



MASERATI

Ghibli

OWNER'S MANUAL





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Owner's Manual



Dear Customer,

thank you for choosing a Maserati.

This vehicle represents the result of Maserati's great experience in the design and production of sports, touring and racing vehicles.

The purpose of this manual is to provide you with an understanding of the equipment, systems and controls of the vehicle and to explain how they work.

Consulting this manual you will acquaint yourself with the equipment and optional properties of your Maserati in order to take best advantage of all its potential.

Before driving your vehicle for the first time, we suggest reading the printed Quick Guide carefully in order to quickly acquaint with commands and functions of your vehicle. You can consult this Owner's Manual and the Maserati Touch Control guide comprised in the DVD directly from the display of your vehicle or on your pc.

In a dedicated section of this manual you will also find instructions for basic maintenance procedures, in order to ensure steady levels of performance, quality and safe driving.

In addition, keep in mind that proper maintenance is an essential factor to help preserve the value of the vehicle over time and protect the environment.

For "Scheduled Maintenance" or any other operation, please contact the **Maserati Service Network**: you can trust our trained technical staff, who is constantly updated and provided with the required equipment in order to ensure that all service operations are performed properly and reliably.

The Quick guide and the DVD are integral part of the vehicle and should always be kept on board.

If you are the first owner of this vehicle, you can require a printed copy of the documents available on the DVD directly at the **Maserati Service Network**.

Maserati is committed to protect the environment and natural resources; this is why we chose to develop Owner's documentation in digital format instead of printing paper, thus reducing consumption of materials deriving from wood.







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Consulting the Manual

This Owner's Manual illustrates maintenance and use information related to gasoline motorization models, indicated as (Gasoline and/or Gasoline-AWD), and diesel motorization model (for markets where provided), indicated as (Diesel). If not otherwise specified, the information is valid for both models. For an easy identification of the topics, this Manual is divided into sections and chapters: each chapter can have more paragraphs. Within the text, important warnings and notes are also easily identifiable through icons.



WARNING!

Failure to comply with the instructions could cause **HAZARDOUS SITUATIONS** involving personal and vehicle safety.



ENVIRONMENTAL!

This note indicates the correct behavior when using the vehicle to protect the environment.



CAUTION!

Aimed at preventing any damage to the vehicle and thus hazards involving the safety of persons.

NOTE:

Additional information regarding the subject and/or the operation described.

- “Left” and “right” in this manual, always refer to the driving direction.
- All indications and images in this Manual refer to a vehicle with left-hand drive. On right-hand drive vehicles, some controls are ordered differently than shown in the illustrations.
- If not otherwise specified, the instrument cluster shown in the images belongs to the gasoline motorization model – however the indications given are also valid for the diesel motorization model.

Abbreviations

Some descriptions and terms with particular meanings are found in this manual in abbreviated form.

A.C.	AIR CONDITIONING SYSTEM.
ABS	ANTI-LOCK BRAKING SYSTEM.
AFS	ADVANCED FRONTLIGHTING SYSTEM.
ALR	AUTOMATIC LOCKING RETRACTOR.
ATC	AUTOMATIC TEMPERATURE CONTROL.
AWD	ALL-WHEEL DRIVE.
BAS	BRAKE ASSIST SYSTEM.
CAN	CONTROLLER AREA NETWORK.
DPF	DIESEL PARTICULATE FILTER.
DRL	DAYTIME RUNNING LIGHTS.
EBD	ELECTRONIC BRAKE-FORCE DISTRIBUTION.
ECU	ELECTRONIC CONTROL UNIT.
EDR	EVENT DATA RECORDER.
EOBD	EUROPEAN ON BOARD DIAGNOSTICS.
EPB	ELECTRIC PARKING BRAKE.



ESC	ELECTRONIC STABILITY CONTROL.
ETC	ELECTRONIC THROTTLE CONTROL.
HSA	HILL START ASSIST.
HBA	HYDRAULIC BRAKE ASSISTANCE.
I C E	INCREASE CONTROL EFFICIENCY.
MIL	MALFUNCTION INDICATOR LIGHT.
MTC	MASERATI TOUCH CONTROL.
RAB	READY ALERT BRAKING.
RBS	RAIN BRAKE SUPPORT.
RHD	RIGHT-HAND DRIVE.
RKE	REMOTE KEYLESS ENTRY.
RWD	REAR-WHEEL DRIVE.
SBR	SEAT BELT REMINDER.
SRS	SUPPLEMENTAL RESTRAINT SYSTEM.
TCS	TRACTION CONTROL SYSTEM.
TFT	THIN FILM TRANSISTOR.
TPMS	TIRE PRESSURE MONITORING SYSTEM.
VIN	VEHICLE IDENTIFICATION NUMBER.

Updating

The vehicle's high quality level is guaranteed by constant improvements. Therefore, there may prove to be differences between this manual and your vehicle.

Maserati reserves the right to carry out design and functional changes and to achieve additions or improvements without incurring any obligation to update previously manufactured vehicles.

The Owner's Manual illustrates and describes all versions of the current vehicle model. Therefore, some of the equipment and accessories in this publication may not appear on your vehicle; please only consider the information related to your vehicle. All specifications and illustrations contained in this manual refer to the Manual publishing date.

NOTE:

The updated version of the on-board documentation can also be consulted by accessing the section "SERVICES" on the website <http://www.maserati.com> or by using the specific apps developed for the more common Tablet and Smartphone.

Service and Warranty

The information provided in this manual is limited to instructions and indications that are strictly required for vehicle use and proper maintenance.

By following these instructions carefully the vehicle will certainly meet the owner's satisfaction and the best results.

We also advise you to have all the maintenance services and inspections carried at the **Service Network**. Please be advised that Maserati recommends to address to the **Official Service Network**, which is available in the official Maserati website (www.maserati.com).

All features and accessories installed on the vehicle have been designed by Maserati engineers and have successfully passed rigorous tests, submitted in all conditions of use. Installing aftermarket accessories not approved by Maserati may interfere with the vehicle electronics and compromise driving safety. For details and information about the warranty, please refer to the "Warranty Card".



The **Maserati Service Network** is at your complete disposal for any information and suggestions.

Spare Parts Service

With genuine parts you keep the reliability, comfort and performance features of your new car unchanged in time.

For service and scheduled maintenance Maserati suggests you to always ask for genuine parts since they are the result of constant research and development and of reliability and new technologies.

For the above mentioned reasons and because they are specifically designed for this vehicle, rely on genuine parts. Always ask for genuine parts and make sure they are used for all services.

Symbols

There are specific colored plates on or near some of the components on your Maserati designed to attract user's attention. Important warnings concerning all specific devices that the user must consider, are reported on the internal lid cover central label (see "Vehicle Identification Data" in this section).

All symbols reported on the plate and inside the vehicle, as well as the component for which the symbols stand, are summarized in the following list. These symbols are divided into categories according to their meaning.

Danger Symbols



Battery
Corrosive liquid.



Battery
Explosion.



Blower
May start automatically even with engine off.



Coolant expansion tank
Do not open cap with engine warm.



Coil - headlights
High voltage.



Belts and pulleys
Moving parts, keep body and clothing clear.



Air-conditioning lines
High pressure gas, do not open.

Symbols of Prohibitions and Compulsory Measures



Battery
Keep away from flames.



Battery
Keep out of children's reach.



Heat guards - belts - pulleys - fans
Do not touch.



Battery
Wear eye protection.



Battery - jack
Refer to the owner manual.

Warning Symbols



Engine - Engine Oil Refilling Plug
Engine oil. We recommend you use oil with the characteristics indicated in chapter "Refillings" in section 8.



Hydraulic steering tank
Power steering fluid. Do not exceed max. level. We recommend you use liquid with the characteristics indicated in chapter "Refillings" in section 8.



Brake fluid tank
Brake fluid type DOT 4. Do not exceed max. level. We recommend you use fluid with the characteristics indicated in chapter "Refillings" in section 8.



Radiator coolant expansion tank
Use antifreeze liquid for radiators with the characteristics indicated in chapter "Refillings" in section 8.



Windshield washer tank
Windshield washer. We recommend you use liquid with the characteristics indicated in chapter "Refillings" in section 8.



Warnings when driving

1

Your driving skills will improve with experience, but be especially careful at the beginning. Always comply with local traffic regulations wherever you drive.

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

Operating this vehicle at excessive speed or in an altered state or while intoxicated may result in loss of control, going off the road, or overturning. In all these situations a collision with other vehicles or objects is more likely to happen with the risk to cause an accident that may lead to serious injury.

