. Only use the specific ground point, do not use any other exposed metal parts.

To carry out the operation, you need to have the correct cables to connect to the battery of another vehicle or a portable battery booster pack to the remote posts of the discharged battery. Usually, these cables have terminals at the ends and are identified by different sheath colors (red = positive, black = negative).

### Quadrifoglio Model

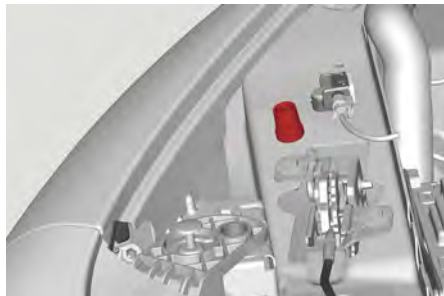


### Remote Jump Starting Post Locations

Remote Negative (-) Post

Remote Positive (+) Post

The remote negative (-) post is an exposed stud, positioned next to the passenger side hood lock on the upper frame rail.



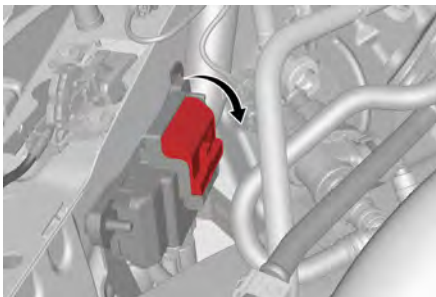
Remote Negative (-) Post Location



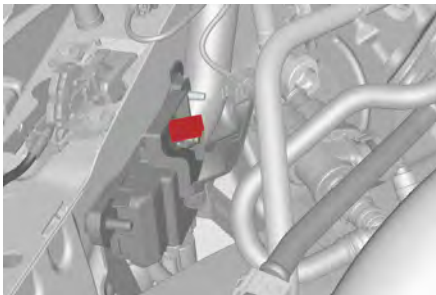
#### WARNING!

Do not connect the jumper cable to the negative (-) post of the discharged battery. The resulting electrical spark could cause the battery to explode and could result in serious injury. Only use the specific ground point, do not use any other exposed metal parts.

The remote positive (+) post is located next to the passenger side hood lock on the inside of the upper frame rail, and can be accessed by removing the protective flap.



Remote Positive (+) Protective Flap



Remote Positive (+) Post Location

To carry out the operation, you need to have the correct cables to connect to the battery of another vehicle or a portable battery booster pack to the remote posts of the discharged battery. Usually, these cables have terminals at the ends and are identified by different sheath colors (red = positive, black = negative).

## JUMP STARTING PROCEDURE



#### WARNING!

Failure to follow this jump starting procedure could result in personal injury or property damage due to battery explosion.



#### CAUTION!

Failure to follow these procedures could result in damage to the charging system of the booster vehicle or the discharged vehicle.

#### Preparation For Jump Starting:

1. Firmly apply the park brake, and cycle the ignition to OFF.
2. Turn off all electrical features in the vehicle.
3. If using another vehicle to jump start the battery, park the vehicle within the jumper cables reach, apply the park 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.



**Cable Connection**

Proceed as follows to perform a jump starting procedure:

1. Connect the positive (+) end of the jumper cable to the remote positive (+) post of the vehicle with the discharged battery.
2. Connect the opposite end of the positive (+) jumper cable to the positive (+) post of the booster battery.
3. Connect the negative (-) end of the jumper cable to the negative (-) post of the booster battery.
4. Connect the opposite end of the negative (-) jumper cable to the remote negative (-) post of the discharged vehicle.

**WARNING!**

Do not connect the jumper cable to the negative (-) post of the discharged battery. The resulting electrical spark could cause the battery to explode and could result in serious injury. Only use the specific ground point, do not use any other exposed metal parts.

5. Start the engine in the vehicle that has the booster battery, let the engine idle a few minutes, and then start the engine in the vehicle with the discharged battery. If using a portable battery booster pack, before starting the vehicle, wait a few seconds after completing the connection.
6. Once the engine is started, follow the disconnection procedure.

**Cable Disconnection**

1. Disconnect the negative (-) end of the jumper cable from the remote negative (-) post of the vehicle with the discharged battery.
2. Disconnect the opposite end of the negative (-) jumper cable from the negative (-) post of the booster battery.
3. Disconnect the positive (+) end of the jumper cable from the positive (+) post of the booster battery.
4. Disconnect the opposite end of the positive (+) jumper cable from the remote positive (+) post of the vehicle with the discharged battery, and reinstall the protective cap.

If frequent jump starting is required to start your vehicle, you should have the battery and charging system inspected at an authorized dealer.

**CAUTION!**

Accessories plugged into the vehicle power outlets draw power from the vehicle's battery, even when not in use (i.e., cellular phones, etc.). Eventually, if plugged in long enough without engine operation, the vehicle's battery will discharge sufficiently to degrade battery life and/or prevent the engine from starting.


**BUMP STARTING**

Never jump start the engine by pushing, towing or coasting downhill.

**NOTE:**

You cannot start a vehicle with an automatic transmission by pushing it.

**IF YOUR ENGINE OVERHEATS**

Engine overheating may occur in situations of extreme environmental temperatures, frequent engine stops/starts, or driving in heavy traffic. If the engine becomes overheated, the Engine Temperature Warning Light in the instrument cluster will illuminate along with a dedicated message  page 79.

If the vehicle is overheating, it will need to be serviced by an authorized dealer.

Potential signs of vehicle overheating:

- Temperature gauge is at HOT (H)
- Strong smell of coolant
- White smoke coming from engine or exhaust
- Coolant bottle coolant has bubbles present

**WARNING!**

You or others can be badly burned by hot engine coolant (antifreeze) or steam from your radiator. If you see or hear steam coming from under the hood, do not open the hood until the radiator has had time to cool. Never try to open a cooling system pressure cap when the radiator or coolant bottle is hot.

If the temperature gauge is moving towards or close to the HOT (H) position, reduce the potential for overheating by taking the following actions.

- On highways — slow down.
- In city traffic — while stopped, place the transmission in NEUTRAL (N), but do not increase the engine idle speed while preventing vehicle motion with the brakes.

- Turn off the A/C. The Air Conditioning (A/C) system adds heat to the engine cooling system and turning the A/C off can help remove this heat.
- 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 temperature gauge reads "H", pull over and stop the vehicle. Idle the vehicle with the air conditioner turned off until the pointer drops back into the normal range. If the pointer remains on the "H", turn the engine off immediately, and call for service.

### If Steam Is Coming From The Engine Compartment

Do not go near the front of the vehicle. Stop the engine. Wait until the steam dissipates. Then, open the hood and start the engine.

### If Neither Coolant Nor Steam Is Escaping

Open the hood and idle the engine until it cools.

#### NOTE:

- If the cooling fan does not operate while the engine is running, the engine temperature will increase. Stop the engine and contact an authorized dealer.
- If the engine continues to overheat or frequently overheats, have the cooling system inspected. The engine could be seriously damaged unless repairs are made. Contact an authorized dealer.

## MANUAL PARK RELEASE

See an authorized dealer to disengage the manual park release lever.



### WARNING!

A special tool is required to perform this procedure. Damage to the vehicle or serious injury or death may occur if the procedure is performed improperly. Please contact an authorized dealer to have this procedure performed.

## TOWING A DISABLED VEHICLE

This section describes procedures for towing a disabled vehicle using a commercial towing service.



### CAUTION!

- The vehicle should be transported with all four wheels OFF the ground on the flatbed of a roadside assistance vehicle. Avoid towing with only the front (or rear) wheels lifted. When towing with only the front (or rear) wheels lifted, in addition to damaging the body, it could damage the transmission.
- Do not use sling-type equipment when towing. Vehicle damage may occur.

*(Continued)*

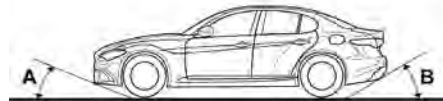


### CAUTION!

- 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.
- Ensure that the Electric Park Brake is released, and remain released, while being towed.
- Damage from improper towing is not covered under the New Vehicle Limited Warranty.

The operators of the assistance vehicle must be informed with regard to the vehicle's minimum height from ground in order to avoid contact between the ends of the fascia/bumper with the equipment of the breakdown truck.

The following image illustrates the front and rear attachment corners of the vehicle, to be taken into consideration when loading the vehicle on the assistance vehicle.



Front And Rear Loading Angles



	RWD Models	AWD Models
A — Front Loading Angle	12.880°	15.160°
B — Rear Loading Angle	17.105°	18.400°

## REAR WHEEL DRIVE (RWD) MODELS

It is recommended to tow the vehicle with all four wheels OFF the ground on the flatbed of a roadside assistance vehicle.



### CAUTION!

- Do not use sling type equipment when towing. Vehicle damage may occur.
- When securing the vehicle to a flat bed truck, do not attach to front or rear suspension components. Damage to your vehicle may result from improper towing.
- Ensure that the Electric Park Brake is released, and remains released, while being towed.

If an assistance vehicle with a flatbed is not available, the vehicle must be towed with the rear wheels lifted from the ground using a trailer or special equipment allowing lifting of the rear wheels.

## ALL WHEEL DRIVE (AWD) MODELS

It is recommended to tow the vehicle with all four wheels OFF the ground on the flatbed of a roadside assistance vehicle.



### CAUTION!

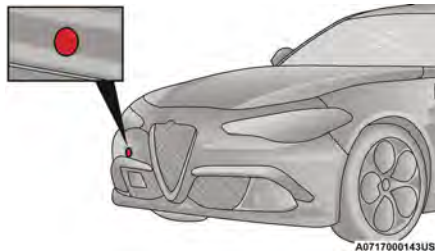
- DO NOT flat tow this vehicle. Damage to the drivetrain will result.
- DO NOT dolly tow this vehicle. Use of a towing dolly can cause significant damage to your vehicle. Towing this vehicle in violation of the approved requirements can cause severe transmission damage. Damage from improper towing is not covered under the New Vehicle Limited Warranty.

## TOW EYES

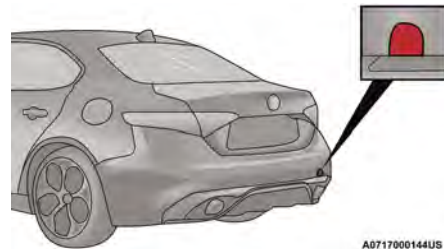
If the vehicle has been in an accident or has broken down, a tow eye is provided in the tools container located inside the luggage compartment for vehicle towing. There is one location on the front fascia/bumper available for Tow Eye installation, and one in the rear on the passenger side. Towing is meant only for short distances on a paved road surface.

Proceed as follows to use the tow eye:

1. Unhook the cap on the front (right side) or rear fascia/bumper, pushing on the upper part.



Front Tow Eye Cap Locations



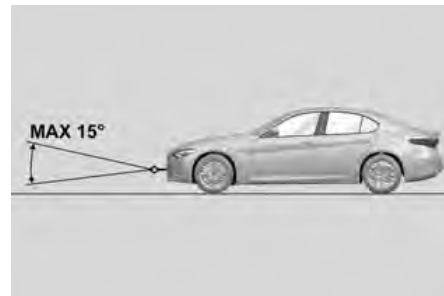
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Rear Tow Eye Cap Location

2. Remove the tow eye from its housing in the trunk and carefully clean the threaded housing on the vehicle before using it.
3. Tighten the vehicle's tow eye in place (about 11 turns).

### NOTE:

The largest work angle of a tow cable to fix on the tow hook must not exceed 15°.



Work Angle Of Tow Cable





## WARNING!

Stand clear of vehicles when pulling with tow eyes.

- Do not use a chain with a tow eye. Chains may break, causing serious injury or death.
- Do not use a tow strap with a tow eye. Tow straps may break or become disengaged, causing serious injury or death.
- Failure to follow proper tow eye usage may cause components to break resulting in serious injury or death.



## CAUTION!

- The tow eye must be used exclusively for roadside assistance operations. Only use the tow eye with an appropriate device in accordance with the highway code (a rigid bar or rope) to flat tow the vehicle for a short distance to the nearest service location.
- Tow eyes **MUST NOT** be used to tow vehicles off the road or where there are obstacles.
- In compliance with the approved conditions, towing with a tow eye must take place with two vehicles (one towing, the other towed) aligned as much as possible along the same center line. Damage to your vehicle may occur if these guidelines are not followed.
- When towing, only use a facility that can tow vehicles with low ground clearances as extensive damage can result by using a standard tow truck platform.

## ENHANCED ACCIDENT RESPONSE SYSTEM (EARS)

This vehicle is equipped with an Enhanced Accident Response System.

This feature is a communication network that takes effect in the event of an impact → page 231.

## EVENT DATA RECORDER (EDR)

This vehicle is equipped with an Event Data Recorder (EDR). The main purpose of an EDR is to record data that will assist in understanding how a vehicle's systems performed under certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle → page 233.



Correct servicing maintains the performance of the vehicle over time, as well as limits running costs and safeguards the efficiency of the safety systems.

## SCHEDULED SERVICING

Correct servicing is crucial for guaranteeing a long life for the vehicle under the best conditions.

For this reason, Alfa Romeo has planned a series of checks and services for your vehicle at fixed intervals based on distance and time, as described in the Scheduled Servicing Plan.

Before each service, follow the instructions in the Scheduled Servicing Plan (e.g. periodically check level of fluids, tire pressure, etc.).

Scheduled Servicing is offered by an authorized dealer according to a set time schedule. If, during each operation, in addition to the ones scheduled, the need arises for further replacements or repairs, these may be carried out with the owner's explicit consent only.

### NOTE:

Scheduled Servicing intervals are required by the manufacturer. Failure to have them carried out may invalidate the New Vehicle Limited Warranty.

Inform an authorized dealer of any small operating irregularities without waiting for the next service.

## PERIODIC CHECKS

Every month or every 600 miles (1,000 km) or before long trips check and, if necessary, top off:

- Engine coolant level.
- Brake fluid level (if insufficient, see an authorized dealer as soon as possible).
- Windshield washer fluid level.
- Tire inflation pressure and condition.

- Operation of lighting system (headlights, direction indicators, hazard warning lights, etc.).
- Operation of windshield washing/wiping system and positioning/wear of wiper blades.
- Inspect the CV/Universal joints.

Oil consumption of the engine depends on conditions and driving style. For this reason, the engine oil level must be checked every 1,860 miles (3,000 km), and top off if necessary ↪ page 265.

## HEAVY USAGE OF THE VEHICLE

If the vehicle is used under one of the following conditions:

- Dusty roads.
- Short, repeated journeys less than 4 miles (7 km) at sub-zero outside temperatures.
- Engine often idling or driving long distances at low speeds or long periods of inactivity.
- In the event of a long period of inactivity.

The following checks must be carried out more often than indicated in the Scheduled Servicing Plan:

- Check cleanliness of hood and trunk locks, cleanliness and lubrication of linkage.
- Visually inspect conditions of: engine, transmission, pipes and hoses (exhaust/fuel system/brakes) and rubber elements (sleeves/bushes, etc.).
- Check battery charge and battery fluid level (electrolyte).
- Visually inspect conditions of the accessory drive belts.
- Check and, if necessary, change engine oil and replace oil filter.
- Check and, if necessary, replace cabin air filter.
- Check and, if necessary, replace engine air cleaner filter.

## Severe Duty All Models

Vehicles that are operated in a dusty and off-road environment, or predominately at idle or very low engine RPM are known as Severe Duty vehicles. It is recommended that you change engine oil at 4,000 miles (6,500 km) or 350 hours of engine run time.

## MAINTENANCE PLAN — 2.0L ENGINE

Thousands Of Miles	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Years	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Thousands Of Kilometers	16	32	48	64	80	96	112	128	144	160	176	192	208	224	240
SOS back up battery replacement (if equipped).(1)					•					•					•
Check battery charge status with the proper instrument.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Check tire condition/wear and adjust pressure, if necessary. Check the tire repair kit recharge condition and expiration date.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Check operation of lighting system (headlights, direction indicators, hazard warning lights, trunk lid, passenger compartment, glove compartment, instrument panel warning lights, etc.).	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Check and, if necessary, top up fluid levels.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Check engine control system operation (via diagnostic tool) and, if equipped, engine oil degradation. (2)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Visually inspect conditions of: exterior bodywork, underbody protection, pipes and hoses (exhaust, fuel system, brakes), rubber elements (sleeves, bushes, etc.).		•		•		•		•		•		•		•	
Check position/wear of front windshield wiper blade.	•		•		•		•		•		•		•		•
Check operation of the windshield wiper/washer system and adjust nozzles, if necessary.	•		•		•		•		•		•		•		•

(1) The SOS back up battery must be replaced every five years, regardless of mileage.

(2) If oil degradation ratio (data collectible from diagnostic device) is more than 80% (oil quality less than 20%), engine oil and filter replacement is recommended.