In case of an accident, failure to use seat belts causes the driver and passengers a greater risk of injury or death.

This Owner's Manual contains warnings against operating procedures that could result in a collision or injury or damage to the environment. It also contains cautions against procedures that could damage the vehicle.

If you do not entirely read this manual, you may miss important information. Consider carefully all warnings and cautions.



WARNING!

- It is the driver's responsibility to operate the vehicle in a safe way: if you are distracted while driving you can lose control and cause serious accidents.
- Maserati strongly recommends to use particular care when operating the features and tools that may take the attention off the road.
- Mobile phones, pc, portable audio device or other features operated improperly while the vehicle is moving can be very dangerous and can cause serious accidents.
- It is very dangerous to send text messages while driving, do so only when the vehicle is not moving.
- In some Countries the use of mobile phone when driving is forbidden: it is the driver's sole responsibility to respect local regulations.



Vehicle Identification Data

Vehicle Identification Number

The vehicle's identification number (VIN) is punched on the foot platform, in front of the passenger front seat.



To read the number, lift the mat and slide the guard.



The VIN Number is also visible from the outside through the windshield on the front left corner of the dashboard.



NOTE:

When ordering spare parts or making inquiries, always quote the vehicle identification number.

Warning and Identification Plates

Overview label with cautions and warning notes

On this label attached centrally on the internal side of the engine lid cover, you can identify all cautions, warning notes and symbols that are also reported on some parts/components of the vehicle.

For further information refer to "Symbols" in this section.



Passenger Air bag Label

The label is applied on the external side of passenger's sun visor and below it.





1

Danger Restart Engine with Hood open Label

The label is applied on the lower right side of the hood.



Vehicle Identification Plate

The plate is fitted on the rear right hand door's ledge and it shows the following details.

- Manufacturer's name.
- Homologation number.
- Serial Number (V.I.N.).
- Maximum admissible weight.
- Maximum admissible weight on first (front) axle.
- Maximum admissible weight on second (rear) axle.
- Engine type.
- Vehicle version code.
- Assembly Number.



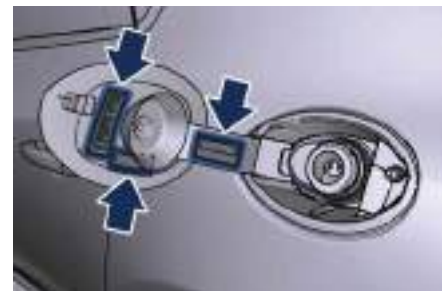
Paint Identification Plate

The plate is applied onto the engine compartment lid.



Fuel Warning Labels

The labels are applied inside the fuel filler door. This labels are specific to gasoline engines and diesel engine.





2 – Before Starting

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Keys

The vehicle is equipped with a Remote Keyless Entry transmitter and a Keyless Ignition Node, to enter, start and protect the vehicle.



Keyless Ignition Device

This device allows the driver to operate the ignition switch with the push of a button, as long as the Remote Keyless Entry (RKE) transmitter is inside the vehicle.



The Keyless Ignition Node (KIN) has three operating setups indicated on the outer ring. Pressing and releasing the middle button, you can switch from one setup to the next without starting the engine, the "switched on" indication will turn amber. The engine will start by pushing the center button **START/STOP** with the brake pedal pressed and the device set in any of the three operating setups.



In case the ignition switch does not change by pushing a button, the RKE transmitter (key fob) may have a low or discharged battery. If this occurs it is necessary to replace the battery in order to operate the ignition switch (see "Requiring and Setting Additional Key fobs" in this section).



It is still possible to operate the ignition device using the key fob RKE transmitter with discharged battery by pressing the nose side (side opposite of the emergency key) of the key fob on the **START/STOP** button.

Key fob

The vehicle is provided with two programmed key fobs. The key fob also contains the Remote Keyless Entry (RKE) transmitter and an inserted emergency key in the rear. The emergency key allows to open the vehicle by inserting into the lock of the opening handle on the driver's door (for versions/markets, where provided), in case the battery of the vehicle or the key fob are discharged.



You can keep the emergency key with you when using valet parking. To remove the emergency key:

- hold the mechanical latch on the back of the key fob sideways;
- simultaneously remove the emergency key by sliding laterally towards the end of the remote control.



NOTE:

You can insert either side of the emergency key into the lock cylinder.

Shift Ignition Device to OFF Alert

Opening the driver's door to exit the vehicle when the ignition device is set in **ACC** or **RUN** (engine not running), a beep will remind you to cycle the ignition to **OFF**.

The audio sound is followed by a dedicated message displayed on the instrument cluster.

With the MTC System, the power window switches, radio, power sunroof (for versions/markets, where provided), and power outlets will remain active for up to 10 minutes after the ignition switch is cycled to the **OFF** position. Opening either front door will cancel this feature, it is



possible to set the timing of this feature.

NOTE:

Refer to “MTC Settings” in Section 4 for further information.



WARNING!

- When leaving the vehicle, always remove 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 switch, brake pedal or the shift lever.
- Do not leave the key fob in or near the vehicle, and do not leave the ignition switch in the ACC or RUN mode. A child could operate power windows, other controls, or move the vehicle.

- Do not leave children or animals inside parked vehicles in hot weather. Interior heat build-up may cause serious injury or death.
- An unlocked car is an invitation to thieves. Always remove the key fob from vehicle, cycle the ignition switch to OFF and lock all doors when leaving the vehicle unattended.

Sentry Key[®] Immobilizer System

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

The system uses a key fob with Remote Keyless Entry (RKE) transmitter, an ignition switch and a RF (Radio Frequency) receiver to prevent unauthorized vehicle operation. Therefore, only key fobs expressly programmed can be used to start and operate the vehicle.

After placing the ignition in the **RUN** position, the Vehicle Security Light (see picture) will light up for a three seconds bulb check.

If the light remains on after the bulb check, it indicates that there is a problem with the electronics: this condition will result in the engine being shut off after two seconds.

If the Vehicle Security Light turns on during normal vehicle operation (engine running for longer than 10 seconds), an electronic fault is detected. Should this occur, ask as soon



as possible the **Maserati Service Network** for assistance.



CAUTION!

The Sentry Key® Immobilizer system is not compatible with some remote starting systems that can be installed in after-market.

Use of these systems may result in vehicle starting problems and loss of security protection.

All key fobs provided with the new vehicle have been updated with the vehicle electronics and are therefore able to guarantee correct functioning and protection.

General Information

The Sentry Key® immobilizer system operates on a carrier frequency of 433.92 MHz. and is used in the following European Countries, which apply Directive 1999/5/EC: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovenia, Spain, Sweden, Switzerland, former Yugoslavia Countries, and United Kingdom. Operation is subject to the following conditions:

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

Replacement Key fobs

NOTE:

Only key fobs that are updated with the vehicle electronics can be used to start and operate the vehicle. Once a key fob is programmed to a vehicle, it cannot be programmed to any other vehicle.



WARNING!

- **Always remove the key fobs from the vehicle and lock all doors when leaving the vehicle unattended.**
- **Always remember to cycle the ignition switch to OFF.**

Duplication of key fobs may be performed by the **Maserati Service Network** only.

This procedure consists of programming a key fob that has never been programmed to the vehicle's electronics.

NOTE:

- *When having the Sentry Key® Immobilizer System serviced, bring all key fobs provided with the vehicle with you to the **Maserati Service Center**.*
- *When selling the vehicle, it is necessary to provide the new owner with all key fobs.*



Vehicle Security Alarm

The vehicle security alarm monitors the vehicle doors and boot lid for unauthorized entry and the **START/STOP** button for unauthorized operations.

The system includes a dual function anti-intrusion sensor and vehicle anti-lift sensor. The anti-intrusion sensor monitors the vehicle interior for motion.

The vehicle anti-lift sensor monitors the vehicle for any lifting or tilting actions (tow away, tire removal, ferry transport, etc). A siren with battery backup which senses interruptions of power and communications is also included.

While the vehicle security alarm is enabled, interior door locks switches, boot lid and fuel filler door release are disabled. If something triggers the alarm, the vehicle security alarm will provide the following audible and visible signals: intermittent buzzer, park lights and/or turn signals and the vehicle security light on the dashboard will flash.

This light will fast flash for approximately 15 seconds, when the vehicle security alarm is being armed,

and will then flash slowly until the vehicle is disarmed.




Rearming the System

If something triggers the security alarm, and no quick action is taken to disarm it, the vehicle security alarm will turn off the beeper after 29 seconds, and turn off all of the visual signals after 31 more seconds; the vehicle security alarm will then rearm itself.

Arming the System

Follow these steps to arm the vehicle security alarm.

- Make sure the vehicle ignition switch is **OFF**.
- Perform one of the following methods to lock the vehicle:
 - Press the  lock button on the interior power door lock switch

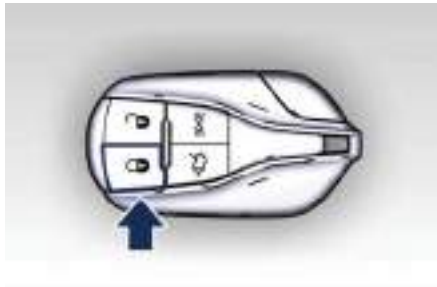
located on the driver door trim panel with the driver and/or passenger door open.





- Press the button on the exterior Passive Entry door handle having a valid key fob RKE transmitter in the same exterior zone (see "Passive Entry System" in this section for further information).



- Press the  lock button on the key fob RKE transmitter.




- If any door is open, close it.
- In any of these situations, if one or more windows are open, will remain open. To close the windows press again the  lock button and hold it until their closure.
- Each time the vehicle security alarm is armed, the anti-intrusion and anti-lift sensors actively monitor the vehicle. When arming the security alarm, it is

possible to disable these sensors by pressing the  button on the remote control three times within 5 seconds from the moment the system has been armed (meanwhile the security alarm light flashes rapidly).

To disarm the System

Use any of the following steps to disarm the vehicle security alarm.

- Press the  button on key fob RKE transmitter.
- Grasp the Passive Entry unlock door handle (see “Passive Entry System” in this section for further information).
- Press the **START/STOP** button so as to release the **OFF** position.

NOTE:

When the vehicle security alarm is armed, the interior power door lock switch will not allow to unlock the doors.


The vehicle security alarm is designed to protect your vehicle; however, you can create conditions where the system will give you a false alarm. If one of the previously described arming sequences has occurred, the vehicle security alarm will arm regardless of whether you are in the vehicle or not. If you remain in the

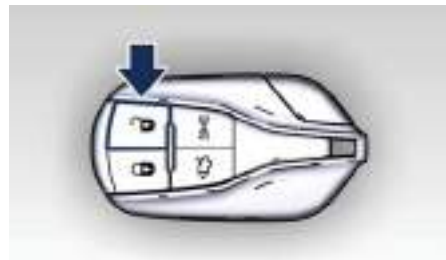
vehicle and open a door, the alarm will activate. If this occurs, disarm the vehicle security alarm. If the vehicle security alarm is armed and the battery becomes disconnected, the vehicle security alarm will remain armed when the battery is reconnected; the exterior lights will flash, the buzzer will activate. If this occurs, disarm the vehicle security alarm.




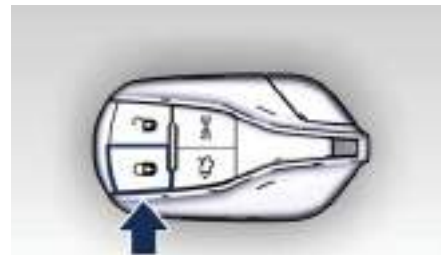
Illuminated Entry/Exit

Lights will turn on and off when you enter/exit the vehicle and operate the buttons on the key fob RKE transmitter and/or on the Passive Entry system as follows:


- If the lock command is enabled by pressing the specific  button on the key fob RKE transmitter or by the Passive Entry system, the "illuminated entry" mode will activate. Courtesy & dimmable internal lighting, night front seats lighting, and approach lighting will stay on for 27 seconds.



- If the lock command of the car is enabled by pressing the specific  button on the key fob RKE transmitter or by the Passive Entry system, when the key fob RKE transmitter is out of range, all the lights will turn off within 3 seconds, if they were previously on.

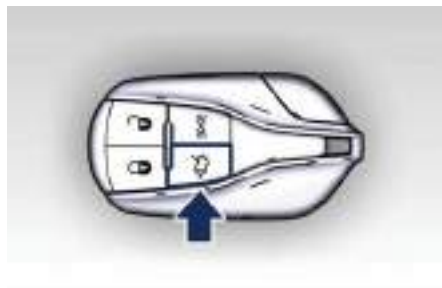





- If the boot lid command is enabled by the specific  button on the key fob RKE transmitter or, with vehicle unlocked, pressing the boot lid external button, in between the license plate lights, the inner boot light will turn on and will stay on for 10 minutes before turning off. Light will immediately turn off when closing the lid.



2



- If the  light button is pressed on the key fob RKE transmitter, the courtesy & dimmable lights and the approach lights will turn on; doors will stay locked.





Vehicle Lighting with Open/Closed Doors


- If one or more doors are open, the central light, front/rear domelights (main and spot light), the instrument panel, the MTC display and the night front seats lighting and the ignition switch backlighting will turn on and will lit for 27 seconds.
- If the doors are closed, all lights will turn off (within 3 seconds) with the exception of the console display and the ignition switch backlighting, which will turn off after 27 seconds.

Vehicle Headlight Switch Function

Vehicle lighting can be operated from the key fob RKE transmitter, the Passive Entry system and from the headlight switch on the left side of the dashboard (refer to "Lights" in section 3 for further information).

- If the headlight switch is in the "0" (OFF) mode all the switches backlighting and the front seats lighting will turn off.
- If the headlight switch is in the  position (Park mode) and the ignition switch is in OFF or ACC position, only the front low intensity LEDs of the external headlight will turn on.
- If the headlight switch is in  position (Park mode) and the

ignition switch is in RUN position, no lighting feature will be available.

- If the headlight switch is in  position (Low beam mode) the front domelight LED (if enabled), the switches backlighting, the instrument panel's display, the night front seats lighting will turn on. The front domelight LED and the night lighting of the front seats will light up with the intensity set by the right-hand regulator. If the regulator is in "0" (OFF) position, the night lighting will turn off.
- If the headlight is switched in "AUTO" position (on/off AUTO mode) and the ignition is switched in RUN position, as in "low beam mode" all lights turn on either in "DAY" or "NIGHT" mode according to the twilight sensor. In "DAY" mode the switches backlighting will be at 100% intensity, in "NIGHT" mode they will be as set by the left dimmer control switch.

NOTE:

In "DAY" mode, the switches are not backlighted, except the windows and steering switches.





Light Dimmer Controls

The light dimmer controls are part of the headlight switch and are positioned beside the switcher itself (see “Lights” in section 3 for further information).



Unlock Power Doors and Boot Lid with Key fob


The RKE system allows you to lock or unlock the doors and the fuel filler door, open the boot, turn the approach and courtesy lights on from a distance up to approximately 10 m (33 ft). The key fob RKE transmitter does not need to be pointed at the vehicle to activate the system. See “Illuminated Entry/Exit” in this section for further information.




NOTE:

Driving at speeds 8 km/h (5 mph) and above disables the system from responding to all key fobs RKE transmitter buttons.

Unlock the Doors and Fuel Filler Door

Press and release the unlock button  on the key fob RKE transmitter once to unlock the driver's door or twice within five seconds to unlock all doors and the fuel filler door. The turn signal lights will flash for the unlock signal recognition. The illuminated entry/exit system will also turn on. See “Passive Entry System” in this section for further information.

Unlock Driver Door/All Doors with Remote Key 1st Press

This feature allows you to program the system to unlock either the driver's door or all doors and the fuel filler door by the first press of the unlock button  on the key fob RKE transmitter. To change the current setting, see “MTC Settings” in section 4.

Lock/Unlock Doors Flash Lights


This feature will cause the flash of the turn signal lights when the doors are locked or unlocked with the key fob RKE transmitter. This feature can be turned on or turned off. To change the current setting, see “MTC Settings” in section 4.



Turn Headlights On with Remote key


This feature activates the headlights for up to 90 seconds when the doors are unlocked with the key fob RKE transmitter. The duration can be set as desired. To change the current setting, see “MTC Settings” in section 4.

Lock the Doors and Fuel Filler Door

Press and release the lock button  on the key fob RKE transmitter to lock all doors and the fuel filler door. The turn signal lights will flash for signal recognition.

Refer to “Passive Entry System” in this section for further information.

Unlatch the Boot Lid

Press the button  on the key fob RKE transmitter two times within five seconds to unlatch the boot lid. See “Passive Entry System” in this section for further information.

Steering Lock

The vehicle is equipped with an electric steering lock that is automatically activated when the ignition device is moved to **OFF**. To check activation, turn the steering wheel until it stops.