Thousands Of Miles	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Years	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Thousands Of Kilometers	16	32	48	64	80	96	112	128	144	160	176	192	208	224	240
Check cleanliness of hood and luggage compartment locks, cleanliness and lubrication of linkage.		•		•		•		•		•		•		•	
Visually inspect conditions and wear of front/rear disc brake pads and operation of pad wear indicators.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Visually inspect the condition and tensioning of the accessory drive belt(s).	•	•	•		•	•	•		•	•	•		•	•	•
Change engine coolant.															•
Change engine oil and replace oil filter.(3)															
Replace transfer case oil (AWD models only).								•							
Replace accessory drive belt(s).															•
Replace engine air cleaner filter.(4)			•			•				•		•			•
Replace additional fuel filter (if equipped).	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Change the brake fluid.(5)															
Replace cabin air filter.(4)	o	•	o	•	o	•	o	•	o	•	o	•	o	•	o

(3) The actual interval for changing engine oil and replacing the engine oil filter depends on the vehicle usage conditions and is signaled by the warning light or message in the instrument panel. In all cases, never exceed 1 year/10,000 miles (16,000 km).

(4) If the vehicle is used in dusty areas, the engine and/or cabin air cleaner filter must be replaced every 10,000 miles (16,000 km).

(5) The brake fluid replacement has to be done every two years, irrespective of the mileage.

(4) If the vehicle is used in dusty areas, the cabin and/or engine air filter must be replaced every 10,000 miles (16,000 km).

Thousands Of Miles	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Years	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Thousands Of Kilometers	16	32	48	64	80	96	112	128	144	160	176	192	208	224	240

Spark plug replacement.(6)

(6) The spark plug change interval is 60,000 miles for NAFTA market or 60,000 km outside NAFTA. Yearly intervals do not apply.

(o) Recommended operations

(●) Mandatory operations















#### 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.



## MAINTENANCE PLAN — 2.9L ENGINE

Thousands Of Miles	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Years	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Thousands Of Kilometers	16	32	48	64	80	96	112	128	144	160	176	192	208	224	240
SOS back up battery replacement (if equipped).(1)					•					•					•
Check battery charge status with the proper instrument.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Check tire condition/wear and adjust pressure, if necessary. Check the tire repair kit recharge condition and expiration date.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Check operation of lighting system (headlights, direction indicators, hazard warning lights, trunk lid, passenger compartment, glove compartment, instrument panel warning lights, etc.).	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Check and, if necessary, top up fluid levels.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Check engine control system operation (via diagnostic tool).	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Visually inspect conditions of: exterior bodywork, underbody protection, pipes and hoses (exhaust, fuel system, brakes), rubber elements (sleeves, bushes, etc.).		•		•		•		•		•		•		•	
Check position/wear of front windshield wiper blade.	•		•		•		•		•		•		•		•
Check operation of the windshield wiper/washer system and adjust nozzles, if necessary.	•		•		•		•		•		•		•		•
Check cleanliness of hood and luggage compartment locks, cleanliness and lubrication of linkage.		•		•		•		•		•		•		•	

Thousands Of Miles	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	
Years	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Thousands Of Kilometers	16	32	48	64	80	96	112	128	144	160	176	192	208	224	240	
Visually inspect conditions and wear of front/rear disc brake pads and operation of pad wear indicators.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Visually inspect the brake discs surface and edge.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Brake pads/brake discs replacement.(2)																
Visually inspect the condition and tensioning of the accessory drive belt(s).	•	•	•		•	•	•		•	•	•		•	•	•	
Change engine coolant.															•	
Change engine oil and replace oil filter.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Replace accessory drive belt/s.(3)																
Replace engine air cleaner filter.(4)		•		•		•		•		•		•		•		
Replace additional fuel filter (if equipped).	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Change the brake fluid.(5)																

(2) The actual interval for changing the brake pads and the carbon ceramic brake discs depends on the vehicle usage conditions and is signaled by the warning light or message on the instrument panel. After each discs replacement, reset the warning light using the diagnostic socket.

(3) Areas that are not dusty: recommended maximum mileage 36,000 miles (60,000 km). Regardless of the mileage, the belt must be replaced every four years. Dusty areas and/or demanding use of the vehicle (cold climates, town use, long periods of idling): advised maximum mileage 18,000 miles (30,000 km). Regardless of the mileage, the belt must be replaced every two years.

(4) If the vehicle is used in dusty areas, the engine and/or cabin air cleaner filter must be replaced every 10,000 miles (16,000 km).

(5) The brake fluid replacement has to be done every two years, irrespective of the mileage.

Thousands Of Miles	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Years	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Thousands Of Kilometers	16	32	48	64	80	96	112	128	144	160	176	192	208	224	240
Replace cabin air filter. (4)	o	●	o	●	o	●	o	●	o	●	o	●	o	●	o
Spark plug replacement.(7)			●			●			●			●			●

(4) If the vehicle is used in dusty areas, this cabin and/or engine air filter must be replaced every 10,000 miles (16,000 km).

(7) The spark plug change interval is mileage-based only. Yearly intervals do not apply.

(o) Recommended operations

(●) Mandatory operations



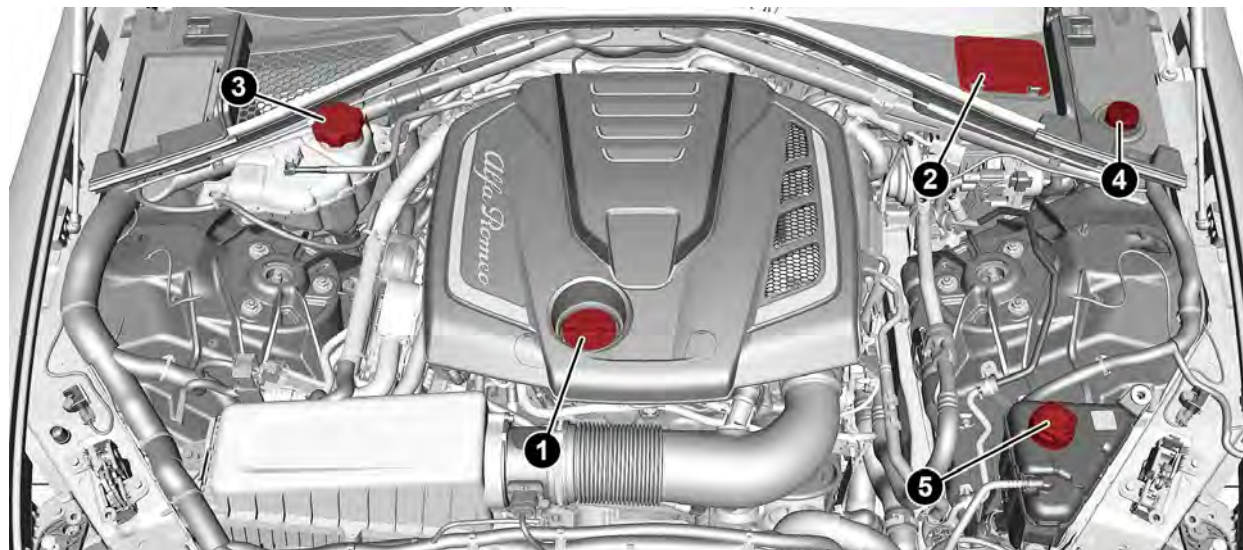
### WARNING!

- 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.



# ENGINE COMPARTMENT

## CHECKING LEVELS — 2.0L ENGINE



1 - Engine Oil Filler Cap

2 - Brake Fluid Reservoir Access Cover

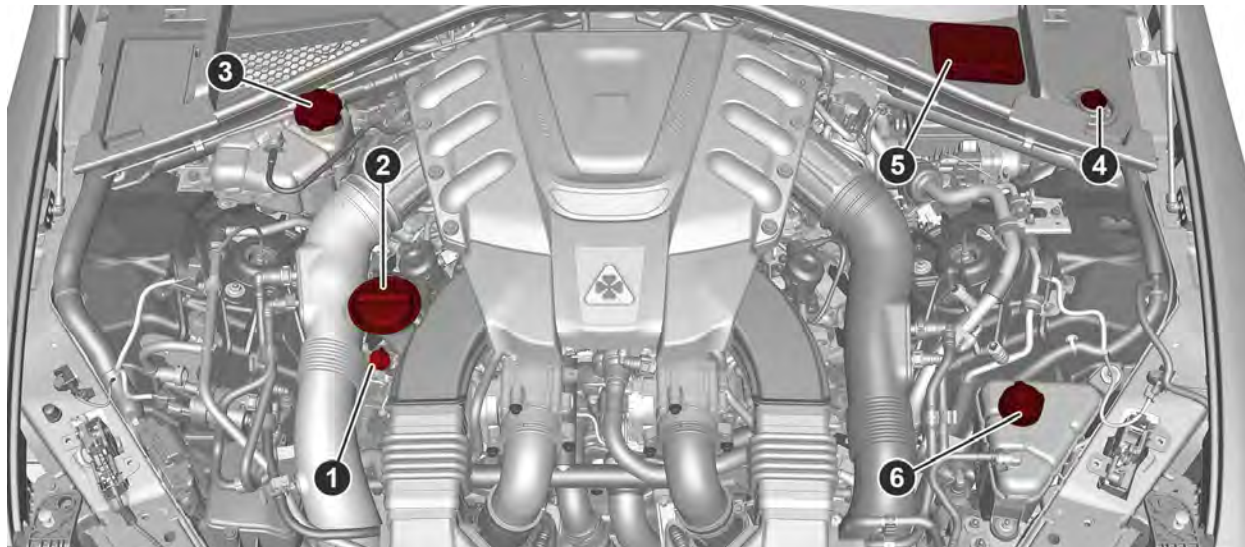
3 - Engine Coolant Reservoir Cap

4 - Windshield/Headlights Washer Fluid Reservoir Cap

5 - Intercooler Coolant Reservoir Cap



## CHECKING LEVELS — 2.9L ENGINE



1 – Engine Oil Dipstick

2 – Engine Oil Filler

3 – Engine Coolant Reservoir Cap

4 – Windshield/Headlight Washer Fluid Reservoir Cap

5 – Brake Fluid Reservoir Cap Access Cover

6 – Intercooler Coolant Reservoir Cap

## ENGINE OIL

The engine oil level can be seen on the instrument cluster display every time the engine is started, or on the Information and Entertainment system display by activating on the main menu (MENU button) the following functions in sequence: "Vehicle Information"; "Engine Oil".

Check on the display using the 6 notches that the oil level is between the MIN and MAX level: 1 notch MIN level, 6 notches MAX level.

### NOTE:

Use care when filling under hood fluids such as engine oil, windshield washer fluid, antifreeze etc. to minimize spillage onto the top of the engine. Any excess fluid that is spilled onto the top of the engine should be removed using compressed air or an absorbent cloth.

If the oil level is close to or below the MIN mark, add oil gradually through the filler, (refer to "Top-Up And Oil Level Indication Update On Display" in this section) considering that each notch shown on the display corresponds to approximately 8.8 fl oz (250 ml).

The oil level can also be checked manually on 2.9L Engines.



### CAUTION!

Make sure not to add too much oil when topping off the engine. Engine oil in excess may damage the engine. Have the vehicle checked. Never exceed the MAX level when topping off engine oil. It is advisable to check the oil level in intermediate steps using the oil dipstick (2.9L Engine Only).



### CAUTION!

The oil level is not refreshed immediately on the display after topping off. Consequently, wait for the oil level to be refreshed on the display and see the following procedures.

### NOTE:

Always reinstall the oil cap and tighten to proper torque whenever it is removed. Never run the engine with cap removed as this could cause oil to leak from engine.

### Manual Oil Level Checking Procedure — 2.9L Engine

Check that the oil level is between the MIN and MAX marks on dipstick, clean it with a lint-free cloth and reinsert it. Extract the dipstick again and check that the level is between the MIN and MAX marks.

### Top-Up And Oil Level Indication Update On Display — 2.9L Engine

If an engine oil top-off is needed, in order to ensure the correct indication of the oil level on the display, proceed with the following process:

- Leave the car on flat ground with the engine running for approximately five minutes (temperature higher than 198°F (90°C) and shut the engine off.
- Wait for five minutes, turn the ignition to the ON mode without starting the engine and wait for a few seconds.

### NOTE:

If the level indication is not updated after the previously described procedure, repeat the process, shut the engine off and wait another five minutes before starting it again. If the indication is not updated after the second start, contact an authorized dealer.

### Top-Up And Oil Level Indication Update On Display — 2.0L Engine

If an engine oil top-off is needed, in order to ensure the correct indication of the oil level on the display, proceed with the following process:

- Leave the car on flat ground with the engine running for approximately five minutes (temperature higher than 176°F (80°C) and shut the engine off.
- Start the engine again and idle it for about two minutes.

### NOTE:

If you have added the specified amount of oil and the indicator is not reading "Full", please contact an authorized dealer.



**WARNING!**

If the engine oil is being topped up, wait for the engine to cool down before loosening the filler cap, particularly for vehicles with aluminum caps (if equipped). **WARNING:** risk of burns!

**CAUTION!**

The oil level must never exceed the MAX mark.  
If the MAX mark is exceeded (last notch on the right turns red) after the fill-up, go to an authorized dealer as soon as possible to have the oil in excess removed.  
Do not add oil with specifications different from those of the oil already in the engine.  
Used engine oil and oil filters contain substances which are harmful to the environment. To change the oil and filters, we advise you to contact an authorized dealer.

**ENGINE COOLANT**

If the level is too low, remove the cap of reservoir and add the fluid described on page 310.

**WASHER FLUID FOR WINDSHIELD/HEADLIGHTS**

The windshield and headlights washer fluid reservoir has a telescopic filler.

If the level is too low, remove reservoir cap and lift the filler. Then, add the fluid described on page 310.

**NOTE:**

Use care when filling under hood fluids such as engine oil, windshield washer fluid, antifreeze etc. to minimize spillage onto the top of the engine. Any excess fluid that is spilled onto the top of the engine should be removed using compressed air or an absorbent cloth.

**NOTE:**

The headlight washing system will not work if the liquid level is low (as indicated by the symbol on the instrument cluster display). On vehicles equipped with headlight washers, there is a reference notch on the dipstick: **ONLY** the windshield/rear window washer operates with the level below this reference.

**BRAKE FLUID**

Check that the fluid is at the maximum level. If the fluid level in the tank is low, contact an authorized dealer to have the system checked.

**AUTOMATIC TRANSMISSION ACTIVATION SYSTEM OIL**

The transmission control oil level should only be checked at an authorized dealer.

**USEFUL ADVICE FOR EXTENDING THE LIFE OF YOUR BATTERY**

To avoid draining your battery and make it last longer, observe the following instructions:

- When you park the car, ensure that the doors and trunk are closed properly to prevent any lights from remaining on inside the passenger's compartment.
- Do not keep accessories (e.g. radio, hazard warning lights, etc.) switched on for a long time when the engine is not running.

- Before performing any operation on the electrical system, disconnect the negative battery cable.

If you wish to install electrical accessories after purchasing the car that require permanent electrical supply (e.g. alarm, etc.), or accessories which influence the electrical supply requirements, contact an authorized dealer, whose qualified staff will evaluate the overall electrical consumption.

**CAUTION!**

If the charge level remains under 50% for a long time, the battery may be damaged by sulphation, reducing its capacity and efficiency during a vehicle start. The battery is also more prone to the risk of freezing (at temperatures as high as 14 °F (-10 °C).

**NOTE:**

After the battery is disconnected, the steering must be initialized. The warning light on the instrument panel switches on to indicate this. To carry out this procedure, simply turn the steering wheel all the way from one end to the other, and then turn it back to the central position.

## BATTERY

The battery does not require the electrolyte to be topped up with distilled water. A periodic check carried out at an authorized dealer, however, is necessary to check efficiency.

Follow the battery manufacturer's instructions for maintenance.

### Replacing The Battery

If necessary, replace the battery with another original battery with the same specifications. Follow the battery manufacturer's instructions for maintenance.



### WARNING!

- Battery acid is a corrosive solution and can burn or even blind you. Do not allow battery acid to contact your eyes, skin, or clothing. Do not lean over a battery when attaching clamps → page 251. If acid splashes in eyes or on skin, flush the area immediately with large amounts of water.
- Battery gas is flammable and explosive. Keep flame or sparks away from the battery. Do not use a booster battery or any other booster source with an output greater than 12 Volts. Do not allow cable clamps to touch each other.
- Battery posts, terminals, and related accessories contain lead and lead compounds. Wash hands after handling.

### NOTE:

It will not be possible to open the trunk with a key or by pushing the button in the passenger compartment when the battery is disconnected. So, always position the manual trunk opening strap on the trunk lock before disconnecting the battery → page 296.

## PRESSURE WASHING

Cleaning the engine compartment with a high pressure washer is not recommended.



### CAUTION!

Precautions have been taken to safeguard all parts and connections however, the pressures generated by these machines is such that complete protection against water ingress cannot be guaranteed.