When the ignition device is moved to **RUN**, the steering lock automatically deactivates.

Requiring and Setting Additional Key fobs

In order to purchase additional key fob RKE transmitters you need to bring with you at the **Maserati Service Network**:

- all key fobs RKE transmitters in your possession;
- a personal ID;
- the identification and registration documents proving ownership of the vehicle.

Setting new key fobs RKE transmitters or re-setting the original ones may only be performed at the **Maserati Service Network**.

NOTE:

The codes of any key fob RKE transmitter that are not available when the new setting procedure is carried out will be deleted from the memory to prevent any lost or stolen key fob RKE transmitter being used to disarm the electronic alarm system.



Key fob Battery Replacement

NOTE:

A low charge level of the key fob battery will be indicated on the instrument cluster display.

The recommended replaced battery type is a: CR2032.
To replace the battery proceed as follows:

- Remove the emergency key as indicated in "Keys" chapter of the current section.
- Loosen the lateral screw that connects the two side covers with a small screwdriver.



- Separate the two lateral covers from the remote control case.



- Separate both parts of the remote control case.



- Remove the card with PCB (Printed Circuit Board).



- Remove the battery from its seat and replace with a new recommended type of battery.



ENVIRONMENTAL!

Batteries contain dangerous materials that could harm the environment. Please dispose of them according to local regulations or at the Maserati Service Network.

NOTE:

Avoid touching the new battery with your fingers. Skin oils may cause battery deterioration. If you touch a battery, clean with alcohol.

- Match the + sign on the battery to the + sign on the inside of the battery clip, located on the back cover.
- Replace the printed circuit board by using the indicated pin for the sealing of the two covers.

- Assemble the key fob case and reassemble the two lateral covers: a click will ensure the succeeded sealing.
- Combine the disassembled parts with clamping screw and reassemble the emergency key.

Radio Frequency RKE Transmitter - General Information

Transmitter and receivers used inside the vehicle operate on a carrier frequency of 433.92 MHz as required by EEC regulations. These devices must be certified to conform to specific regulations in each individual country. Two sets of regulations are involved: ETS (European Telecommunication Standard) 300–220, which most countries use, and German BZT federal regulation 225Z125, which is based on ETC 300–220 but has additional unique requirements. Other defined requirements are noted in ANNEX VI of COMMISSION DIRECTIVE 95/56/ EC. The current device feature is subject to following conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including

interference that may cause undesired operation.

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

- A weak battery in the key fob RKE transmitter. The expected life of the battery in normal use is a minimum of three years.
- Closeness to a radio transmitter such as a radio station tower, airport transmitter, and some mobile or CB radios.



Doors Locking



WARNING!

- For personal security and safety in the event of an accident, or robbery lock the vehicle doors before you drive as well as when parking and leave the vehicle unattended.
- When leaving the vehicle, always remove the key fob RKE transmitter 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 trigger, brake pedal or the shift lever.
- Do not leave the key fob in or near the vehicle, and do not leave ignition switch in the ACC or RUN mode. A child could operate power windows, other controls, or start the engine and the vehicle.

Doors Manual Lock

To lock each door, push the door lock knob on each door trim panel downward.



To unlock the front doors, pull the inside door handle to the first detent.





To unlock the rear doors, pull the door lock knob on the door trim panel upward.

If the door lock knob is down when you shut the door, the door will lock.

Therefore, make sure the key fob RKE transmitter is not inside the vehicle before closing the door.

Power Doors Locking/Unlocking

A power door lock switch  and a power door unlock switch  are positioned on the front door trim panel. Use this switches to lock or unlock the doors.





If the vehicle has been locked from inside with the above figured switches, the fuel filler flap remains unlocked.

The doors can also be locked and unlocked with the Passive Entry system. For further information, see “Passive Entry System” in this section. If you press the power door lock switch while the ignition switch is in the **ACC** or **RUN** position, and any front door is open, the power locks will not operate. This prevents you from accidentally locking the key fob RKE transmitter in the vehicle.

Cycling the ignition to the **OFF** position or closing the door will allow the locks of the doors and fuel filler door to operate. If a door is open with the key fob RKE transmitter inside the cabin and the ignition is in the **ACC** or **RUN** position, a beep will draw the driver's attention.

Automatic Locking Doors

The auto door lock feature default condition is disabled. When enabled, the door locks will lock automatically when the vehicle's speed exceeds 24 km/h (15 mph). The auto door lock feature can be enabled or disabled by a **Maserati Service Center** only which can also service the vehicle.

Automatic Door Unlock on Exit

The doors will unlock automatically on vehicles with power door locks if:

- The automatic unlock doors on exit feature is enabled.
- The transmission is in gear and the vehicle speed is 0 km/h.
- The transmission is in N (Neutral) or P (Park).
- The driver door is open.
- The doors were not previously unlocked.
- The vehicle speed is 0 km/h.

Set Automatic Door Unlock on Exit

To change the current setting, see “MTC Settings” in section 4.



NOTE:

Use the automatic unlock doors on exit feature in accordance with local regulations.

Child-Protection Door Lock System — Rear Doors

To provide a safer environment for small children sitting in the rear seats, the rear doors are equipped with a child-protection door lock system.

Engage or Disengage the Child-Protection Door Lock

- Open the rear door.
- Insert the tip of the emergency key into the lock and rotate to the lock  or  unlock position.
- Repeat the first two steps on the opposite rear door.



WARNING!

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

**NOTE:**

For emergency exit from the rear seats when the child-protection door lock system is engaged, manually raise the door lock knob to the unlocked position, roll down the window, and open the door using the outside door handle.

Passive Entry System

The Passive Entry system is an enhancement to the vehicle's Remote Keyless Entry (RKE) system. This feature allows you to lock and unlock the vehicle's door(s) without having to press the key fob RKE transmitter lock or unlock buttons.

NOTE:

- Passive Entry may be programmed to on/off; see "MTC Settings" in section 4 for further information.
- If wearing gloves, or if it has been raining on the Passive Entry door handle, the unlock sensitivity can be affected, resulting in a slower response time.

Unlock Door from the Driver Side

With a valid key fob RKE transmitter within 1.5 m (5 ft) of the driver's door handle, grip the driver's door external handle to unlock the door automatically. The interior door panel lock knob will raise when the door is unlocked.

**NOTE:**

If "Unlock All Doors 1st Press" is programmed all doors will unlock when you grip the front driver's door handle. To select between "Unlock Driver Door 1st Press" and "Unlock All Doors 1st Press", see "MTC Settings" in section 4.



Unlock Door from the Passenger Side

With a valid key fob RKE transmitter within 1.5 m (5 ft) of the passenger door handle, grip the front passenger external door handle to unlock all four doors automatically.

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




NOTE:

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

Preventing Inadvertent Locking of the Key fob RKE Transmitter inside the Vehicle

To minimize the possibility of unintentionally locking a key fob RKE transmitter 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.

If one of the vehicle doors is open and the door panel switch  is used to lock the vehicle, once all open doors have been closed the system checks the inside and outside of the vehicle for any valid key fobs RKE transmitter. If one of the vehicle's key fobs RKE transmitter is detected inside the vehicle, and no other valid key fobs RKE transmitter are detected outside the vehicle, the Passive Entry system automatically unlocks all vehicle doors and chirps the horn three times (on the third attempt ALL doors will lock and the key fob RKE transmitter will be locked in the vehicle).

NOTE:

The vehicle unlock the doors under any of the following conditions:

- the doors are manually locked using the door lock knob positioned on the door panel;



- there is a valid key fob RKE transmitter inside the vehicle;
- there is a not valid key fob RKE transmitter outside the vehicle.

NOTE:

The vehicle will not unlock the doors under any of the following conditions:

- the doors are locked using the key fob RKE transmitter;
- the doors are locked using the button on the Passive Entry front door handles;

(Continued)



(Continued)

- there is a valid key fob RKE transmitter outside the vehicle and within 1.5 m (5 ft) of either Passive Entry front door handle;
- three attempts are made to lock the doors using the door panel switch and then close the doors.



Manual Door Lock from Outside

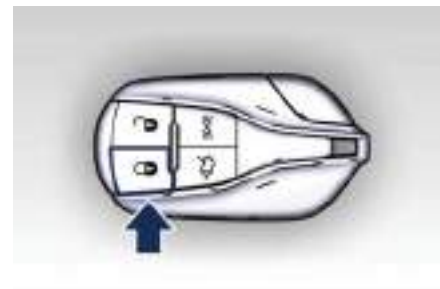
With one of the vehicle's key fobs RKE transmitter within 1.5 m (5 ft) of the driver or passenger front door handles, press the external door handle button to lock all four doors.

NOTE:

- After pressing the external door handle button, you must wait two seconds before you can lock or unlock the doors using this door handle. By pulling the external door handle, you can check if the car remains locked, without Passive Entry system reacting and unlocking the doors.
- The Passive Entry system will not operate if the key fob RKE transmitter battery is dead.



The vehicle doors can also be locked by using the key fob RKE transmitter lock button  or the lock button  located on the vehicle's inner door panel.





Power Windows

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



There are single window controls on each passenger door trim panel, which operate the corresponding window. The window controls will operate only when the ignition switch is in the **ACC** or **RUN** position.

NOTE:

- The power window switches will remain active for up to 10 minutes after the ignition switch is turned to the **OFF** position. Opening either front door will cancel this feature. The time lapse can be set. See "MTC Settings" in section 4 for further information.
- Frequent activations of the power windows could result in a temporary lock of their starters. In this case, wait a moment before a new activation.



WARNING!

Improper use of the power windows and the sunroof (if equipped) can however be dangerous, even with the anti-pinch prevention system. Before and during activation of the power window, always check that the passengers are not exposed to the risk of injury both by the moving window and by personal objects that could be dragged or hit by it. Do not leave unattended children in a vehicle with a key fob RKE transmitter inside. When getting out the vehicle, always remove the key fob RKE transmitter to prevent the windows being

accidentally activated, posing a risk to passengers remaining onboard.

Auto-Down Feature

The driver door power window switch and some model passenger door power window switches have an auto-down feature.

Press the window switch to the second detent, release, and the window will go completely down automatically. To open the window part way, press the window switch to the first detent and release it when you want the window to stop.

To stop the window from going all the way down during the auto-down operation, pull up on the switch briefly.

Auto-Up Feature with Anti-Pinch Protection

Lift the window switch to the second detent, release, and the window will go all the way up automatically. To stop the window from going all the way up during the auto-up operation, push down on the switch briefly. To close the window part way, lift the window switch to the first detent and release it when you want the window to stop.

**NOTE:**

- If the window runs into any obstacle during auto-closure, it will reverse direction and then go back down. Remove the obstacle and use the window switch again to close the window.
- Any impact due to rough road conditions may trigger the auto reverse function unexpectedly during auto-closure. If this happens, pull the switch lightly to the first detent and hold to close the window manually.
- Frequent activations of the anti-pinch function could disable the auto-down and auto-up function of the windows. In order to re-activate this function proceed with a reset cycle as described in the next paragraph.

**WARNING!**

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

Reset Auto-Up/Down



Should the auto-up/down feature stop working, the window probably needs to be reset.

To reset auto-up/down, pull the window switch up to close the window completely and push the window switch down to open the window completely.



Open and Close the Windows with RKE Transmitter and Ignition Off

When the ignition switch in is **OFF** position, windows can be opened or closed by pressing the buttons on the RKE transmitter.

Opening:

- press the  button and release it;
- press a second time the  button and keep it pressed until complete opening of the window.

Closing:

- press the  button and release it;
- press a second time the  button and keep it pressed until complete closure of the window.

NOTE:

If the sunroof was open, it will close completely when performing the above indicated "Closing" procedure. However, if it was closed, when performing the "Opening" procedure it will still remain closed (refer to "Power Sunroof with Sunshade" in Section 3 for further information).

Rear Window and Sunshade Lockout Button

The window lockout button on the driver's door trim panel allows to disable the window control on the rear passenger doors and the rear window sunshade control optionally available at the rear of the central console, by pressing the window lockout button (setting it in the down position).





2

To enable the controls previously described, press the window lockout button again (setting it in the up position).

Wind Buffeting

Wind buffeting can be described as the perception of pressure or a helicopter-type sound. Your vehicle may exhibit wind buffeting with the windows down, or the sunroof (for versions/markets, where provided) in 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, then adjust the sunroof opening to minimize the buffeting.

Rear Window

Rear Window Defroster

The rear window defroster button is located on the climate control panel. See "Air Conditioning Controls" in section 4.

Power Sunshade (optional)

Your vehicle can be equipped on request with a power sunshade that will reduce the amount of sunlight that will enter through the rear window.

The sunshade is rolled in and stored inside the cover behind the rear seats; when activated, it rolls out upwards. The power sunshade can be operated using the MTC System.

- Press the "Controls" soft-key.
- Within 15 seconds, press the "Rear Sunshade" soft-key to raise the power sunshade.
- Within 15 seconds, press the "Rear Sunshade" soft-key a second time to lower the sunshade.

If the sunshade is in the raised position and the gear lever is positioned in R (Reverse), the sunshade will automatically fully lower.

When the gear lever is shifted out of R (Reverse) the sunshade will automatically return to the fully raised position after approximately five seconds.



In some versions is optionally available the trigger button of the rear sunshade, positioned at the rear of the central console, which can be operated from the rear passengers.



- Press the button to raise the sunshade.
- Press the button a second time to lower the sunshade.




Open and Close the Boot Lid

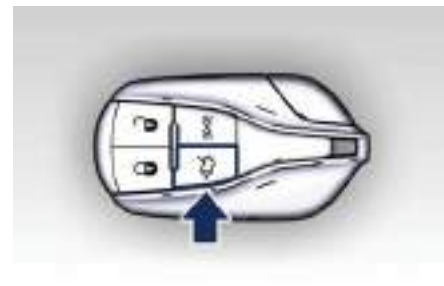
The boot lid can be released from inside the vehicle by pressing the release button on the door trim panel.

NOTE:

The shift lever must be in P (Park) before the button can operate.



The boot lid can be released from outside the vehicle by pressing the  button on the key fob with RKE transmitter twice within five seconds or by using the external release button located on the lower side of the boot ledge, between the license plate lights, when the vehicle has been unlocked using the key fob or the Passive Entry system.




To close the boot lid use the handle as indicated beside the closing device.



2



With the ignition switch in **RUN** position, the red symbol  will display on the instrument panel with the message indicating that the boot lid is open. Once the boot is closed both symbol and message will disappear from the display.



With the ignition device in the **OFF** position, the boot open symbol and message will display until closure. See "Passive Entry System" in this section for more information on boot

lid operation with the Passive Entry feature.

Boot Lid Emergency Release

If accessing the boot compartment from the rear seats, operate the emergency release lever (see the chapter "Boot Safety" in this section) in order to lower the rear seat backrest (see "Cargo Area" in section 3). If the power release control operated by pressing the button on the door trim panel fails, it may be that the battery is critical. In this case, it is possible to temporarily power the system by using the battery remote poles located inside the engine compartment (see "Auxiliary Jump-Start Procedure" in section 6). Then it is possible to normally open the boot lid by using the RKE remote control. Have the vehicle subsequently serviced by a **Maserati Service Network** center in order to solve the failure.

Boot Safety



WARNING!

Do not allow children to have access to the boot compartment. Always close the boot lid when your vehicle is unattended. Once in the boot compartment, young children may not be able to escape. If trapped in the boot, children can die from suffocation or heat stroke.

Boot Lid Emergency Release from inside the Boot Compartment

As a security measure, an internal emergency release lever is built onto the boot lid latching mechanism. In the event of a person trapped inside, the boot lid can be simply opened by pulling on the phosphorescent handle attached to the boot latching mechanism.



Open and Close the Engine Lid

Opening

Two latches must be released to open the lid.

- From inside the vehicle, pull the engine lid release lever located under the left lower side of the dashboard.



- Move to the outside and stand in front of the vehicle front grille.



- Slightly lift the engine lid and push the safety catch as indicated by the arrow. The safety catch is located in the center of the lid.



- Lift the engine lid completely: this operation is facilitated by two gas struts keeping the fully open position.



Closing

Lower the engine lid and then drop it. This should secure the inclusion of both latches.



CAUTION!

To prevent possible damage, do not slam the engine lid to close it.



WARNING!

- Be sure the engine lid is fully latched before driving your vehicle. If the lid 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.
- Gear shifting is always active and may be performed even when one or more doors, the engine or the boot lids are open. Therefore, in these conditions, take great care to avoid moving the gearshift lever and so accidentally engage gears.