## BATTERY RECHARGING IMPORTANT NOTES



### WARNING!

- Never charge or recharge a frozen battery: it may explode because of the nitrogen trapped inside the ice crystals.
- At all times while charging or recharging the battery, make sure that any sparks or open flames are kept sufficiently far away from the battery.

### NOTE:

- Before using the charging device, always make sure that it is appropriate for the installed battery, with constant voltage (below 14.8 Volts) and low amperage (maximum 15 Amps).
- Recharge the battery in a well ventilated environment.
- Before using any devices to charge or to maintain the charge of the battery, carefully follow the instructions provided with the device in order to properly and safely connect it to the car battery.

You can recharge the battery without disconnecting the wires of the vehicle's electrical system.

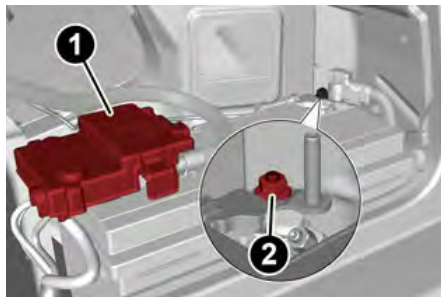
- To reach the battery, remove the access panel inside the trunk.



Battery Access Panel

- Remove the protective cover and connect the positive cable terminal of the charger (usually red) to the positive terminal (+) of the battery.
- Connect the negative terminal of the charger (usually black) to nut next to the negative terminal (-) of the battery.





Battery

- 1 — Protective Cover  
2 — Negative Post (Nut)

The vehicle is equipped with an Intelligent Battery Sensor (IBS), which is able to measure the charge and discharge voltage and calculate the charge level and the general condition of the battery. The sensor is placed next to the negative terminal (-) of the battery.

For a correct charge/discharge procedure, the charge voltage must go through the IBS sensor.

1. Turn the charger on and follow the instructions on the user's manual to completely recharge the battery.
2. When the battery is charged, turn the charger off before disconnecting it from the battery.
3. Disconnect the black cable terminal of the battery charger and then the red cable terminal.
4. Refit the protective cover of the positive terminal of the battery and the access cover to the battery compartment.

**NOTE:**

If a "quick-type" battery charger is used with the battery fitted on the vehicle, before connecting it disconnect both cables of the battery itself. Do not use a "quick-type" battery charger to provide the starting voltage.

## VEHICLE MAINTENANCE

The following pages contain instructions on the required maintenance from the technical personnel who designed the vehicle.

In addition to these specific maintenance instructions specified for routine scheduled servicing, there are other components which may require periodic maintenance or replacement over the vehicle's life cycle.

### ENGINE OIL

#### Engine Oil Level Check

To ensure correct engine lubrication, the oil must always be kept at the appropriate level.

Check the oil level at regular intervals, for example every 1,864 miles (3,000 km).

It must be checked once full operating temperature is reached.

The vehicle must also be parked on as level a surface as possible.

The engine oil level can be checked using the Information and Entertainment system. To access the function, activate the main menu (MENU button) and select the following options in sequence: "Vehicle Information"; "Engine Oil".

#### Changing The Engine Oil

For the correct servicing intervals ⇨ page 256.

### Choice Of Engine Oil Type

To ensure optimal performance and maximum protection in all operating conditions, it is advisable to only use certified engine oils ⇨ page 310.

#### Additives For Engine Oil

It is strongly recommended not to use additives (other than leak detection dyes) with the engine oil.

The engine oil is a product designed especially for the vehicle and its performance may be deteriorated through the use of further additives.

#### Disposal Of Used Engine Oil And Filters

For disposal of used engine oil and filters, consult the appropriate local regulations.

**NOTE:**

Inappropriate disposal of used engine oil may seriously harm the environment.

### ENGINE OIL FILTER

The engine oil filter should be replaced with a new filter at every engine oil change.

#### Engine Oil Filter Selection

A full-flow type disposable oil filter should be used for replacement. The quality of replacement filters varies considerably. Only high quality Mopar® certified filters should be used.

### ENGINE AIR CLEANER

#### Engine Air Cleaner Filter Selection

The quality of replacement filters varies considerably. Only high quality Mopar® certified filters should be used.

## AIR CONDITIONING SYSTEM MAINTENANCE


To ensure the best possible performance, the air conditioning system must be checked and undergo maintenance at an authorized dealer at the beginning of the summer.



### CAUTION!

Do not use chemicals to clean the air conditioning system, since the internal components may be damaged. This kind of damage is not covered by warranty.

### Replace The Cabin Air Cleaner

For the correct servicing intervals  page 256. For cabin air cleaner replacement, contact an authorized dealer.



### 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 in your owner's information kit, for further warranty information.

## LUBRICATING MOVING PARTS OF THE BODYWORK

Ensure that the locks and bodywork junction points, including components such as the seat guides, door hinges (and rollers), trunk and hood are periodically lubricated with lithium-based grease to ensure correct, silent operation and to protect them from rust and wear.

Thoroughly clean the components, eliminating every trace of dirt and dust. After lubricating, eliminate excess oil and grease. Also pay particular attention to the hood closing devices, to ensure correct operation. During operations on the hood, to be carried out with the engine cold, also remember to check, clean and lubricate the locking, release and safety devices.

Lubricate the external lock barrels twice a year. Apply a small amount of high-quality lubricant directly into the lock barrel.

If necessary, contact an authorized dealer as soon as possible.

## WINDSHIELD WIPER

Periodically clean the windshield and rear window and rubber profile of the windshield wiper blades, using a sponge or a soft cloth and a non-abrasive detergent. This eliminates the salt or impurities accumulated when driving.

Prolonged operation of the windshield wipers with dry glass may cause the deterioration of the blades, in addition to abrasion of the surface of the glass. To eliminate the impurities on the dry glass, always operate the windshield washers.

In the event of very low outdoor temperatures, below 0°F (-17.8°C), ensure that the movement of the rubber part in contact with the glass is not obstructed. Use a suitable deicing product to release it if required.

Avoid using the windshield wipers to remove frost or ice.

Also avoid contact of the rubber profile of the blades with petroleum derivatives such as engine oil, gas, etc.



### WARNING!

Driving with worn windshield wiper blades is a serious hazard, because visibility is reduced in bad weather conditions.

### NOTE:

The life of the windshield wiper blades varies according to the usage frequency. In any case, it is advised to replace the blades approximately once a year. When the blades are worn, noise, marks on the glass or streaks of water may be noticed. In the presence of these conditions, clean the windshield wiper blades or, if necessary, replace them.

### Raising The Windshield Wiper Blades (Service Position Function)

The Service Position function allows for easier replacement of the windshield wiper blades. It is also recommended for snow or for removing any dirt deposits during washing in the area where the blades are normally positioned.

### Activation Of The Function

Disable the windshield wipers before placing the ignition in the OFF position.

This function can only be activated within two minutes of placing the ignition in OFF.



To activate this function, move the lever upward for at least three seconds.



Windshield Wiper Stalk

#### Function Deactivation

The function is deactivated if:

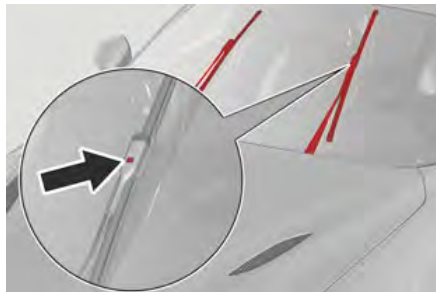
- More than two minutes passes before placing the ignition in the STOP position (after having raised the lever and putting the wipers into Service Position).
- The ignition is placed in the ACC position and the windshield wiper control is used.

If, after using the function, the ignition is set back to ACC with the blades in a position other than rest position (at the base of the windshield), they will only return to rest position following a command using the windshield wiper stalk or when a speed of 3 mph (5 km/h) is exceeded.

#### Replacing The Windshield Wiper Blades

Proceed as follows:

1. Raise the wiper arm, press tab of the attachment spring and remove the blade from the arm.



Wiper Release Tab

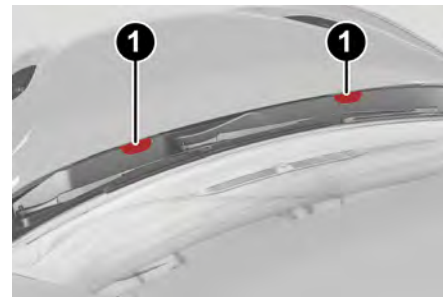
2. Fit the new blade, inserting the tab in the dedicated housing in the arm and checking that it is locked.
3. Lower the wiper arm onto the windshield.

#### NOTE:

Do not operate the windshield wiper with the blades lifted from the windshield.

#### Windshield Washer

The window washer nozzles are fixed. If there is no jet of fluid, first check that there is fluid in the reservoir.



Windshield Washers

1 – Washer Nozzles

Then, check that the nozzle holes are not clogged; use a needle to unblock them if necessary.

#### EXHAUST SYSTEM

Adequate maintenance of the engine exhaust system represents the best protection against leaks of carbon monoxide into the passenger compartment.

If an unusual noise from the exhaust or the presence of smoke in the passenger compartment is identified, or if the underbody or rear section of the vehicle have been damaged, have the entire exhaust system and adjoining bodywork areas checked at an authorized dealer to identify any components which are broken, damaged, worn or have moved from their correct fitting position.



Open welding or loose connections may permit exhaust gas to enter the passenger compartment.

Have the exhaust system checked every time the vehicle is raised. Replace the components where necessary (for these operations, contact an authorized dealer).

In normal operating conditions, the catalytic converter does not require maintenance. To ensure that it operates correctly, however, and prevent it from getting damaged, it is extremely important that the engine operates perfectly.

To minimize the risk of damaging the catalytic converter, proceed as follows:

- Do not stop the engine or deactivate the ignition with gear engaged and vehicle in motion.
- Do not attempt to start the engine by bump starting.
- Do not persist in using the vehicle if idling is very irregular or the operating conditions are very notably irregular.



#### 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.
- 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.

## ENGINE COOLING SYSTEM



#### WARNING!

- You or others can be badly burned by hot engine coolant (antifreeze) or steam from your radiator. If you see or hear steam coming from under the hood, do not open the hood until the radiator has had time to cool. Never open a cooling system pressure cap when the radiator or coolant bottle is hot.
- Keep hands, tools, clothing, and jewelry away from the radiator cooling fan when the hood is raised. The fan starts automatically and may start at any time, whether the engine is running or not.
- When working near the radiator cooling fan, disconnect the fan motor lead or turn the ignition to the OFF position. The fan is temperature controlled and can start at any time the ignition is in the ON position.

#### Coolant Check

Your vehicle has two cooling systems and they both need to be checked to ensure they are at proper fill levels.

Check the engine coolant and intercooler coolant level every oil change or before long trips.

If there are impurities in the engine coolant, the system must be drained, flushed and refilled: contact an authorized dealer.

Check the front part of the condenser for any buildup of insects, leaves or other debris. Should it be dirty, clean it by spraying delicately with water.

Check the hoses of the engine/intercooler cooling system to ensure that the rubber has not deteriorated and that there are no cracks, tears, cuts or obstructions in the expansion tank side and radiator side connectors. Should there be any doubt regarding leaks from the system (e.g. if frequent top ups are required), have the seal checked at an authorized dealer.

With the engine off and at normal operating temperature, check that the cooling system radiator cap is closed properly.



#### WARNING!

- Do not open hot engine cooling system. Never add engine coolant (antifreeze) when the engine is overheated. Do not loosen or remove the cap to cool an overheated engine. Heat causes pressure to build up in the cooling system. To prevent scalding or injury, do not remove the pressure cap while the system is hot or under pressure.
- Do not use a pressure cap other than the one specified for your vehicle. Personal injury or engine damage may result.

#### NOTE:

Before removing the coolant reservoir cap, wait for the system to cool down.

#### Topping Up / Draining / Flushing The Engine/ Intercooler Coolant

If the engine coolant (antifreeze) is dirty, have cleaning and flushing carried out at an authorized dealer.

For the correct servicing intervals → page 256.



**NOTE:**

- ❑ For topping up, use a fluid with the same characteristics as those indicated on ⇨ page 310.
- ❑ Do not use pure water, alcohol-based coolants, corrosion inhibitors or additional anti-rust products because they may be incompatible with the engine coolant and cause the clogging of the radiator. The use of propylene glycol-based coolant is also not recommended.
- ❑ Use care when filling under hood fluids such as engine oil, windshield washer fluid, antifreeze etc. to minimize spillage onto the top of the engine. Any excess fluid that is spilled onto the top of the engine should be removed using compressed air or an absorbent cloth.

**Engine Cooling/Intercooler System Cap**

To prevent loss of engine coolant, make sure that the expansion tank cap is closed. If it is open, screw it completely until you reach/hear the click.

Periodically check the cap and clean it from any foreign bodies that may have deposited on the external surface.

**WARNING!**

- ❑ Never add coolant with the engine hot or overheated.
- ❑ Do not attempt to cool an overheated engine by loosening or removing the cap. The heat causes a considerable increase in pressure in the cooling system.
- ❑ To prevent damage to the engine, only use the engine cooling circuit caps provided.

**Disposal Of Used Coolant**

Disposal of engine/intercooler coolant is subject to legal requirements: consult the appropriate local regulations.

**NOTE:**

- ❑ To prevent the fluid from being ingested by children or animals, do not keep it in open containers or pour it on the ground. If ingested, contact a doctor immediately. Eliminate any traces of fluid from the ground immediately.
- ❑ When the vehicle stops after a short trip, steam may be seen coming out from front of the hood. This is a normal phenomenon which is due to the presence of rain, snow or a lot of moisture on the surface of the radiator.
- ❑ With engine and system cold, do not top up with coolant beyond the maximum level indicated on the reservoir in the engine compartment.

**BRAKING SYSTEM**

In order to guarantee the efficiency of the braking system, periodically check its components; for this operation, contact an authorized dealer.

For the correct servicing intervals ⇨ page 256.

**NOTE:**

- Driving with your foot resting on the brake pedal may compromise its efficiency, increasing the risk of accidents. When driving, never keep your foot on the brake pedal and don't put unnecessary strain on it to prevent the brakes from overheating: excess pad wear may cause damage to the braking system.
- ❑ When an insufficient oil level is detected, contact an authorized dealer to have the system checked.
- ❑ Always keep the cap of the brake fluid reservoir (in the engine compartment) completely closed.

**WARNING!**

- ❑ Use only the manufacturer recommended brake fluid ⇨ page 311. 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.
- ❑ To avoid contamination from foreign matter or moisture, use only new brake fluid or fluid that has been in a tightly closed container. Keep the master cylinder reservoir cap secured at all times. Brake fluid in an open container absorbs moisture from the air resulting in a lower boiling point. This may cause it to boil unexpectedly during hard or prolonged braking, resulting in sudden brake failure. This could result in a collision.
- ❑ Overfilling the brake fluid reservoir can result in spilling brake fluid on hot engine parts, causing the brake fluid to catch fire. Brake fluid can also damage painted and vinyl surfaces, care should be taken to avoid its contact with these surfaces.
- ❑ Do not allow petroleum-based fluid to contaminate the brake fluid. Brake seal components could be damaged, causing partial or complete brake failure. This could result in a collision.

## AUTOMATIC TRANSMISSION

Use only a transmission oil with the same characteristics as those indicated on [page 311](#).

### Special Additives

Do not use any type of additive with the automatic transmission oil. The automatic transmission oil is a product designed especially for this vehicle and its performance may be compromised through the use of further additives.



### 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.

### Frequency Of Oil Changes

In normal vehicle operating conditions, it is not necessary to change the transmission oil.



### CAUTION!

If a transmission fluid leak occurs, visit an authorized dealer immediately. Severe transmission damage may occur. An authorized dealer has the proper tools to adjust the fluid level accurately.

## REPLACING THE BATTERY

If necessary, replace the battery with another battery with the same specifications. It is advised to contact an authorized dealer for replacement.

### NOTE:

Each time the 12V battery is reconnected, cycle the steering wheel all the way to the left. Then cycle the steering wheel all the way to the right to allow the steering angle sensor to learn the steering angle thresholds.

Follow the battery manufacturer's instructions for maintenance.

### NOTE:

It will not be possible to open the trunk with a key or by pressing the button in the passenger compartment when the battery is disconnected. So, always position the manual trunk opening strap on the trunk lock before disconnecting the battery [page 296](#).

## FUSES

### General Information



### WARNING!

- ❑ When replacing a blown fuse, always use an appropriate replacement fuse with the same amp rating as the original fuse. Never replace a fuse with another fuse of higher amp rating. Never replace a blown fuse with metal wires or any other material. Do not place a fuse inside a circuit breaker cavity or vice versa. Failure to use proper fuses may result in serious personal injury, fire and/or property damage.

(Continued)



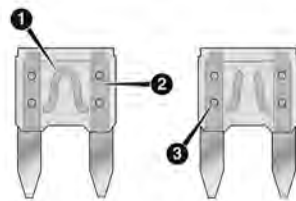
### WARNING!