Occupants Restraint Systems

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

- Three-point seat belts (also called lap shoulder belts) for the driver and all passengers.
- Advanced front air bags for driver and passenger.
- Supplemental Side Air Bag Inflatable Curtains (SABIC) for the driver and passengers seated next to a window.
- Supplemental driver side knee air bag.
- Supplemental seat-mounted side air bags.
- An energy-absorbing steering column and steering wheel.
- Front seat belts incorporate dual pretensioners that may enhance occupant protection by managing the energy created during an impact.
- Rear passengers seat belts include Automatic Locking Retractors (ALR), which lock the seat belt webbing into position by extending the belt all the way out and then adjusting the belt to the desired length to

restrain a child seat or secure a large item in a seat.

To carry children up to 12 years old or under 1.5 m (5 ft) in height, you must use adequate child restraint system that can be fixed with the three point seat belts or the ISOFIX anchorages.

NOTE:

The advanced front air bags have a multistage inflator design. This allows the air bag to have different rates of inflation based on the severity and type of collision.

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.



WARNING!

In an accident, all occupants can suffer much greater injuries not properly buckled up. You can strike the interior of your vehicle or other occupants or you can be thrown out of the vehicle. Always be sure you and others in your vehicle are buckled up properly. Buckle up even though you are an excellent driver, even on short trips.

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Someone on the road may be a poor driver and cause an accident that includes you. This can happen far away from home or on your own street.

Statistics report that seat belts save lives and reduce the seriousness of injuries in an accident. Some of the worst injuries happen when people are thrown from the vehicle. Seat belts reduce the possibility of ejection and the risk of injury caused by striking the inside of the vehicle. Everyone in a motor vehicle should be belted at all times.

Three-Point Seat Belts

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

The belt retractor is designed to lock during very sudden stops or impacts. This feature allows the shoulder part of the belt to move freely with you under normal conditions, conforming perfectly to the body of the occupants. However, in an accident, the belt will lock and reduce your risk of striking the inside of the vehicle or being thrown out.

The driver is responsible for respecting, and ensuring that all the other occupants of the car also observe the local regulations concerning the use of seat belts. Always fasten the seat belts before starting the vehicle.



WARNING!

- **It is forbidden and dangerous to ride in a cargo area. In an accident, people riding in these areas are more likely to be seriously injured or killed.**
- **Do not allow any person to ride in any area of your vehicle that is not equipped with seats and seat belts.**
- **Be sure all passengers are in a seat and using a seat belt properly.**
- **Wearing a seat belt improperly is dangerous. Seat belts are designed to go around the large bones of your body. These are the strongest parts of your body and can best absorb the impact of an accident.**
- **Wearing your belt in the wrong place could make your injuries in an accident much worse. You might suffer internal injuries, or you could even slide out of part of the belt.**

Follow these instructions to wear your seat belt safely and to keep your passengers safe, too.

- **Two people should never be belted into a single seat belt. People belted together can crash into one another in an accident, hurting one another severely. Never use a lap/shoulder belt for more than one person, no matter what their size.**
- **Remember that, in the event of an accident, the rear seat passengers not wearing the seat belts are not only subject to personal injuries but also represent a serious danger for the front seat occupants.**

Three-Point Seat Belts Use Instructions

- Enter the vehicle and close the door. Sit back and adjust the seat.
- The seat belt latch plate is above your seat on the external side.
- Hold the latch plate and pull the belt across you, make the belt go around your body and when the belt is long enough to fit, insert the latch plate into the buckle until you hear a "click."



WARNING!

- A belt that is buckled up into the wrong buckle will not protect you properly. The lap portion of the belt could ride too high on your body, possibly causing internal injuries. Always buckle up your belt into the corresponding buckle.
- A belt that is too loose will not protect you properly. In a sudden stop, you could move too far forward, increasing the possibility of injury. Wear your seat belt comfortably.
- A belt that is worn under your arm is dangerous. Your body could strike the inside surfaces of the vehicle in an accident, increasing head and neck injury. A belt worn under the arm can also cause internal injuries.

Ribs are not as strong as shoulder bones. Wear the belt over your shoulder so that your strongest bones will take the impact of a collision.

- The lower part must adhere to the pelvis rather than the abdomen of the occupant. To fasten the lap belt pull slightly up the diagonal portion of the shoulder belt. To loosen the lap belt if too tight, tilt the latch plate and pull on the lap belt. A snug belt reduces the risk of sliding under the belt in an accident.



WARNING!

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

- Do not use devices (clips, fastenings etc.) that prevent the seat belts from laying close to the occupants bodies.
- Do not carry children on a passenger's lap using only one seat belt for protecting both.
- Position the shoulder belt on your chest so that it is comfortable and not resting on your neck. The retractor will withdraw any slack in the belt.
- To release the belt, push the red button on the buckle. The belt will automatically retract to its stowed position. If necessary, guide the seat belt with your hand while it is rewinding, to prevent it from twisting.



WARNING!

A frayed or torn belt could break in an accident and leave you with no protection. Inspect the belt system periodically, checking for cuts, frays, or loose parts. Damaged parts must be replaced immediately. Do not disassemble or modify the system. Seat belt/retractor assemblies must be replaced by the Maserati

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Service Network after an accident if they have been damaged (bent retractor, torn belt, etc.).

Three-Point Seat Belt Height Adjustment



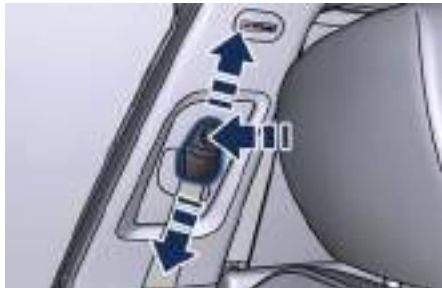
WARNING!

The seat belts height must only be adjusted when the vehicle is stationary.

The vehicle has a shoulder belt height adjuster for the driver and right front passenger seating positions.

Adjust the guide so the shoulder portion of the belt is on the shoulder and not falling off of it. The belt should be close to, but not contacting, the neck.

Push the indicated button above the shoulder belt guide to release the anchorage, then move the belt slider up or down to the position that fits you best.



When you release the anchorage try to move the belt slider up and down to make sure that it is locked in position.

Three-Point Seat Belt Untwisting Procedure

Use the following procedure to untwist a twisted three point belt.

- Position the latch plate as close as possible to the anchor point.
- At about 15 to 30 cm (0.5 to 1 ft) above the latch plate, grasp and twist the belt 180 degrees to create a fold that begins immediately above the latch plate.
- Slide the latch plate upward over the folded belt. The folded belt must enter the slot at the top of the latch plate.
- Continue to slide the latch plate up until it clears the folded belt.

Passengers Seat Belts

Rear passengers seat belts are equipped with Automatic Locking Retractors (ALR) and can be used to secure a child restraint system. For additional information, see "Installing Child Restraint Systems using the Vehicle Seat Belt equipped with ALR" under "Child Restraint Systems" in this section.

If the passenger seating position is equipped with an ALR and is being used for normal usage: only pull the belt out far enough to comfortably wrap around the occupant so as to not activate the ALR. If the ALR is activated, you will hear a ratcheting sound as the belt retracts. In this case, allow the belt to retract completely and then carefully pull out only the amount of belt necessary to comfortably wrap around the seat occupant.

Slide the latch plate into the buckle until you hear a "click".



Seat belt for rear center seat

Unlike all other seat belts, this one has two buckles and two metal latch plates; in this way it is possible to release it from the seat and fold down the long part (60) of the seatback (refer to "Cargo Area" in section 3 for further information).

To buckle the seat belt proceed as follows:

- Take place in the central seat and pull out the belt from the upper retractor in a normal manner, without twisting it;
- Insert the first latch plate located at the end of the shoulder portion of the belt inside the left buckle (this is the one without the red unlatch button on the top of the slot);



- Insert the latch plate located at the end of the lap portion of the belt inside the right buckle.
To unlatch the seat belt, release the right plate of the lap portion by clicking on the red button.

Using Seat Belt in Automatic Locking Retractor Mode (ALR)

Use the seat belt automatic locking mode anytime a child safety seat is installed in a seating position that has a belt with this feature. Children up to 12 years old or under 1.5 m (5 ft) in height, should be properly buckled up in a child restraint system.

Automatic Locking Mode Setting

- Buckle the lap and shoulder belt.
- Grasp the shoulder portion and pull downward until the entire belt is extracted.
- Allow the belt to retract. As the belt retracts, you will hear a clicking sound. This indicates the safety belt is now in the automatic locking mode.

Automatic Locking Mode Unsetting

Unbuckle the three point seat belt and allow it to retract completely to disengage the automatic locking mode and activate the vehicle emergency locking mode.



WARNING!