- ❑ Before replacing a fuse, make sure that the ignition is off and that all the other services are switched off and/or disengaged.
- ❑ If the replaced fuse blows again, contact an authorized dealer.
- ❑ If a general protection fuse for safety systems (air bag system, braking system), power unit systems (engine system, transmission system) or steering system blows, contact an authorized dealer.

The fuses protect electrical systems against excessive current.

When a device does not work, you must check the electrical circuit inside of the fuse for a break/melt.

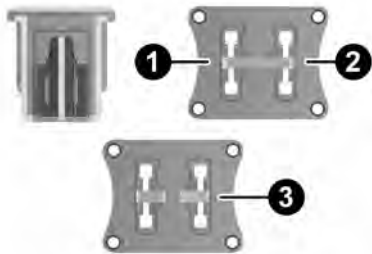
Also, please be aware that using power outlets for extended periods of time with the engine off may result in vehicle battery discharge.



Blade Fuses

- 1 – Electrical Circuit
- 2 – Blade Fuse With Good Electrical Circuit
- 3 – Blade Fuse With Bad Electrical Circuit



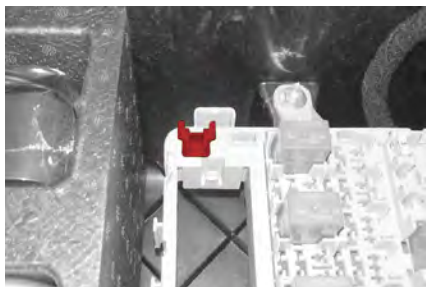


J-CASE Fuse

- 1 — Electrical Circuit
- 2 — Case Fuse With Good Electrical Circuit
- 3 — Case Fuse With Bad Electrical Circuit

#### Fuse Extracting Pliers

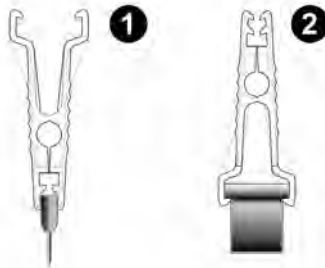
To replace a fuse, use the pliers hooked to the fuse box.



Fuse Box

Grab the pliers from the upper tabs, press them, and extract the pliers pulling upwards.

The pliers have two different ends, both of which are specifically designed to remove the different types of fuses present in the vehicle:



Fuse Extracting Pliers

- 1 — MINI Fuse
- 2 — J-CASE Fuse

After use, return the pliers to their proper position using the following procedure:

- Grab the pliers from the upper tabs and insert them into their housing.
- Push downward on the pliers into their housing until they click into place.

## Fuse Location

The fuses, which can be replaced by the user, are grouped in two boxes below the passenger side footboard and inside the trunk.

### Control Unit Under Passenger Side Footboard

To access the fuses, proceed as follows:

1. Lift the upper end of the footboard on the passenger side, pulling to release the two buttons.



Release Buttons On Footboard

- 1 — Footboard

2. Unscrewing the two hooks, remove the panel pulling downward.



**Release Hooks On Footboard**

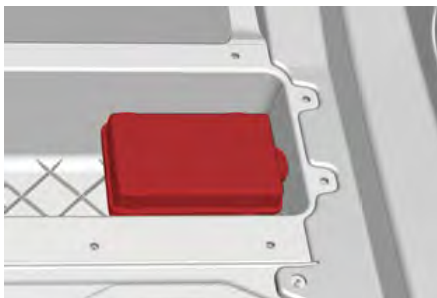
2 – Panel

The fuses are freely accessible on the control unit. After replacing the fuse, make sure that panel and footboard are correctly locked.

## Luggage Compartment Fuse Box

To access the fuses, proceed as follows:

1. Lift the luggage compartment cover.
2. Remove the control unit cover.

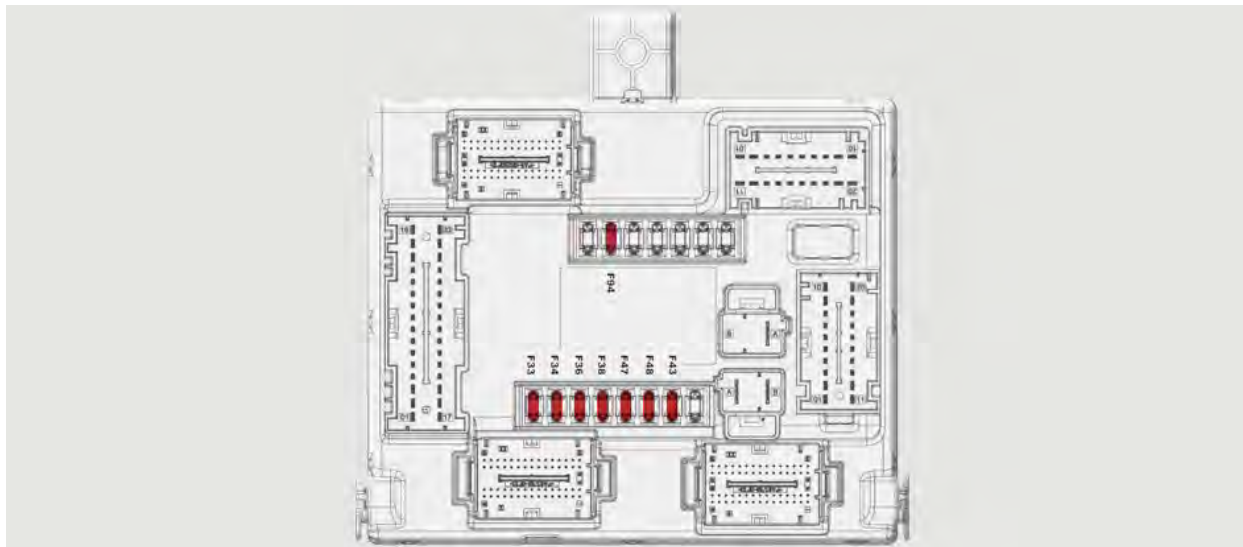


**Control Unit**

The fuses are freely accessible on the control unit. The number identifying the electrical component corresponding to each fuse is shown on the cover. After replacing a fuse, make sure that you have closed cover correctly.



## Control Unit Under Passenger Side Footboard

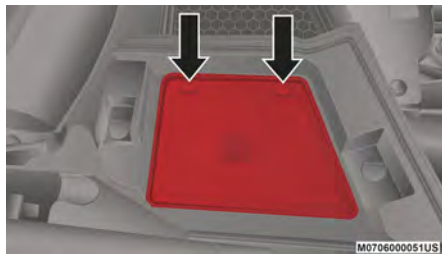


Passenger Side Control Unit

FUNCTION	FUSE	AMPERAGE
Front power window (driver side)	F33	25
Front power window (passenger side)	F34	25
Supply for Information and Entertainment system, Climate Control system, Alarm, Power door mirror folding, EOBD system, USB port	F36	15
Safe Lock device (driver side door unlock – if equipped), Doors unlock, Central lock	F38	20
Windshield washer pump	F43	20
Rear left power window	F47	25
Rear right power window	F48	25
Heater rear window coil and Exterior mirror defrosting	F94	15

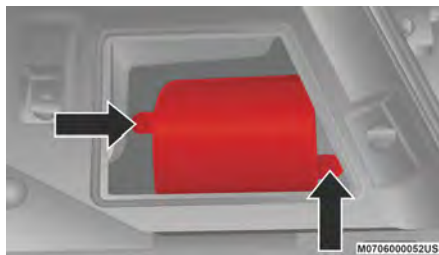
## Under Hood Power Distribution Center (PDC)

To access the fuses, remove the access door that is located under the hood on the left side rear.



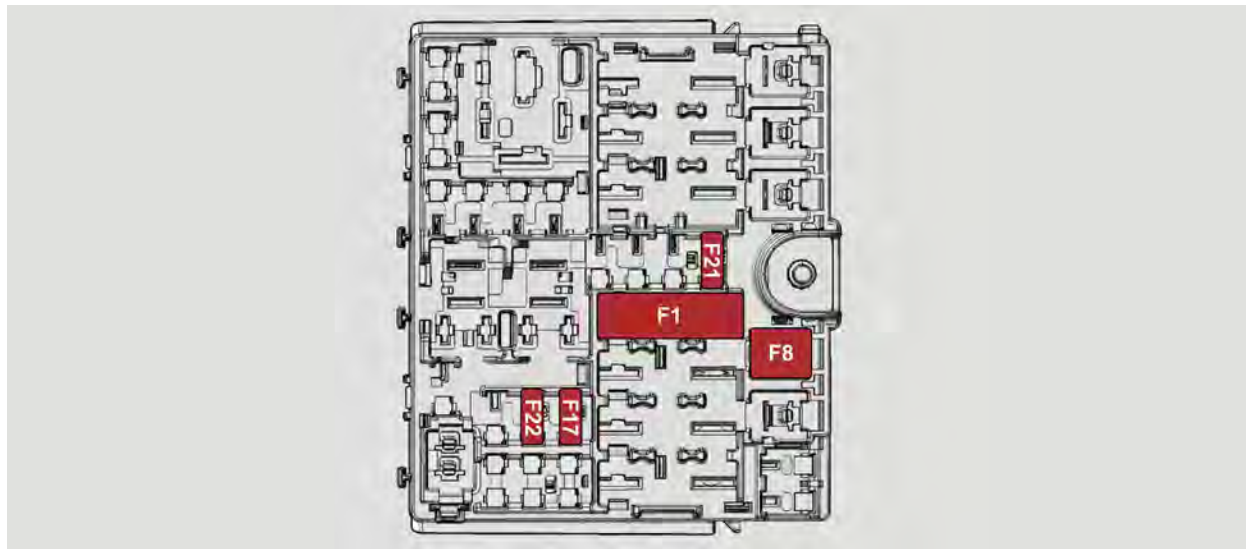
Under Hood Access Cover

To remove fuse cover, loosen the screws with a suitable tool.



Under Hood Fuse Panel Cover





Under Hood Control Unit

FUNCTION	FUSE	AMPERAGE
Hi-Fi system	F8	30
KL15/a USB Recharge (C070)	F17	7.5
I-Drive / USB / AUX port	F21	10
KL15/a 12 Volts Power outlet (R053)	F22	20



## BULB REPLACEMENT

### General Instructions

- Before replacing a bulb, check the contacts for oxidation.
- Replace blown bulbs with others of the same type and power.

- After replacing a headlight bulb, always check its alignment.
- When a light is not working, check that the corresponding fuse is intact before changing the bulb ↪ page 273.

### NOTE:

In some particular climate conditions, such as low temperature, humidity, or after washing the car, a thin condensation layer may form on the internal surfaces of the front and rear headlights. This condensation will disappear after switching on the headlights.

### Types Of Bulbs

#### The vehicle may be equipped with the following bulbs

**Glass Bulbs (Type A):** They are press-fitted. Pull to extract.

**Bayonet-Type Bulbs (Type B):** To remove them from their holder, press the bulb and turn it counterclockwise, then extract it.

**Tubular Bulbs (Type C):** Release them from their contacts to remove.

**Halogen Bulbs (Type D):** To remove the bulb, turn the connector to the side and pull it out.

**Halogen Bulbs (Type E):** To remove the bulb, turn it counterclockwise.

**Xenon Gas Discharge Bulb (Type F):** To remove the bulb, contact an authorized dealer.



## Replacement Bulbs

Light Bulbs	Type	Power
Front direction indicators	PY24W	24 W
Rear Fog lights	H11	55 W
Main beam headlights (Xenon gas discharge)	D5S	25 W
Main beam headlights (Xenon gas discharge)	D3S	35 W
Sun visor light	1.5CP	2.1 W
Glove compartment light	W5W	4 W
Trunk lid light	W5W	5 W
Puddle lights (under door panel)	W5W	5 W

## Replacing Exterior Bulbs

### NOTE:

Only replace the bulb when the engine is off. Also ensure that the engine is cold, to prevent the risk of burns.

### Direction Indicators

See the following steps to replace:

1. Operating inside the engine compartment, remove the protective cover.



Protective Cover Location

2. Remove protective cover.
3. Turn the bulb/connector assembly counterclockwise, and then slide it off the headlight body.
4. Remove the bulb by sliding it off the bulb holder.
5. Install the new bulb, making sure it is correctly inserted in the bulb holder.
6. Insert the bulb/connector assembly in the housing on the headlight body and turn it clockwise, making sure that it is locked correctly.
7. Install the protective cover.

### Front Light Cluster with Main Beam Xenon Gas Discharge Headlights

To replace the bulbs of the main beam headlights, contact an authorized dealer.



### CAUTION!

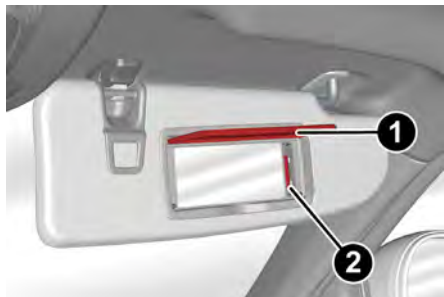
Do not touch the new bulb with your fingers. Oil contamination will severely shorten bulb life. If the bulb comes in contact with any oily surface, clean the bulb with rubbing alcohol.

## Replacing Interior Bulbs

### Courtesy Mirror Light

See the following steps to replace:

1. Lift the mirror cover and remove the lens, using a suitable tool.



Sun Visor

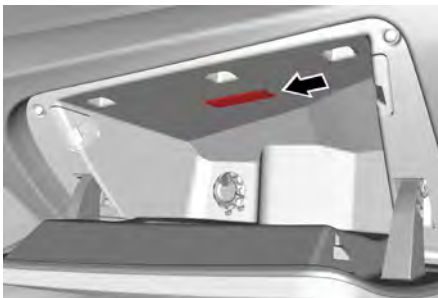
- 1 – Mirror Cover
- 2 – Lens

2. Change the bulb, releasing it from the side contacts, then insert the new bulb, making sure that it is correctly fastened between the contacts.
3. Install the lens, inserting it firstly on one side and then pressing on the other side until it clicks into place.

### Glove Compartment Light

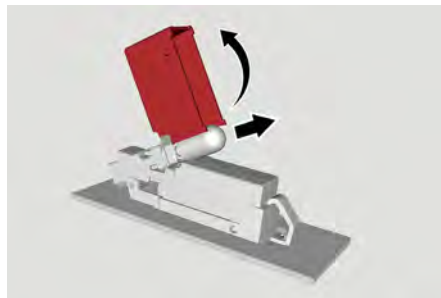
See below steps to replace:

1. Open the glove compartment.
2. Remove the courtesy light assembly, using a suitable tool.



Courtesy Lamp Indent

3. Open protective cover up and remove the bulb pulling out of the connector.



Cover And Bulb Removal Direction

4. Install bulb, making sure that it is correctly inserted fully.
5. Close the protective cover on the lens.
6. Install courtesy light, inserting it first on one side and then pressing on the other side until it clicks into place.

### Luggage Compartment Courtesy Lights

Luggage Compartment Courtesy Lights are LED and dealer service is required to replace.



**Puddle Lights On Door Panel**

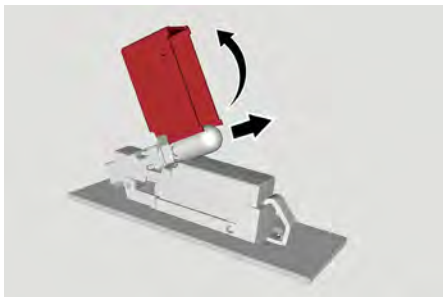
See the following steps to replace:

1. Open the door and remove the puddle light assembly, using a suitable tool.



**Puddle Light Indent**

2. Open protective cover up and remove the bulb pulling out of the connector.



**Cover And Bulb Removal Direction**

3. Install bulb, making sure that it is correctly inserted fully.

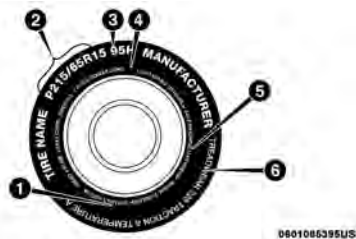
4. Close the protective cover on the lens.
5. Install puddle light in the correct position, inserting it firstly on one side and then pressing on the other side until it clicks into place.

## TIRES

### TIRE SAFETY INFORMATION

Tire safety information will cover aspects of the following information: Tire Markings, Tire Identification Numbers, Tire Terminology and Definitions, Tire Pressures, and Tire Loading.

### Tire Markings



### Tire Markings

- 1 – US DOT Safety Standards Code (TIN)
- 2 – Size Designation
- 3 – Service Description
- 4 – Maximum Load
- 5 – Maximum Pressure
- 6 – Treadwear, Traction and Temperature Grades

### NOTE:

- P (Passenger) – Metric tire sizing is based on US design standards. P-Metric tires have the letter “P” molded into the sidewall preceding the size designation. Example: P215/65R15 95H.
- European – Metric tire sizing is based on European design standards. Tires designed to this standard have the tire size molded into the sidewall beginning with the section width. The letter “P” is absent from this tire size designation. Example: 215/65R15 96H.
- LT (Light Truck) – Metric tire sizing is based on US design standards. The size designation for LT-Metric tires is the same as for P-Metric tires except for the letters “LT” that are molded into the sidewall preceding the size designation. Example: LT235/85R16.
- Temporary spare tires are designed for temporary emergency use only. Temporary high pressure compact spare tires have the letter “T” or “S” molded into the sidewall preceding the size designation. Example: T145/80D18 103M.
- High flotation tire sizing is based on US design standards and it begins with the tire diameter molded into the sidewall. Example: 31x10.5 R15 LT.

## Tire Sizing Chart

<b>EXAMPLE:</b>
<b>Example Size Designation: P215/65R15XL 95H, 215/65R15 96H, LT235/85R16C, T145/80D18 103M, 31x10.5 R15 LT</b>
<p><b>P</b> = Passenger car tire size based on US design standards, or            "...blank..." = Passenger car tire based on European design standards, or  <b>LT</b> = Light truck tire based on US design standards, or  <b>T or S</b> = Temporary spare tire or  <b>31</b> = Overall diameter in inches (in)  <b>215, 235, 145</b> = Section width in millimeters (mm)  <b>65, 85, 80</b> = Aspect ratio in percent (%)</p> <p><input type="checkbox"/> Ratio of section height to section width of tire, or  <b>10.5</b> = Section width in inches (in)</p>
<p><b>R</b> = Construction code</p> <p><input type="checkbox"/> "R" means radial construction, or  <input type="checkbox"/> "D" means diagonal or bias construction</p>
<b>15, 16, 18</b> = Rim diameter in inches (in)
<b>Service Description:</b>
<p><b>95</b> = Load Index</p> <p><input type="checkbox"/> A numerical code associated with the maximum load a tire can carry</p>
<p><b>H</b> = Speed Symbol</p> <p><input type="checkbox"/> A symbol indicating the range of speeds at which a tire can carry a load corresponding to its load index under certain operating conditions</p> <p><input type="checkbox"/> 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)</p>
<p><b>Load Identification:</b>            Absence of the following load identification symbols on the sidewall of the tire indicates a Standard Load (SL) tire:</p> <p><input type="checkbox"/> <b>XL</b> = Extra load (or reinforced) tire, or  <input type="checkbox"/> <b>LL</b> = Light load tire or  <input type="checkbox"/> <b>C, D, E, F, G</b> = Load range associated with the maximum load a tire can carry at a specified pressure</p>
<b>Maximum Load</b> – Maximum load indicates the maximum load this tire is designed to carry
<b>Maximum Pressure</b> – 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 US 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

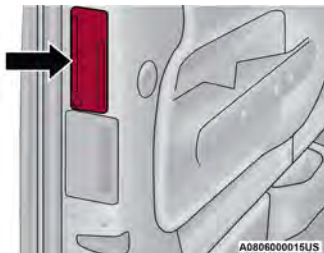
Term	Definition
<b>B-pillar</b>	The vehicle B-pillar is the structural member of the body located behind the front door.
<b>Cold Tire Inflation Pressure</b>	Cold tire inflation pressure is defined as the tire pressure after the vehicle has not been driven for at least three hours, or driven less than 1 mile (1.6 km) after sitting for a minimum of three hours. Inflation pressure is measured in units of psi (pounds per square inch) or kPa (kilopascals).
<b>Maximum Inflation Pressure</b>	The maximum inflation pressure is the maximum permissible cold tire inflation pressure for this tire. The maximum inflation pressure is molded into the sidewall.
<b>Recommended Cold Tire Inflation Pressure</b>	The manufacturer recommended cold tire inflation pressure as shown on the tire placard.
<b>Tire Placard</b>	A label permanently attached to the vehicle describing the vehicle's loading capacity, the original equipment tire sizes and the recommended cold tire inflation pressures.

## Tire Loading And Tire Pressure

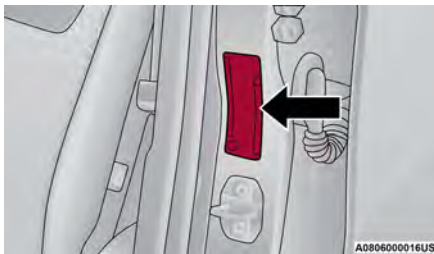
### NOTE:

The proper cold tire inflation pressure is listed on the driver's side B-pillar or the rear edge of the driver's side door.

Check the inflation pressure of each tire, including the spare tire (if equipped), at least monthly and inflate to the recommended pressure for your vehicle.



Example Tire Placard Location (Door)



Example Tire Placard Location (B-pillar)

## Tire And Loading Information Placard



### Tire And Loading Information Placard

This placard tells you important information about the:

1. Number of people that can be carried in the vehicle.
2. Total weight your vehicle can carry.
3. Tire size designed for your vehicle.
4. Cold tire inflation pressures for the front, rear, and spare tires.



## Loading

The vehicle maximum load on the tire must not exceed the load carrying capacity of the tire on your vehicle. You will not exceed the tire's load carrying capacity if you adhere to the loading conditions, tire size, and cold tire inflation pressures specified on the Tire And Loading Information Placard ↪ page 126.

### NOTE:

Under a maximum loaded vehicle condition, Gross Axle Weight Rating (GAWR) for the front and rear axles must not be exceeded. For further information on GAWR, vehicle loading, and trailer towing ↪ page 126.

To determine the maximum loading conditions of your vehicle, locate the statement "The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs" on the Tire And Loading Information Placard. The combined weight of occupants, cargo/luggage and trailer tongue weight (if applicable) should never exceed the weight referenced here.

### Steps For Determining Correct Load Limit—

- (1) Locate the statement "The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs." on your vehicle's placard.
- (2) Determine the combined weight of the driver and passengers that will be riding in your vehicle.
- (3) Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.

(4) The resulting figure equals the available amount of cargo and luggage load capacity. For example, if "XXX" amount equals 1400 lbs. and there will be five 150 lb passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs.  $(1400-750 (5 \times 150) = 650 \text{ lbs.})$

(5) Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.

(6) If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

### Metric Example For Load Limit

For example, if "XXX" amount equals 635 kg and there will be five 68 kg passengers in your vehicle, the amount of available cargo and luggage load capacity is 295 kg  $(635-340 (5 \times 68) = 295 \text{ kg})$  as shown in step 4.

### NOTE:

- If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. The following table shows examples on how to calculate total load, cargo/luggage, and towing capacities of your vehicle with varying seating configurations and number and size of occupants. This table is for illustration purposes only and may not be accurate for the seating and load carry capacity of your vehicle.
- For the following example, the combined weight of occupants and cargo should never exceed 865 lbs (392 kg).



Occupants			Combined weight of occupants and cargo from Tire Placard	MINUS	Combined Occupant's weight	=	AVAILABLE Cargo/Luggage and Trailer Tongue Weight
TOTAL	FRONT	REAR					
<b>EXAMPLE 1</b>			865 lbs	minus	670 lbs	=	195 lbs
5	2	3					
<b>EXAMPLE 2</b>			865 lbs	minus	540 lbs	=	325 lbs
3	2	1					
<b>EXAMPLE 3</b>			865 lbs	minus	400 lbs	=	465 lbs
2	2	0					

811a4d11



**WARNING!**

Overloading of your tires is dangerous. Overloading can cause tire failure, affect vehicle handling, and increase your stopping distance. Use tires of the recommended load capacity for your vehicle. Never overload them.

**TIRES — GENERAL INFORMATION****Tire Pressure**

Proper tire inflation pressure is essential to the safe and satisfactory operation of your vehicle. Four primary areas are affected by improper tire pressure:

- Safety
- Fuel Economy
- Tread Wear
- Ride Comfort and Vehicle Stability

**Safety****WARNING!**

- Improperly inflated tires are dangerous and can cause collisions.
- Underinflation increases tire flexing and can result in overheating and tire failure.
- Overinflation reduces a tire's ability to cushion shock. Objects on the road and chuckholes can cause damage that result in tire failure.
- Overinflated or underinflated tires can affect vehicle handling and can fail suddenly, resulting in loss of vehicle control.

*(Continued)***WARNING!**

- Unequal tire pressures can cause steering problems. You could lose control of your vehicle.
- Unequal tire pressures from one side of the vehicle to the other can cause the vehicle to drift to the right or left.
- Always drive with each tire inflated to the recommended cold tire inflation pressure.

Both underinflation and overinflation affect the stability of the vehicle and can produce a feeling of sluggish response or over responsiveness in the steering.

**NOTE:**

- Unequal tire pressures from side to side may cause erratic and unpredictable steering response.
- Unequal tire pressure from side to side may cause the vehicle to drift left or right.

**Fuel Economy**

Underinflated tires will increase tire rolling resistance resulting in higher fuel consumption.

**Tread Wear**

Improper cold tire inflation pressures can cause abnormal wear patterns and reduced tread life, resulting in the need for earlier tire replacement.

**Ride Comfort And Vehicle Stability**

Proper tire inflation contributes to a comfortable ride. Overinflation produces a jarring and uncomfortable ride.

**Tire Inflation Pressures**

The proper cold tire inflation pressure is listed on the driver's side B-pillar or rear edge of the driver's side door.

At least once a month:

- Check and adjust tire pressure with a good quality pocket-type pressure gauge. Do not make a visual judgment when determining proper inflation. Tires may look properly inflated even when they are under-inflated.
- Inspect tires for signs of tire wear or visible damage.

**CAUTION!**

After inspecting or adjusting the tire pressure, always reinstall the valve stem cap. This will prevent moisture and dirt from entering the valve stem, which could damage the valve stem.

Inflation pressures specified on the placard are always "cold tire inflation pressure". Cold tire inflation pressure is defined as the tire pressure after the vehicle has not been driven for at least three hours, or driven less than 1 mile (1.6 km) after sitting for a minimum of three hours. The cold tire inflation pressure must not exceed the maximum inflation pressure molded into the tire sidewall.

Check tire pressures more often if subject to a wide range of outdoor temperatures, as tire pressures vary with temperature changes.

Tire pressures change by approximately 1 psi (7 kPa) per 12 °F (7 °C) of air temperature change. Keep this in mind when checking tire pressure inside a garage, especially in the Winter.

Example: If garage temperature = 68°F (20°C) and the outside temperature = 32°F (0°C) then the cold tire inflation pressure should be increased by 3 psi (21 kPa), which equals 1 psi (7 kPa) for every 12°F (7°C) for this outside temperature condition.

Tire pressure may increase from 2 to 6 psi (13 to 40 kPa) during operation. DO NOT reduce this normal pressure build up or your tire pressure will be too low.

## Tire Pressures For High Speed Operation

The manufacturer advocates driving at safe speeds and within posted speed limits. Where speed limits or conditions are such that the vehicle can be driven at high speeds, maintaining correct tire inflation pressure is very important. Increased tire pressure and reduced vehicle loading may be required for high-speed vehicle operation. Refer to an authorized tire dealer or original equipment vehicle dealer for recommended safe operating speeds, loading and cold tire inflation pressures.

## 2.0L Engine

Tires	Wheel	Recommended Cold Tire Inflation Pressure		High Speed Tire Inflation Pressure	
		Front	Rear	Front	Rear
225/50 R17 94V *	17x7.5J	32 psi (220 kPa)	35 psi (240 kPa)	39 psi (270 kPa)	43 psi (300 kPa)
225/45 R18 91V *	18x8J	32 psi (220 kPa)	36 psi (250 kPa)	39 psi (270 kPa)	43 psi (300 kPa)
225/40 R19 93X	19x8J	35 psi (240 kPa)	39 psi (270 kPa)	39 psi (270 kPa)	43 psi (300 kPa)
225/40 R19 93Y **	19x8J **	35 psi (240 kPa)	-	39 psi (270 kPa)	-
255/35 R19 93Y **	19x9J**	-	35 psi (240 kPa)	-	42 psi (290 kPa)

(\*) All Season Tires, If Equipped

(\*\*) Matching Rims/Tires



### WARNING!

High speed driving with your vehicle under maximum load is dangerous. The added strain on your tires could cause them to fail. You could have a serious collision. Do not drive a vehicle loaded to the maximum capacity at continuous speeds above 75 mph (120 km/h).

### Recommended Cold Tire Inflation Pressures

For vehicle speeds below 100 mph (160 km/h), recommended cold tire inflation pressures are listed on the Tire And Loading Information Placard located on driver's side B-pillar or the rear edge of the driver's side door.

When driving at speeds 100 mph (160 km/h) and above, increased tire pressures and reduced vehicle loading are required for high-speed vehicle operation.

For driving speeds above 100 mph (160 km/h) recommended cold tire inflation pressures are listed in the following table under "High Speed Tire Inflation Pressure". Vehicle loading condition must not exceed 688 lb (312kg) (driver + three passengers + 88 lb (40kg) luggage).



### WARNING!

High speed driving with your vehicle under maximum load is dangerous. The added strain on your tires could cause them to fail. You could have a serious collision.



## 2.9L Engine

Tires	Wheel	Recommended Cold Tire Inflation Pressure		High Speed Tire Inflation Pressure	
		Front	Rear	Front	Rear
245/35 Z R19 (93Y) XL	19x8.5J	35 psi (240 kPa)	-	42 psi (290 kPa)	-
265/35 R19 98V*	-	-	32 psi (220 kPa)	-	42 psi (290 kPa)
285/30 ZR19 (98Y) XL	19x10J	-	32 psi (220 kPa)	-	42 psi (290 kPa)

(\* ) Recommended tire size when tire chains are necessary ⇨ page 294.

### Radial Ply Tires



#### WARNING!

Combining radial ply tires with other types of tires on your vehicle will cause your vehicle to handle poorly. The instability could cause a collision. Always use radial ply tires in sets of four. Never combine them with other types of tires.

#### Tire Repair

If your tire becomes damaged, it may be repaired if it meets the following criteria:

- The tire has not been driven on when flat.
- The damage is only on the tread section of your tire (sidewall damage is not repairable).
- The puncture is no greater than ¼ of an inch (6 mm).

Consult an authorized tire dealer for tire repairs and additional information.

Damaged Run Flat tires, or Run Flat tires that have experienced a loss of pressure should be replaced immediately with another Run Flat tire of identical size and service description (Load Index and Speed Symbol). Replace the tire pressure sensor as well as it is not designed to be reused.

### Run Flat Tires — If Equipped

Run Flat tires allow you the capability to drive 50 miles (80 km) at 50 mph (80 km/h) after a rapid loss of inflation pressure. This rapid loss of inflation is referred to as the Run Flat mode. A Run Flat mode occurs when the tire inflation pressure is of/or below 14 psi (96 kPa). Once a Run Flat tire reaches the Run Flat mode it has limited driving capabilities and needs to be replaced immediately. A Run Flat tire is not repairable. When a Run Flat tire is changed after being driven under a Run Flat mode 14 psi (96 kPa) condition, please replace the TPMS sensor as it is not designed to be reused.

#### NOTE:

The TPMS sensor must be replaced after driving the vehicle on a flat tire condition.

It is not recommended driving a vehicle loaded at full capacity or to tow a trailer while a tire is in the Run Flat mode.

See the Tire Pressure Monitoring System section for more information ⇨ page 218.

### Tire Spinning

When stuck in mud, sand, snow, or ice conditions, do not spin your vehicle's wheels above 30 mph (48 km/h) or for longer than 30 seconds continuously without stopping.

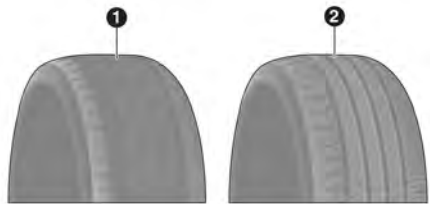


#### WARNING!

Fast spinning tires can be dangerous. Forces generated by excessive wheel speeds may cause tire damage or failure. A tire could explode and injure someone. Do not spin your vehicle's wheels faster than 30 mph (48 km/h) for more than 30 seconds continuously when you are stuck, and do not let anyone near a spinning wheel, no matter what the speed.

## Tread Wear Indicators

Tread wear indicators are in the original equipment tires to help you in determining when your tires should be replaced.



Tire Tread

- 1 — Worn Tire
- 2 — New Tire

These indicators are molded into the bottom of the tread grooves. They will appear as bands when the tread depth becomes 1/16 of an inch (1.6 mm). When the tread is worn to the tread wear indicators, the tire should be replaced.

For further information [↗](#) page 291.

## Life Of Tire

The service life of a tire is dependent upon varying factors including, but not limited to:

- Driving style.
- Tire pressure - Improper cold tire inflation pressures can cause uneven wear patterns to develop across the tire tread. These abnormal wear patterns will reduce tread life, resulting in the need for earlier tire replacement.

- Distance driven.
- Performance tires, tires with a speed rating of V or higher, and Summer tires typically have a reduced tread life. Rotation of these tires per the vehicle scheduled maintenance is highly recommended.