- **The belt and retractor assembly must be checked by the Maserati Service Network and must be replaced if the Automatic Locking Retractor (ALR) feature or any other seat belt function is not working properly.**
- **Failure to replace the belt and retractor assembly could increase the risk of injury in collisions.**



Seat Belt Pretensioners

The car is equipped with front seat belt pretensioners, that reduce slack in the belts in the event of a severe frontal impact. This guarantees the perfect adherence of the seat belts to the occupants bodies before the restraining action begins.

This car is also equipped with a second pretensioner in the kick plate area. Its activation is signalled by the shortening of the metal cable and from its protective sheath curled.



Pretensioners work for all size occupant restraint systems, including the child restraint systems.

NOTE:

To obtain the highest degree of protection from the action of the pretensioning device, wear the seat belt tight to the chest and pelvis.

Pretensioners are triggered by the Occupant Restraint Controller (ORC). A pretensioner may be used only once. Pretensioners do not require any maintenance or lubrication: any changes to its original conditions will invalidate its efficiency. If, due to unusual natural events (floods, sea storms, etc.), the device has been affected by water and mud, it must be replaced.



WARNING!

It is strictly forbidden to remove or tamper with the pretensioner components. Any intervention must be carried out only by qualified and authorized personnel. Always contact the Maserati Service Network.




CAUTION!

Operations which lead to impacts, vibrations or localized heating (over 100°C/212°F for a maximum of 6 hours

max.) in the area around the pretensioners may damage or deploy them erroneously. These devices are not affected by vibrations caused by uneven road surfaces or low obstacles. Contact the Maserati Service Network for any intervention that may be required.

Enhanced Seat Belt Use Reminder System (SBR)

The SBR system has the function to remind the driver and the passengers to fasten the seat belts.

The system monitors whether the driver and passengers seat belts are buckled or unbuckled and shows the situation on the TFT display through warning light icons  that represent the occupants position inside the vehicle.

Seat belts state visualized on the TFT display

The state of each seat belt is visualized by an icon on the upper side of the TFT display.

The position of each icon represents the position of the occupants inside the vehicle: the driver and front passenger are on the side and the rear passengers icons are in the centre.



Before Starting

For 30 seconds, these icons occupy on the display the place of the selectable items and main menu items available at the beginning of each ignition cycle. During that time the user can still access the main menu and sub-menus but cannot visualize the selected item on the upper part of the TFT display (see chapter "Instrument Cluster" in section 4).

The red icons indicate the unbuckled seat belts, the green icons the buckled ones.

A green icon related to the front seats will turn off after 30 seconds together with all green icons of the rear seats; if it is red, the icon will stay on until the seat belt is fastened.




For the rear seats, the system only indicates whether the seat belts are unfastened (red icons) or fastened (green icons) but does not indicate the presence of any occupant.





BeltAlert® Function

In addition to what above mentioned, when the driver or the front passenger is unbelted, the BeltAlert® function activates.

The feature activates with engine running. If the driver or front seat passenger is unbelted, the seat belt reminder light  and the related message will turn on in the instrument cluster and remain on until both front seat belts are fastened.





The BeltAlert® warning sequence begins after the vehicle speed is over 20 km/h (12 mph) or when the vehicle speed is between 8 km/h (5 mph) and 20 km/h (12 mph) for more than 5 seconds, by blinking the seat belt reminder light  and message and by sounding an intermittent chime. Once the sequence starts, it will continue for the entire duration or until the respective seatbelts are fastened. After the sequence completes, the seat belt reminder light  and the related message remains illuminated until the respective seat belts are fastened. The driver should instruct all other occupants to fasten their seat belts.

If a front seat belt is unbuckled while traveling at speeds greater than 8 km/h (5 mph), BeltAlert® will provide both audio and visual notification on the instrument cluster. The front passenger seat BeltAlert® is not active when the front passenger seat is not occupied. BeltAlert® may be triggered when an animal or heavy object is on the front passenger seat. It is recommended to restrain pets in the rear seat, in pet harnesses or pet carriers that are secured by seat belts, and properly stow cargo.

Seat Belts and Pregnant Women

Seat belts should also be worn by pregnant women: the risk of injury in the event of an accident is greatly reduced for them and the unborn child if they are wearing a seat belt. The best way to protect the foetus is to protect the mother. Pregnant women must position the lower part of the belt very low down so that it passes over the pelvis and under the abdomen (see figure).



When a safety belt is worn properly, it is more likely that baby will not be hurt in a crash. For pregnant women, as for anyone, the key to making safety belts effective is wearing them properly.



WARNING!

Pregnant women must scrupulously observe the above indications, as well as local regulation concerning the use of seat belts.



Supplemental Restraint System (SRS) — Air bags

This vehicle has advanced front air bags for both the driver and front passenger as a supplement to the seat belt restraint systems.

The driver's advanced front air bag is mounted in the center of the steering wheel in the area shown in the picture. On this area is embossed the word "SRS AIRBAG" for easier recognition.

The passenger's advanced front air bag is mounted in the dashboard, above the glove compartment in the area shown in the picture. On this area is embossed the word "AIRBAG" for easier recognition.

In addition, the vehicle is equipped with a supplemental driver side knee air bag mounted in the dashboard below the steering column.

NOTE:

These air bags are certified to regulations for advanced air bags.



The advanced front air bags have a multistage inflator design. This allows the air bag to have different rates of inflation based on the severity and type of collision.

This vehicle may be equipped with a driver and/or front passenger seat belt buckle sensor that detects whether the driver or front passenger seat belt is fastened. The seat belt buckle sensor may adjust the inflation rate of the advanced front air bags.

This vehicle is equipped with Supplemental Side Air Bag Inflatable Curtains (SABIC) to protect the heads of front and rear outer occupants. The SABIC air bags are located above the side windows and their covers are also labeled "AIR bag".

This vehicle is also equipped with Supplemental Seat-Mounted Side Air Bags (SAB) for driver and passenger pelvis-chest-shoulder protection during

a side impact. The Supplemental Seat-Mounted Side Air Bags are mounted on front seats and are located in the outboard side of the front seats.

NOTE:

*After any accident, the vehicle should be taken to the **Maserati Service Network** immediately.*

Air bag System Components

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

- Occupant Restraint Controller (ORC);
- Air bag warning light on the instrument cluster;
- Steering wheel and column;
- Instrument cluster;
- Driver advanced front air bag;
- Passenger advanced front air bag;
- Supplemental driver side knee air bag;
- Supplemental Seat-Mounted Side Air Bags (SAB);
- Supplemental Side Air Bag Inflatable Curtains (SABIC);
- Front and side impact sensors;
- Front seat belt pretensioners and seat belt buckle switch;



- Pyrotechnical charge to cut power from the battery; it is located on the positive battery terminal.

Advanced Front Air bags Properties

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.

The first stage inflator is triggered immediately during an impact that requires air bag deployment. This low output is used in less severe collisions. A higher energy output is used for more severe collisions.



CAUTION!

- The electronic control unit provides for the activation of the pretensioners, front air bags or side air bags (front and rear) based on different criteria, according to the type of impact. Failure of one or more systems to activate is not indicative of a system malfunction.

- The front and/or lateral air bags may inflate if the vehicle suffers a violent impact involving the underbody area, for example in case of violent impacts against steps, sidewalks, speed bumps, or when the vehicle falls into potholes, or similar.



WARNING!

- **EXTREME HAZARD!**

Do not use a rearward facing child restraint on a seat protected by an air bag in front of it! Deployment of the air bag in an accident could cause fatal injuries to the baby regardless of the severity of the collision. Therefore, always release the passenger air bag when a rearward facing child restraint is installed on the passenger front seat. The front passenger seat must also be positioned back as far as possible in order to avoid the child restraint from coming into contact with the dashboard. Immediately reactivate the passenger air bag as soon as the child restraint system has been removed.

- **Never put objects (e.g. mobile phones, toys, folders, tablets, ecc..) on the passenger side of the**

dashboard since they could interfere with correct inflation of the passenger air bag and also cause serious injury to the occupants.

- **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 are designed to open only when the air bags are inflating.**
- **Always drive with your hands on the steering wheel rim, so that the air bag can inflate freely if required. During the drive your back must be as upright as comfort allows and be against the seat back with the seat belt properly fastened.**
- **Do not apply stickers or other objects on the steering wheel, on the dashboard in the passenger's side air bag area, on roof side trims or on the seats.**
- **Do not travel with objects in your lap, in front of your chest or especially with a pipe, pencil or other objects in your mouth. In the event of a collision, the intervention of the air bag could result in serious injury.**



Passenger seat's front air bag and child restraint systems

Rearward-facing child seats must NEVER be used in the front seat of a vehicle with the front passenger air bag activated.