### WARNING!

Tires and the spare tire should be replaced after six years, regardless of the remaining tread. Failure to follow this warning can result in sudden tire failure. You could lose control and have a collision resulting in serious injury or death.

### NOTE:

Wheel valve stem must be replaced as well when installing new tires due to wear and tear in existing tires.

Keep dismounted tires in a cool, dry place with as little exposure to light as possible. Protect tires from contact with oil, grease, and gasoline.

## Replacement Tires

The tires on your new vehicle provide a balance of many characteristics. They should be inspected regularly for wear and correct cold tire inflation pressures. The manufacturer strongly recommends using tires equivalent to the originals in size, quality and performance when replacement is needed [↗](#) page 291. Refer to the Tire And Loading Information Placard or the Vehicle Certification Label for the size designation of your tire. The Load Index and Speed Symbol for your tire will be found on the original equipment tire sidewall.

For more information relating to the Load Index and Speed Symbol of a tire [↗](#) page 283.

It is recommended to replace the two front tires or two rear tires as a pair. Replacing just one tire can seriously affect your vehicle's handling. If you ever replace a wheel, make sure that the wheel's specifications match those of the original wheels.

It is recommended you contact an authorized tire dealer or original equipment dealer with any questions you may have on tire specifications or capability. Failure to use equivalent replacement tires may adversely affect the safety, handling, and ride of your vehicle.



### WARNING!

- Do not use a tire, wheel size, load rating, or speed 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 a collision resulting in serious injury or death. Use only the tire and wheel sizes with load ratings approved for your vehicle.
- Never use a tire with a smaller load index or capacity, other than what was originally equipped on your vehicle. Using a tire with a smaller load index could result in tire overloading and failure. You could lose control and have a collision.
- Failure to equip your vehicle with tires having adequate speed capability can result in sudden tire failure and loss of vehicle control.



**CAUTION!**

Replacing original tires with tires of a different size may result in false speedometer and odometer readings.

**SPARE TIRES — IF EQUIPPED****NOTE:**

For vehicles equipped with Tire Service Kit instead of a spare tire, please refer to “Tire Service Kit” in “In Case Of Emergency” for further information.

**CAUTION!**

Because of the reduced ground clearance, do not take your vehicle through an automatic car wash with a compact or limited use temporary spare installed. Damage to the vehicle may result.

**Spare Tire Matching Original Equipped Tire And Wheel — If Equipped**

Your vehicle may be equipped with a spare tire and wheel equivalent in look and function to the original equipment tire and wheel found on the front or rear axle of your vehicle. This spare tire may be used in the tire rotation for your vehicle. If your vehicle has this option, refer to an authorized tire dealer for the recommended tire rotation pattern.

**Compact Spare Tire — If Equipped**

The compact spare is for temporary emergency use only. You can identify if your vehicle is equipped with a compact spare by looking at the spare tire description on the Tire And Loading Information Placard located on the driver’s side door opening or on the sidewall of the tire. Compact spare tire descriptions begin with the letter “T” or “S” preceding the size designation. Example: T145/80D18 103M.

T, S = Temporary Spare Tire

Since this tire has limited tread life, the original equipment tire should be repaired (or replaced) and reinstalled on your vehicle at the first opportunity.

Do not install a wheel cover or attempt to mount a conventional tire on the compact spare wheel, since the wheel is designed specifically for the compact spare tire. Do not install more than one compact spare tire and wheel on the vehicle at any given time.

**WARNING!**

Compact and collapsible spares are for temporary emergency use only. With these spares, do not drive more than 50 mph (80 km/h). Temporary use spares have limited tread life. When the tread is worn to the tread wear indicators, the temporary use spare tire needs to be replaced. Be sure to follow the warnings, which apply to your spare. Failure to do so could result in spare tire failure and loss of vehicle control.

**Full Size Spare — If Equipped**

The full size spare is for temporary emergency use only. This tire may look like the originally equipped tire on the front or rear axle of your vehicle, but it is not. This spare tire may have limited tread life. When the tread is worn to the tread wear indicators, the temporary use full size spare tire needs to be replaced. Since it is not the same as your original equipment tire, replace (or repair) the original equipment tire and reinstall on the vehicle at the first opportunity.

**Limited Use Spare — If Equipped**

The limited use spare tire is for temporary emergency use only. This tire is identified by a label located on the limited use spare wheel. This label contains the driving limitations for this spare. This tire may look like the original equipped tire on the front or rear axle of your vehicle, but it is not. Installation of this limited use spare tire affects vehicle handling. Since it is not the same as your original equipment tire, replace (or repair) the original equipment tire and reinstall on the vehicle at the first opportunity.

**WARNING!**

Limited use spares are for emergency use only. Installation of this limited use spare tire affects vehicle handling. With this tire, do not drive more than the speed listed on the limited use spare wheel. Keep inflated to the cold tire inflation pressures listed on your Tire And Loading Information Placard located on the driver’s side B-pillar or the rear edge of the driver’s side door. Replace (or repair) the original equipment tire at the first opportunity and reinstall it on your vehicle. Failure to do so could result in loss of vehicle control.

## WHEEL AND WHEEL TRIM CARE

All wheels and wheel trim, especially aluminum and chrome plated wheels, should be cleaned regularly using mild (neutral Ph) soap and water to maintain their luster and to prevent corrosion. Wash wheels with the same soap solution recommended for the body of the vehicle and remember to always wash when the surfaces are not hot to the touch.

Your wheels are susceptible to deterioration caused by salt, sodium chloride, magnesium chloride, calcium chloride, etc., and other road chemicals used to melt ice or control dust on dirt roads. Use a soft cloth or sponge and mild soap to wipe away promptly. Do not use harsh chemicals or a stiff brush. They can damage the wheel's protective coating that helps keep them from corroding and tarnishing.



### CAUTION!

Avoid products or automatic car washes that use acidic solutions or strong alkaline additives or harsh brushes. Many aftermarket wheel cleaners and automatic car washes may damage the wheel's protective finish. Such damage is not covered by the New Vehicle Limited Warranty. Only car wash soap is recommended.

When cleaning extremely dirty wheels including excessive brake dust, care must be taken in the selection of tire and wheel cleaning chemicals and equipment to prevent damage to the wheels. Select a non-abrasive, non-acidic cleaner for aluminum or chrome wheels.



### CAUTION!

Do not use scouring pads, steel wool, a bristle brush, metal polishes or oven cleaner. These products may damage the wheel's protective finish. Such damage is not covered by the New Vehicle Limited Warranty. Only car wash soap is recommended.

### NOTE:

If you intend parking or storing your vehicle for an extended period after cleaning the wheels with wheel cleaner, drive your vehicle and apply the brakes to remove the water droplets from the brake components. This activity will remove the red rust on the brake rotors and prevent vehicle vibration when braking.

### Dark Or Low Gloss Wheels



### CAUTION!

If your vehicle is equipped with these specialty wheels, DO NOT USE wheel cleaners, abrasives, or polishing compounds. They will permanently damage this finish and such damage is not covered by the New Vehicle Limited Warranty. HAND WASH ONLY USING MILD SOAP AND WATER WITH A SOFT CLOTH. Used on a regular basis; this is all that is required to maintain this finish.

## TIRE TYPES

### All Season Tires — If Equipped

All Season tires provide traction for all seasons (Spring, Summer, Autumn, and Winter). Traction levels may vary between different all season tires. All season tires can be identified by the M+S, M&S, M/S or MS designation on the tire sidewall. Use all season tires only in sets of four; failure to do so may adversely affect the safety and handling of your vehicle.

### Summer Or Three Season Tires — If Equipped

Summer tires provide traction in both wet and dry conditions, and are not intended to be driven in snow or on ice. If your vehicle is equipped with Summer tires, be aware these tires are not designed for Winter or cold driving conditions. Install Winter tires on your vehicle when ambient temperatures are less than 40°F (5°C) or if roads are covered with ice or snow. For more information, contact an authorized dealer.

Summer tires do not contain the all season designation or mountain/snowflake symbol on the tire sidewall. Use Summer tires only in sets of four; failure to do so may adversely affect the safety and handling of your vehicle.



### WARNING!

Do not use Summer tires in snow/ice conditions. You could lose vehicle control, resulting in severe injury or death. Driving too fast for conditions also creates the possibility of loss of vehicle control.



## Snow Tires

Some areas of the country require the use of snow tires during the Winter. Snow tires can be identified by a mountain/snowflake symbol on the tire sidewall.



If you need snow tires, select tires equivalent in size and type to the original equipment tires. Use snow tires only in sets of four; failure to do so may adversely affect the safety and handling of your vehicle.

Snow tires generally have lower speed ratings than what was originally equipped with your vehicle and should not be operated at sustained speeds over 75 mph (120 km/h). For speeds above 75 mph (120 km/h) refer to original equipment or an authorized tire dealer for recommended safe operating speeds, loading and cold tire inflation pressures.

While studded tires improve performance on ice, skid and traction capability on wet or dry surfaces may be poorer than that of non-studded tires. Some states prohibit studded tires; therefore, local laws should be checked before using these tire types.

## SNOW TRACTION DEVICES

Use of traction devices require sufficient tire-to-body clearance. Follow these recommendations to guard against damage.

### NOTE:

- Traction device must be of proper size for the tire, as recommended by the traction device manufacturer.
- Use on rear tires only.
- Due to limited clearance, the following traction devices are recommended:
- For a 255/35R19 tire, use of a snow traction device with a maximum projection of 7 mm beyond the tire profile is recommended.

- For 225/50R17, 225/45R18 or 225/40R19 tires, use of a snow traction device with a maximum projection of 9 mm beyond the tire profile is recommended.
- For a 265/35R19 98V tire, use of a zero-clearance snow traction device recommended.

It is not possible to install traction devices on 285/30R19 tires.



### CAUTION!

To avoid damage to your vehicle or tires, observe the following precautions:

- Because of restricted traction device clearance between tires and other suspension components, it is important that only traction devices in good condition are used. Broken devices can cause serious damage. Stop the vehicle immediately if noise occurs that could indicate device breakage. Remove the damaged parts of the device before further use.
- Install device as tightly as possible and then retighten after driving about ½ mile (0.8 km). Autosock devices do not require retightening.
- Do not exceed 30 mph (48 km/h).
- Drive cautiously and avoid severe turns and large bumps, especially with a loaded vehicle.
- Do not drive for a prolonged period on dry pavement.
- Observe the traction device manufacturer's instructions on the method of installation, operating speed, and conditions for use. Always use the suggested operating speed of the device manufacturer's if it is less than 30 mph (48 km/h).
- Do not use traction devices on a compact spare tire.

## TIRE ROTATION RECOMMENDATIONS

Tires on the front and rear axles of vehicles operate at different loads and perform different steering, driving, and braking functions. For these reasons, they wear at unequal rates. These effects can be reduced by timely rotation of tires. Rotation will increase tread life, maintain traction levels and contribute to a smooth, quiet ride.

To resolve this problem, tires should be rotated at each service interval (approximately every 10,000 miles [16,000km]). More frequent rotation is permissible if desired. The reasons for any rapid or unusual wear should be corrected prior to rotation being performed.

### Tire Rotations Not Recommended — If Equipped

Due to different size tires and wheels on front and rear axles tire rotation is not possible for:

- 2.0T GME Engine Equipped with a 225/40R19 front and 255/35R19 rear tires



### CAUTION!

Damage to the vehicle may occur if 225/40R19 front and 255/35R19 rear tires are rotated

- 2.9L V6 Engine Equipped with 19" tires and wheels



### CAUTION!

Damage to the vehicle may occur if 19" front and rear tires are rotated

Tire rotation contributes to the preservation of the grip and traction performance on wet, muddy or snowy roads, guaranteeing optimal drivability of the vehicle.



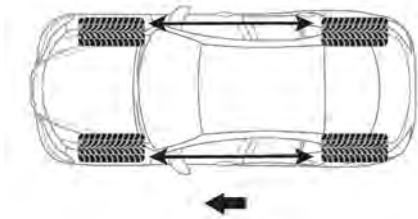
In the case of irregular wear of the tires identify the cause and correct it as soon as possible, by contacting an authorized dealer.

#### Tire Rotation for Directional Tires — If Equipped

Directional tires are equipped on the following:

- 2.0T GME Engine equipped with same size tires and wheels on front and rear axles

The rotational direction of the tire must be taken into consideration when rotating the tires. The recommended rotation pattern for directional tires is shown in the following diagram.



Tire Rotation

#### All Wheel Drive (AWD) Models

It is recommended to avoid situations with a large difference in wear between the front and rear tires and to strictly use Winter tires of the sizes given on the tire placard.

The AWD system and the original tires are developed together to ensure the vehicle's best performance. When changing the tires, it is recommended to use the same "AR" marked tires, to maintain the same level of performance and component life.

## 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 vehicle 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 test 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 vehicle 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, underinflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.

## STORING THE VEHICLE

If the vehicle is left inactive for longer than a month, the following precautions should be observed:

- Park the vehicle in an area that is covered and dry, and well-ventilated if possible. Slightly open the windows.
- Check that the Electric Park Brake is not activated.
- Carry out the procedure: "manual trunk opening device" procedure described in this paragraph.
- Disconnect the negative battery terminal and check the battery charge. Repeat this check once every three months during storage.
- If the battery is not disconnected from the electrical system, check its state of charge every 30 days.
- Clean and protect the painted parts using protective wax.
- Clean and protect the shiny metal parts using special compounds available commercially.

- Sprinkle talcum powder on the windshield wiper rubber blades, and lift them off the glass.
- Cover the vehicle with a fabric or perforated plastic sheet, paying particular care not to damage the painted surface by dragging any dust that may have accumulated on it. Do not use compact plastic sheets, as they do not allow humidity to evaporate from the surface of the vehicle.
- Inflate tires to +7.25 psi (+0.5 bar) above the standard prescribed pressure and check it periodically.
- Do not drain the engine cooling system.
- Any time the vehicle is left inactive for two weeks or more, operate the air conditioning system with engine idling for at least five minutes, setting external air and with fan set to maximum speed. This operation will ensure appropriate lubrication for the system, thus minimizing the possibility of damage to the compressor when the system is operated again.

### NOTE:

After placing the ignition in STOP and having closed the driver side door, wait at least one minute before disconnecting the electrical supply from the battery. When reconnecting the electrical supply to the battery, make sure that the ignition is in the STOP position and the driver side door is closed.

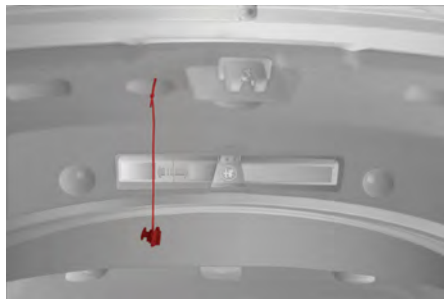
## Manual Trunk Opening Device

Proceed as follows if the battery needs to be disconnected:

1. From the trunk interior covering, rotate the plug counterclockwise of the lock and extract the cord connected to it.



Trunk Compartment



Trunk Manual Release Cord

2. Make sure the free end of the cord remains outside the trunk when closing the trunk lid.



Manual Release Cord Shown With Trunk Closed

3. The trunk can now be opened manually by pulling the cord.
4. After releasing the trunk, rewind the strap around the plug, put it back into its housing and turn it clockwise.



### CAUTION!

The Manual Trunk Opening Device allows the trunk to be opened without a key, even if the vehicle is locked. Do not use this Device unless the vehicle is parked in a secure area.

## BODYWORK

### PROTECTION AGAINST ATMOSPHERIC AGENTS

The vehicle is equipped with the best available technological solutions to protect the bodywork against corrosion.

These include:

- Painting products and systems which give the vehicle resistance to corrosion and abrasion.
- Use of galvanized (or pre-treated) steel sheets, with high resistance to corrosion.
- Spraying of plastic parts, with a protective function in the more exposed points: under door, inner wing, edges, etc.
- Use of "open" boxed sections to prevent condensation and pockets of moisture which could favor the formation of rust inside.
- Use of special films to protect against abrasion in exposed areas (e.g. rear wing, doors, etc.).

### CORROSION WARRANTY

Your vehicle is covered by Corrosion Warranty against perforation due to rust of any original element of the structure or bodywork. For the general terms of this warranty, refer to the Warranty Booklet.

### PRESERVING THE BODYWORK

#### Paint

Touch up abrasions and scratches immediately to prevent the formation of rust.

Maintenance of paintwork consists of washing the car: the frequency depends on the conditions and environment where the car is used. For example, it is advisable to wash the vehicle more often in areas with high levels of atmospheric pollution or salted roads.



Some parts of the vehicle may be covered with a matte paint which, in order to be maintained intact, requires special care.

To correctly wash the vehicle, follow these instructions:

- If high pressure jets or cleaners are used to wash the vehicle, keep a distance of at least 15 inches (40 cm) from the bodywork to avoid damage or alteration. Build up of water could cause damage to the vehicle in the long term.
- To make it easier to remove any dirt deposits in the area where the blades are normally located it is recommended to position the windshield wipers vertically (service position).
- Wash the bodywork using a low pressure jet of water if possible.
- Wipe a sponge with a slightly soapy solution over the bodywork, frequently rinsing the sponge.
- Rinse well with water and dry with a leather chamois.

Dry the less visible parts (e.g. door frames, hood, headlight frames, etc.) with special care, as water may stagnate more easily in these areas. Do not wash the car after it has been left in the sun or with the hood hot: this may alter the shine of the paintwork.

Exterior plastic parts must be cleaned in the same way as the rest of the vehicle.

If washing the car in a service that moves the car, for cars with automatic transmissions, PARK (P) must be cut out. You have to shut off the engine in the following conditions: car stopped, transmission in NEUTRAL (N), push the starter button for at least three seconds.

#### NOTE:

Avoid parking under trees; the resin dropped by trees makes the paintwork go opaque and increases the possibility of corrosion.

## Windows

Use specific detergents and clean cloths to prevent scratching or altering the transparency.



### CAUTION!

Wipe the rear window inside gently with a cloth following the direction of the filaments to avoid damaging the heating device.

## Front Headlights

Use a soft cloth soaked in water and detergent for washing cars.

#### NOTE:

- Never use aromatic substances (e.g. gasoline) or ketones (e.g. acetone) for cleaning the plastic lenses of the headlights.
- When cleaning with a pressure washer, keep the pressure washer at least eight inches (20 cm) away from the headlights.

## Engine Compartment

At the end of every Winter, wash the engine compartment thoroughly, taking care not to aim the jet of water directly at the electronic control units or at the windshield wiper motors. Have this operation performed at a specialized workshop. For further information

↪ page 267.

#### NOTE:

The washing should take place with the engine cold and the ignition device in the STOP position. After the washing operation, make sure that the various protections (e.g. rubber caps and guards) have not been removed or damaged.

# INTERIORS

Periodically check the cleanliness of the interior, beneath the mats, which could cause oxidation of the sheet metal.

## SEATS AND FABRIC PARTS

Remove dust with a soft brush or a vacuum cleaner. Rub the seats with a sponge moistened with a solution of water and neutral detergent.

### Cleaning Heat Press Images On Seats — If Equipped

Due to the color, opacity and wear-resistant protection with which the heat press images on some seats are made, they may be subject to temporary scratching if they are touched by finger nails, keys, or other hard objects. In such cases, the visible signs do not impair the profiled images, and can easily be removed by wiping the affected area with a microfiber cloth moistened with water (not dry) to restore the seat to its original condition. The microfiber cloth must not have been previously soaked in other substances or detergents.

## LEATHER SEATS

Remove the dry dirt with a chamois or slightly damp cloth, without exerting too much pressure.

Remove any liquid or grease stains using an absorbent dry cloth, without rubbing. Then clean with a soft cloth or buckskin cloth dampened with water and mild soap. If the stain persists, use specific products and observe the instructions carefully.

#### NOTE:

Never use alcohol. Make sure that the cleaning products used contain no alcohol or alcohol derivatives, even in small quantities.

## PLASTIC AND COATED PARTS

Clean interior plastic parts with a damp cloth (if possible made from microfiber), and a solution of water and neutral, non-abrasive detergent.

To clean oily or persistent stains, use specific products free from solvents and designed to maintain the original appearance and color of the components.

Remove any dust using a microfiber cloth, if necessary moistened with water. The use of paper tissues is not recommended as these may leave residues.

## ALCANTARA PARTS — IF EQUIPPED

Alcantara parts maintenance procedure:

- Treat the surface with a microfiber cloth moistened with mild Marseille soap and water, taking care to apply a uniform light pressure over the entire area (do not rub vigorously).
- Rinse and wring out the microfiber cloth, and pass it over the entire area again.
- Let it dry, and then brush gently with a soft brush.



### CAUTION!

- Do not use "hard" synthetic brushes as they can damage the fabric.
- Do not clean small areas because it could cause "aesthetic" differences between treated and untreated areas.
- Do not use alcohol or acetone-based solvents.

## GENUINE LEATHER SURFACES — IF EQUIPPED

Use only water and mild soap to clean these parts. Never use alcohol or alcohol-based products.

Before using a specific product for cleaning interiors, make sure that it does not contain alcohol and/or alcohol based substances.

## CARBON FIBER PARTS

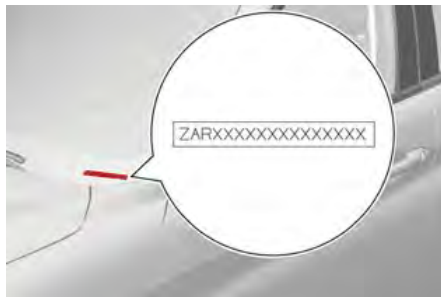
To eliminate small scratches and marks on the carbon, contact an authorized dealer. An improperly performed operation may irreparably damage the carbon.



For the enthusiasts, the technician, or those who just want to know every detail of their vehicle, useful information on understanding how your vehicle works is contained in this chapter and illustrated with data, tables, and graphics.

## VEHICLE IDENTIFICATION NUMBER (VIN)

The VIN is stamped on a plate on the front left corner of the dashboard cover, which can be seen from outside the vehicle, through the windshield.



Windshield VIN Location

## VEHICLE IDENTIFICATION NUMBER (VIN) PLATE

The plates are located on the left side A-pillar and contain data about:

- Vehicle Identification Number (VIN).
- Vehicle type (USA and Canada only).
- Color code.
- Place of manufacturing of the vehicle (USA and Mexico only).
- Vehicle manufacturing date.
- Maximum permitted weights.
- Permitted tire inflation pressure (USA and Canada only).

# ENGINE

2.0L Engine	
Cycle	Four
Number and position of cylinders	4 inline
Piston bore and stroke (mm)	84 / 90
Total displacement (cm <sup>3</sup> )	1,995
Compression ratio	10:1
Maximum power (SAE) (HP)	280
Maximum power (kW)	209
Corresponding engine speed (RPM)	5,200
Maximum torque (SAE) (ft-lb)	295
Maximum torque (Nm)	400
Corresponding engine speed (RPM)	2,250 – 4,000
Fuel	87 Octane (R+M)/2 Method Minimum, 91 Recommended, ethanol percentage is 0–15%



2.9L Engine	
Cycle	Four
Number and position of cylinders	6 / V
Piston bore and stroke (mm)	86.5 × 82
Total displacement (cm <sup>3</sup> )	2,891
Compression ratio	9.3:1
Maximum power (SAE) (kW)	375
Maximum power (SAE) (HP)	505
Corresponding engine speed (RPM)	6,500
Maximum torque (SAE) (Nm)	600
Maximum torque (SAE) (ft-lb)	443
Corresponding engine speed (RPM)	2,500
Fuel	87 Octane (R+M)/2 Method Minimum, 91 Recommended, ethanol percentage is 0–15%

## POWER SUPPLY

Power Supply	
2.0L Engine	Electronic timed sequential injection with knock control
2.9L Engine	Phased sequential electronic injection with knock control and variable intake valve actuation

## TRANSMISSION

Model	Transmission	Traction
2.0L Engine	Eight forward gears plus reverse	Rear-wheel drive or All-wheel drive

Model	Transmission	Traction
2.9L Engine	Eight forward gears plus reverse	Rear



## BRAKES

Model	Front Brakes	Rear Brakes	Parking Brake
2.0L Engine and 2.9L Engine	Disc	Disc	Electric



### CAUTION!

- Water, ice and salt spread on the roads may deposit on the brake discs, reducing braking efficiency the first time the brakes are applied.
- To obtain the maximum efficiency of the braking system, a bedding-in period of about 300 miles (500 km) is needed: during this period it is better to avoid sharp, repeated and prolonged braking.

## SUSPENSION

Model	Front	Rear
2.0L Engine and 2.9L Engine	Independent wheel double-wishbone suspension	Independent wheel with multi-link system

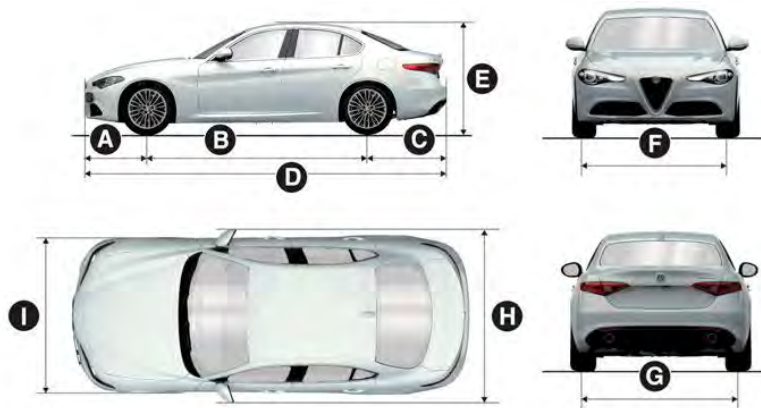
## STEERING SYSTEM

Model	Curb-To-Curb Turning Circle	Type
2.0L Engine	35.50 ft (10.80 m)	Rack and pinion with electric power steering
2.9L Engine	37.10 ft (11.30 m)	Rack and pinion with electric power steering



## DIMENSIONS — 2.0L ENGINE

Dimensions are expressed in inches and refer to the vehicle equipped with its standard-supplied tires. Height is measured with vehicle unladen.



A Front Overhang	B Wheelbase	C Rear Overhang	D Overall Length	E Overall Height	F Front Track	G Rear Track	H Overall Width (Incl. Mirrors)	I Overall Width (Excl. Mirrors)
31.30 inches	111.02 inches	40.47 inches	182.80 inches	56.54 inches (+) 57.09 inches (*)	61.30 inches(+) 61.38 inches(*)	63.98 inches(+) 63.15 inches(*)	79.69 inches	73.23 inches

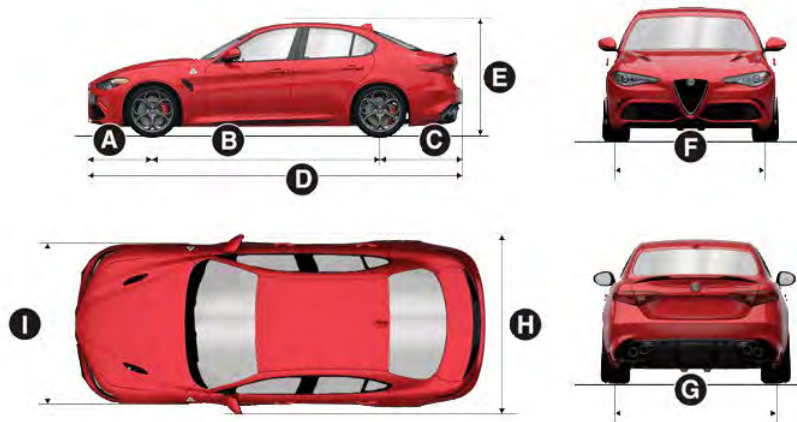
(+) RWD models

(\*) AWD models

Small variations with respect to the reported values are possible depending on the dimensions of the rims.

## DIMENSIONS — 2.9L Engine

Dimensions are expressed in inches and refer to the vehicle equipped with its standard-supplied tires. Height is measured with vehicle unladen.



A Front Overhang	B Wheelbase	C Rear Overhang	D Overall Length	E Overall Height	F Front Track	G Rear Track	H Overall Width (Incl. Mirrors)	I Overall Width (Excl. Mirrors)
31.30 inches	111.02 inches	40.31 inches	182.64 inches	56.14 inches	61.22 inches	63.27 inches	79.69 inches	73.74 inches



## WEIGHTS — 2.0L ENGINE

Weights (lb)	AWD	RWD
Unloaded weight (with all fluids, fuel tank filled to 90% and without optional equipment)	3,622	3,523
Payload including the driver(*)	905	905
Maximum permitted loads(**)	155	155
Front axle	2,205	2,205
Rear axle	2,646	2,646
Total	4,723	4,612

(\*) If special equipment is fitted (trailer towing equipment, etc.) the empty weight will increase and consequently the payload will decrease in relation to the maximum permitted loads.

(\*\*) Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or on the load platform within the maximum permitted loads.

## WEIGHTS — 2.9L ENGINE

Weights (lb)	2.9L Engine
Unloaded weight (with all fluids, fuel tank filled to 90% and without optional equipment)	3,821
Payload including the driver(*)	905
Maximum permitted loads(**)	155
Front axle	2,260
Rear axle	2,646
Total	4,774

(\*) If special equipment is fitted (trailer towing equipment, etc.) the empty weight will increase and consequently the payload will decrease in relation to the maximum permitted loads.

(\*\*) Loads not to be exceeded. The user is responsible for arranging goods in the luggage compartment and/or on the load platform within the maximum permitted loads.

## FUEL REQUIREMENTS



These engines are designed to meet all emission regulations, and provide satisfactory fuel economy and performance when using high-quality unleaded regular gasoline having a posted octane number of

87 as specified by the (R+M)/2 method. For optimal performance the use of 91 or higher octane premium gasoline is recommended in these engines.

While operating on gasoline with the required octane number, hearing a light knocking sound from the engine is not a cause for concern. However, if the engine is heard making a heavy knocking sound, see your dealer immediately. Use of gasoline with a lower than recommended octane number can cause engine failure and may void or not be covered by the New Vehicle Limited Warranty.

Poor quality gasoline can cause problems such as hard starting, stalling, and hesitations. If you experience these symptoms, try another brand of gasoline before considering service for the vehicle.

### REFORMULATED GASOLINE

Many areas of the country require the use of cleaner burning gasoline referred to as "reformulated gasoline". Reformulated gasoline contains oxygenates and are specifically blended to reduce vehicle emissions and improve air quality.

The use of reformulated gasoline is recommended. Properly blended reformulated gasoline will provide improved performance and durability of engine and fuel system components.

## GASOLINE/OXYGENATE BLENDS

Some fuel suppliers blend unleaded gasoline with oxygenates such as ethanol.



### CAUTION!

DO NOT use E-85, gasoline containing methanol, or gasoline containing more than 15% ethanol (E-15). Use of these blends may result in starting and drivability problems, damage critical fuel system components, cause emissions to exceed the applicable standard, and/or cause the Malfunction Indicator Light to illuminate. Please observe pump labels as they should clearly communicate if a fuel contains greater than 15% ethanol (E-15).

Problems that result from using gasoline containing more than 15% ethanol (E-15) or gasoline containing methanol are not the responsibility of the manufacturer and not covered under New Vehicle Limited Warranty.

### CNG AND LP FUEL SYSTEM MODIFICATIONS

Modifications that allow the engine to run on Compressed Natural Gas (CNG) or Liquid Propane (LP) may result in damage to the engine, emissions, and fuel system components. Problems that result from running CNG or LP are not the responsibility of the manufacturer and not covered under the New Vehicle Limited Warranty.

## METHYLCYCLOPENTADIENYL MANGANESE TRICARBONYL (MMT) IN GASOLINE

MMT is a manganese-containing metallic additive that is blended into some gasoline to increase octane. Gasoline blended with MMT provides no performance advantage beyond gasoline of the same octane number without MMT. Gasoline blended with MMT reduces spark plug life and reduces emissions system performance in some vehicles. The manufacturer recommends that gasoline without MMT be used in your vehicle. The MMT content of gasoline may not be indicated on the gasoline pump; therefore, you should ask your gasoline retailer whether the gasoline contains MMT. MMT is prohibited in Federal and California reformulated gasoline.

### MATERIALS ADDED TO FUEL

Besides using unleaded gasoline with the proper octane rating, gasolines that contain detergents, corrosion and stability additives are recommended. Using gasolines that have these additives will help improve fuel economy, reduce emissions, and maintain vehicle performance.



Designated TOP TIER Detergent Gasoline contains a higher level of detergents to further aid in minimizing engine and fuel system deposits. When available, the usage of TOP TIER Detergent Gasoline is

recommended. Visit [www.toptiergas.com](http://www.toptiergas.com) for a list of TOP TIER Detergent Gasoline retailers.

Indiscriminate use of fuel system cleaning agents should be avoided. Many of these materials intended for gum and varnish removal may contain active solvents or similar ingredients. These can harm fuel system gasket and diaphragm materials.



**FUEL SYSTEM CAUTIONS****CAUTION!**

Follow these guidelines to maintain your vehicle's performance:

- The use of leaded gasoline is prohibited by Federal law. Using leaded gasoline can impair engine performance and damage the emissions control system.
- 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 an 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 and may void or not be covered under the New Vehicle Limited Warranty.

**NOTE:**

Intentional tampering with the emissions control system can result in civil penalties being assessed against you.

**FLUID CAPACITIES****2.0L ENGINE**

Component	US	Metric
Fuel Tank	15.3 gal	58 L
Fuel Tank Reserve	2.3 gal	9 L
Engine Cooling System	2.2 gal	8.6 L
Intercooler Cooling System	1.1 gal	4.3 L
Engine Oil Sump And Filter	5.5 qt	5.2 L
Hydraulic Brake Circuit	0.9 qt	0.9 L
Windshield Washer Fluid Reservoir	1.1 gal	4.2 L
Automatic Transmission	9.9 qt (RWD Model) / 9.8 qt (AWD Model)	9.4 L (RWD Model) / 9.3 L (AWD Model)
Differentials And Reduction Gears RDU 195	0.9 qt	0.9 L
Differentials And Reduction Gears RDU 230-TV	-	-
RDU 230-LSD Differential - If Equipped	0.9 qt	0.9 L
RDU 210/215-LSD Differential - If Equipped	1.1 qt	1.1 L
AWD System FAD Transfer Case	0.5 qt	0.5 L
AWD System Transfer Case	0.7 qt	0.7 L

## 2.9L V6 ENGINE

Component	US	Metric
Fuel Tank	15.3 gal	58 L
Fuel Tank Reserve	2.3 gal	9 L
Engine Cooling System	2.95 gal	11.2 L
Intercooler Cooling System	1.4 gal	5.5 L
Engine Sump And Filter	7.2 qt	7 L
Hydraulic Brake Circuit	0.9 qt	0.9 L
Windshield Washer Fluid Reservoir	1.1 gal	4.2 L
Automatic Transmission	-	-
Differentials And Reduction Gears RDU 195	-	-
Differentials And Reduction Gears RDU 230-TV	Main body: 0.8 qt Left TV: 0.5 qt Right TV: 0.6 qt	Main body: 0.8 L Left TV: 0.5 L Right TV: 0.6 L
RDU 230-LSD Differential	-	-
RDU 210-eLSD Differential (If Equipped)	-	-
RDU 210/215-LSD Differential	-	-



## ENGINE FLUIDS AND LUBRICANTS

### 2.0L Engine

Features	Specification	Replacement Interval
We recommend using Mopar® API SP/GF-6A Certified SAE OW-30 Full Synthetic Engine Oil which meets the requirements of the manufacturer Material Standard MS-13340. Equivalent full synthetic OW-30 API SP engine oil can be used but must have the API Donut Trademark.	The manufacturer Material Standard MS-13340	According to the Maintenance Plan
<b>CAUTION!</b>		
<b>Failure to use the recommended API SP/GF-6A or equivalent oil can cause engine damage not covered by the vehicle warranty.</b>		

If lubricants conforming to the specific request are not available, products that meet the indicated specifications can be used to top up; in this case optimal performance of the engine is not guaranteed.

### 2.9L Engine

Features	Specification	Replacement Interval
5W-40 ACEA C3 API SN	FPT 9.55535-GH2 MS-12991	According to the Maintenance Plan

If lubricants conforming to the specific request are not available, products that meet the indicated specifications can be used to top up; in this case optimal performance of the engine is not guaranteed.



# CHASSIS FLUIDS AND LUBRICANTS

## 2.0L Engine

Use	Features	Specification	Applications
Lubricants and greases	ZF 8HP 50 - Synthetic ATF	-	Automatic transmission
	SAE 75W-85 Synthetic lubricant	FPW9.55550-DA9	Differential and reduction units RDU 195; RDU 230-LSD; RDU 210-eLSD; RDU 210/215-LSD
	SAE 75W-80 APL GL-5 Synthetic lubricant	FPW9.55550-DA10	AWD System FAD transfer case
	SAE 75W Synthetic lubricant	FPW9.55550-DA11	AWD System TRANSFER CASE
Brake fluid	DOT 4	MS.90039	Hydraulic brakes
Engine coolant	CUNA NC 956-16 ASTMD3306	MS.90032	Use rate 50% Not mixable with different formulation products. (*)
Windshield washer fluid	CUNA NC 956-11	MS.90043	To be used diluted or undiluted in windshield washer/wiper systems
HVAC	R1234yf	-	-

(\*) For particularly harsh climate conditions, a mixture of 60% product and 40% distilled water is recommended.

## 2.9L Engine

Use	Features	Specification	Applications
Lubricants and greases	ZF 8HP 50 - Synthetic ATF	-	Automatic transmission
	SAE 75W-85 API GL-5 Synthetic lubricant	FPW9.55550-DA8	Differential and reduction units RDU 230-TV / 2.9 V6 engine
Brake fluid	DOT 4	MS.90039	Hydraulic brakes
Engine coolant	CUNA NC 956-16 ASTMD3306	MS.90032	Use rate 50% Not mixable with different formulation products. (*)
Windshield washer fluid	CUNA NC 956-11	MS.90043	To be used diluted or undiluted in windshield washer/wiper systems
HVAC	R1234yf	-	-

(\*) For particularly harsh climate conditions, a mixture of 60% product and 40% distilled water is recommended.



## PERFORMANCE — 2.0L ENGINE

Top performance after the initial period of vehicle usage.

Models	Maximum Speed mph	Acceleration From 0–60 mph (0-100 km/h) Seconds
RWD	149 *	5.5 *
AWD	149 *	5.1 *

\*Based on manufacturer testing.

## PERFORMANCE — 2.9L ENGINE

Top performance after the initial period of vehicle usage.

Maximum Speed mph	Acceleration From 0–60 mph (0-100 km/h) seconds
191 *	3.8 *

\*Based on manufacturer testing.

# SUGGESTIONS FOR OBTAINING SERVICE FOR YOUR VEHICLE

## PREPARE FOR THE APPOINTMENT

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, as 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 (additional charges may apply). If you need a rental, it is advisable to make these arrangements when you call for an appointment.

# IF YOU NEED ASSISTANCE

FCA US LLC and its authorized dealers are vitally interested in your satisfaction. We want you to be happy with our products and services.

Warranty service must be done by an authorized dealer. We strongly recommend that you take the vehicle to an authorized dealer. They know your vehicle the best, and are most concerned that you get prompt and high quality service. FCA US LLC's authorized dealers have the facilities, factory-trained technicians, special tools, and the latest information to ensure the vehicle is fixed correctly and in a timely manner.

This is why you should always talk to an authorized dealer's service manager first. If for some reason you are still not satisfied, talk to the general manager or owner of the authorized dealer. They want to know if you need assistance. If an authorized dealer is unable to resolve the concern, you may contact FCA US LLC's Customer Assistance center.

Any communication to FCA US LLC's customer center should include the following information:

- Owner's name and address
- Owner's telephone number (mobile, home and office)
- Authorized dealer name
- Vehicle Identification Number (VIN)
- Vehicle delivery date and mileage

## ROADSIDE ASSISTANCE

Available 24 hours, 7 days a week.

Call 1-855-299-1368 or visit [alfaromeo.rsahelp.com](http://alfaromeo.rsahelp.com) (USA)

Call 1-800-363-4869 or visit [fca.roadsideaid.com](http://fca.roadsideaid.com) (Canada)

## Who is Covered

You are covered by Roadside Assistance services if you are a purchaser for use of the vehicle. Roadside Assistance services last for four years, regardless of mileage, calculated from the start date of the Basic Limited Warranty, as set forth in Warranty Information book.<sup>1</sup>

1. Towing services provided through Cross Country Motor Club, Inc.,

Medford, MA 02155, except in AK, CA, HI, OR, WI, and WY, where services are provided by Cross Country Motor Club of California, Inc., Thousand Oaks, CA 91360.

## What to Do

If your vehicle requires jump start assistance, out of gas/fuel delivery, tire service, lockout service or towing as a result of a mechanical breakdown, dial toll-free: USA: 1-855-299-1368/Canada: 800-363-4869. Provide your name, Vehicle Identification Number (VIN) required for covered services, license plate number, and your location, including the telephone number from which you are calling. Briefly describe the nature of the problem and answer a few simple questions. You will be given the name of the service provider and an estimated time of arrival. If you feel you are in an "unsafe situation", please let us know. With your consent, we will contact local police or safety authorities.

## If Unable to Contact Roadside Assistance

If you are unable to contact Roadside Assistance or unable to provide a valid Vehicle Identification Number (VIN), and you obtain towing services on your own, you may submit your original receipts from the licensed towing or service facility for services rendered within 30 days of the occurrence. Be sure to include your VIN, odometer mileage at the time of service, and current mailing address. We will process the claim based on vehicle and service eligibility. If eligible, we will reimburse you for the reasonable amount actually paid, based on the usual and customary charges for that



service in the area where they were provided. FCA US LLC's determination relating to reimbursement is final. Correspondence should be mailed to:

FCA US LLC Customer Assistance

P.O. Box 9145

Medford, MA 02155

Attention Claims Department

FCA US LLC reserves the right to modify the terms or discontinue the Roadside Assistance Program at any time. The Roadside Assistance Program is subject to restrictions and conditions of use, which are determined solely by FCA US LLC.

#### **Flat Tire Service**

If you are inconvenienced by a flat tire, we will dispatch a service provider to install your vehicle's temporary spare tire (if equipped) as recommended in your Owner's Manual. This is not a permanent flat tire repair.

#### **Out of Gas/Fuel Delivery**

Drivers cannot always count on a gas station being nearby, especially when traveling away from home. We will dispatch a service provider to deliver a small amount of fuel (maximum two gallons) to get you to a nearby station. This service is limited to two occurrences in a 12-month period.

#### **Battery Jump Assistance**

No time is a good time for a depleted battery. With Roadside Assistance, you do not have to worry about being stranded. We will dispatch a service provider to provide you with a battery jump anytime, day or night.

#### **Lockout Service**

Whether the keys are locked in your vehicle or frozen locks are keeping you from getting on your way, help is just a phone call away. This service is limited to providing access to the vehicle's seating area. It does not cover the cost of replacement keys.

#### **Towing Service**

Our towing service gives you peace of mind and confidence. If your vehicle becomes disabled as a result of a mechanical breakdown, Roadside Assistance will dispatch a towing service to transport your vehicle to the closest authorized Alfa Romeo dealer. If you choose to go to another dealer, you will be responsible for the cost of the extra distance.

### **ALFA ROMEO CUSTOMER CENTER**

P.O. Box 21-8004

Auburn Hills, MI 48321-8004

Phone: 1-844-Alfa-USA (1-844-253-2872)

### **ALFA ROMEO CUSTOMER CARE (CANADA)**

P.O. Box 1621

Windsor, Ontario N9A 4H6

Phone: 1-877-230-0563 (English) Phone:

1-877-515-9112 (French)

### **CUSTOMER ASSISTANCE FOR THE HEARING OR SPEECH IMPAIRED (TDD/TTY)**

To assist customers who have hearing difficulties, FCA US LLC 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 FCA US LLC by dialing 1-800-380-2479.

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 FCA US LLC's New Vehicle Limited Warranty expires. The Mopar® Vehicle Protection plans are the ONLY vehicle extended protection plans authorized, endorsed and backed by FCA US LLC to provide additional protection beyond your vehicle's warranty. If you purchased a Mopar® Vehicle Protection Plan, 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 FCA US LLC's Service Contract National Customer Hotline at 1-800-521-9922.

For Canadian residents, you may have purchased additional coverage with an extended service contract. FCA Canada Inc. stands fully behind its service contracts. Be sure that the one you buy is a genuine Canada Inc. service contract. We are not responsible for other companies' contracts. If you purchased a contract other than a genuine FCA Canada Inc. service contract and you have a problem, you will have to contact the administrator of that contract for resolution. If you have any questions about the service contract, call the FCA's Service Contract National Customer Hotline at (800) 465-2001 English / (800) 387-9983 French.

FCA US LLC is not responsible for any service contract you may have purchased from another manufacturer. If you require service after the FCA US LLC 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.

## WARRANTY INFORMATION

See the Warranty Information available online, for the terms and provisions of FCA US LLC and FCA Canada Inc. warranties applicable to this vehicle and market.

Use this QR code to access your digital experience.



## 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 FCA US LLC.

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, an authorized dealer or FCA US LLC.

To contact NHTSA, you may call the Vehicle 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 [www.apps.tc.gc.ca/Saf-Sec-Sur/7/PCDB-BDPP](http://www.apps.tc.gc.ca/Saf-Sec-Sur/7/PCDB-BDPP).

## PUBLICATION ORDER FORMS

To order the following manuals, you may use either the website or the phone numbers listed below.

### Service Manuals

These comprehensive Service Manuals provide a complete working knowledge of the vehicle, system, and/or components and 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 manuals make it easy to find and fix problems on computer-controlled vehicle systems and features. They show exactly how to find and correct problems, using step-by-step troubleshooting and drivability procedures, proven diagnostic tests and a complete list of all tools and equipment.

To order a digital copy of your Service or Diagnostic Procedure manuals, visit:

[www.techauthority.com](http://www.techauthority.com) (US and Canada).

### Owner's Manuals

These Owner's Manuals have been prepared with the assistance of service and engineering specialists to acquaint you with specific FCA vehicles.

To access your Owner's Information online, visit [www.mopar.com/om](http://www.mopar.com/om) (US) or [www.owners.mopar.ca](http://www.owners.mopar.ca) (Canada).

Or visit:

[www.techauthority.com](http://www.techauthority.com) to order physical copies of Owner's Manuals (US).

Owner's Manuals, Radio Manuals and Warranty Information Books can be ordered through Archway at:

☐ **1-800-387-1143 (Canada)**



**CHANGE OF OWNERSHIP OR ADDRESS**

\*If you have purchased this vehicle used or have changed your address, please provide the following information and mail to:

**FCA US LLC**

P.O. Box 21-8008

Auburn Hills, MI 48321-8004

Make sure to include the following:

- Date of Sale (mm/dd/yy)
- Vehicle Identification Number (17 Character ID located on top left of the instrument panel)
- Exact Odometer Reading
- First and Last Name
- Phone Number
- Street Address, City, State and Zip Code
- Email Address

\*Applies to US residents only.

**GENERAL INFORMATION**

The following regulatory statement applies to all Radio Frequency (RF) devices equipped in this vehicle:

This device complies with Part 15 of the FCC Rules and with Innovation, Science and Economic Development Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

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

Le présent appareil est conforme aux CNR d'Innovation, Science and Economic Development applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. l'appareil ne doit pas produire de brouillage, et
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

La operación de este equipo está sujeta a las siguientes dos condiciones:

1. es posible que este equipo o dispositivo no cause interferencia perjudicial y
2. este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

**RF Exposure Requirements**

To comply with FCC RF exposure compliance requirements, the device must be installed and operated to provide a separation distance of at least 20 cm from all persons.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

**NOTE:**

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

**Déclaration d'exposition aux radiations**

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps

**REMARQUE:** Des changements ou des modifications n'ayant pas été expressément approuvés par la partie responsable de la conformité pourraient révoquer l'autorisation d'utilisation de l'équipement.

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The driver's primary responsibility is the safe operation of the vehicle. Driving while distracted can result in loss of vehicle control, resulting in an accident and personal injury. FCA US LLC strongly recommends that the driver use extreme caution when using any device or feature that may take their attention off the road. Use of any electrical devices, such as cellular telephones, computers, portable radios, vehicle navigation or other devices, by the driver while the vehicle is moving is dangerous and could lead to a serious accident. Texting while driving is also dangerous and should never be done while the vehicle is moving. If you find yourself unable to devote your full attention to vehicle operation, pull off the road to a safe location and stop your vehicle. Some states or provinces prohibit the use of cellular telephones or texting while driving. It is always the driver's responsibility to comply with all local laws.

This Owner's Manual has been prepared to help you get acquainted with your new Alfa Romeo brand vehicle and to provide a convenient reference source for common questions.

Not all features shown in this manual may apply to your vehicle. For additional information, visit [www.alfaromeousa.com](http://www.alfaromeousa.com) (USA), [www.alfaromeo.ca](http://www.alfaromeo.ca) (Canada) or your local Alfa Romeo brand dealer.

This Owner's Manual is intended to familiarize you with the important features of your vehicle. Your most up-to-date Owner's Manual, Owner Handbook, Radio Instruction Manual and Warranty Booklet can be found by visiting the website on the back cover.

**U.S. Residents:** If you are the first registered retail owner of your vehicle, you may obtain a complimentary printed copy of the Warranty Booklet by calling **844-253-2872** or by contacting your dealer. Replacement kits can be purchased by visiting [www.techauthority.com](http://www.techauthority.com).

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## DRIVING AND ALCOHOL

Drunk driving is one of the most frequent causes of accidents. Your driving ability can be seriously impaired with blood alcohol levels far below the legal minimum. If you are drinking, don't drive. Ride with a designated non-drinking driver, call a cab, a rideshare, a friend, or use public transportation.

## WARNING

Driving after drinking can lead to an accident. Your perceptions are less sharp, your reflexes are slower and your judgment is impaired when you have been drinking. Never drink and then drive.



Whether it's providing information about specific product features, taking a tour through your vehicle's heritage, knowing what steps to take following an accident or scheduling your next appointment, we know you'll find the app an important extension of your Alfa Romeo brand vehicle. Simply download the app, select your make and model and enjoy the ride. To get this app, go directly to the App Store® or Google Play® Store and enter the search keyword "Alfa Romeo" (U.S. residents only).

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