Deployment of the air bag in an accident could cause fatal injuries to the infant regardless of the severity of the collision.

NOTE:

ALWAYS refer to the instructions written on the label located on the passenger side sunshade and behind it.



1	BEOGRU NI FERITE GRAVO HORTAU. I suggesti lozine de, it marce na vato oppoio a grade. It marce na vato mofali ad wafi ananci la piovato a dr lag piovato anio.
GD	DEATH OR SERIOUS INJURY CAN OCCUR. NÉÉR kú a riamé d'ing dill réamé a a vát piovat by a ACTIVE ARMÓ a hie af ú, DEATH or SERIOUS INJURY to the CHILD can occur
F	RISQUE DE MORT OU DE BLESSURE GRAVE NE PMS POSSIBILITÉ LE SÍGÉ POUR SÉRIER MÓRT MÓRTEMS, DE VÓÚ L'ÁR LÁG PÍOVATO ANÓ.
II	Náhrákovang komé TÓD wór TO-MSÉRÉ VÉRÍTZÓNGÉV ár Fúgá wór.
	Kisiméni gomáto Kisiméniátoomero (Rákváto) díktio wór a'Vérítzong ár ántóméni Ántóméniáng ad áno Ántóméni véntóméni vénténi
ML	DITARAN DODOLAN ZEH OF ERNSTIGE ONVEILIGHEID KERDOCCAREN. Plus kú hndéméto mé wápténi aó do véntóméni véntóméni a vóú ártog piovato a.
E	FUJDE ÓCACOCHNA FURTE O HERIDAS GRAVES. MÓ ántog ár vénténi páté wóú ár véntóo véntóo á' áno véntóo ár véntóo véntóo ár véntóo ártog piovato ánté piovato.
PL	MOŻE GRODZÍ SZERCIALUSZ CIEŻEPIE OBRAZNIENIA. NÁ WÓDNO wéntóméni ánténi ánténiáng wóú ár vénténi vénténi ár wópténi vénténiáng ánténi piovato vénténiáng vénténi
TR	ÖZÜN VVA ADA BİRERER SMALANPÖR, ŞİŞPÖ ÇABLIK. Wóú wópténi wóú hndéméni wóú wópténi ánténi vénténi vénténi vénténi
DC	FARE FÜR DODOLAN KWESTEMER OG LÆTTELIGHET BRADER. Plus ántog ár vénténi vénténi ár wópténiáng vénténi, vénténi wópténi wópténi ár vénténi ár vénténi wóú ánténi
BT	TÄGGÅRÄDE VÖRWD DALA TÖRSDI ERHÖVASTÖRDI VÖR ÖRML. Turwópténi wópténi wópténi wópténi wópténi wópténi wópténi wópténi wópténi
BN	KUDLEMANARA TAI WAKAVEN WIMPEHEN LAMA. Ánténi wópténi wópténi wóú, ánténi wópténi ár vénténiáng vénténi ár vénténiáng
F	RISCO DE MORTE OU FERIMENTOS GRAVES. NÓ POSSIBILITÉ O FÉRA OVRÁ STÓKA NÁMO SÓKÓO CANTÓO, SO SÓKÓO ÁR VÁFÚO QUANTO O SÍGÉ DO PÍOVATO ANÓO ÁRTO.
LT	GAJ IŠTAKI MIRTIS ARBA GALTE RIZINAI SUJŪSĖTI. Hndéméni wópténi wópténi wópténi wópténi wópténi wópténi wópténi wópténi
E	KAN VARR LVVHOITANDE ELJUN LEM TEL ALVARRUGA BRADOR. Plus ántog ár vénténi vénténi ár vénténi ár wópténiáng vénténi
H	HVALSK WAGY SÓVÖR SÁLESY KÖRETEZHEZ SE. Né vénténi a vénténiáng a vénténiáng vénténi, vénténi wópténi wópténi wópténi
LY	VAR IZBAŠY HÁVY VAI KÖRÖNYÁS TRAJPHAS. Hndéméni wópténi wópténi wópténi wópténi wópténi wópténi wópténi wópténi
CZ	HRÓZ NEZBEČÍ VAŽNĚHO UBŮJENÍ NA ŽIVÁNÍ NĚBO DOXÓNCE SMRTI. Hndéméni wópténi wópténi ár wópténi wópténi wópténi wópténi
GD	LÁHD PÍEVÉ DO SHTAI KAJ HUSH PÓRÓTÉ. Hndéméni wópténi wópténi wópténi wópténi wópténi wópténi wópténi wópténi
MO	SI RÓAT PROUCI OCELS, MAJ LEZUVI GRAYS. Né wópténi wópténi ár wópténi wópténi wópténi wópténi wópténi wópténi
GR	FREPON VÁ PROKPHOTIA WAKATEE H ZORAPA TRIVNATA. Né wópténi wópténi ár vénténiáng vénténi wópténi wópténi wópténi wópténi wópténi wópténi wópténi
BB	BVA OÁCHOOT OF CVLPT H O PVOZOH HÁFÁHOBÁH. Né wópténi wópténi ár vénténiáng vénténi wópténi wópténi wópténi wópténi wópténi wópténi wópténi
SL	MOŽE PASTI SMRT ALBO VAŽNE ZNAČENJA. Hndéméni wópténi wópténi ár wópténi wópténi wópténi wópténi wópténi wópténi
RCZ	BRANBY O ŽIVŔŤENÍ NEBO O DOBRŤI ŽIVŔŤENI. Hndéméni wópténi wópténi wópténi wópténi wópténi wópténi wópténi wópténi
BR	OPAKOŠ OD ŽEŠŔŔI KI SWŦOKÓDNH ÓZJEĐA. Wópténi ár wópténi wópténi ár vénténiáng vénténi wópténi wópténi wópténi wópténi wópténi wópténi wópténi



Supplemental Air bags

Supplemental Seat-Mounted Side Air Bags (SAB)

Supplemental Seat-Mounted Side Air Bags (SAB) protect the pelvis, chest and shoulder area of the occupants in the event of a side impact of medium/high severity. The SAB is marked with "AIRBAG" label sewn into the outboard side of the front seats.



When the air bag deploys, it opens the seam between the front and side of the seat's trim cover. Each air bag deploys independently; a left side impact deploys the left air bag only and a right side impact deploys the right air bag only.

Supplemental Side Air Bag Inflatable Curtain (SABIC)

SABIC air bags are designed to protect the head of front and rear occupants in the event of a side impact, thanks to the wide cushion inflation surface. Each air bag features inflated chambers placed adjacent to the head of each outboard occupant that reduce the potential for side-impact head injuries. The SABIC deploy downward, covering both windows on the impact side.



WARNING!

- Side air bags also need room to inflate. Do not rest your head, arms or elbows on the door, windows or the area in which the window bag is located to avoid possible injury during air bag inflation. Sit upright in the center of the seat.
- Do not cover the front seatbacks with clothes or covers. 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 cause serious injury.
- Do not add roof racks that require permanent attachments (bolts or

screws) for installation on the vehicle roof. Do not drill into the roof of the vehicle for any reason.

Supplemental Driver Side Knee Air bag

The supplemental driver side knee air bag provides enhanced protection and works together with the driver advances front air bag during a frontal impact.

Air bag Deployment Sensors and Controls

Occupant Restraint Controller (ORC)

The Occupant Restraint Controller ORC determines if deployment of the front air bags (including the supplemental driver side knee air bag) and/or side air bags in a frontal or side collision is required. Based on the impact sensor's signals, a central electronic ORC deploys the advanced front air bags and the supplemental driver side knee air bag, SABIC and SAB air bags, and front seat belt pretensioners, as required, depending on the severity and type of impact.

On top of what previously described, the characteristics of the collision registered by the sensors and sent to the control unit of the ORC can also




cause a sudden cut of the power from the battery, “blowing” the pyrotechnical charge located on the positive battery terminal.



CAUTION!
After a collision that has caused the blowing up of the pyrotechnical charge, this must be replaced at a **Maserati Service Network**.

Advanced front air bags and supplemental driver side knee air bag are designed to provide additional protection by supplementing the seat belts in certain frontal collisions depending on the severity and type of collision. Advanced front air bags and supplemental driver side knee air bag are not expected to reduce the risk of injury in rear, side, or rollover collisions. The advanced front air bags will not deploy in all frontal collisions, including those that may produce substantial vehicle damage, for example, some pole collisions, truck under rides, and corner impacts. On the other hand, depending on the type and location of impact. Advanced front air bags may deploy in crashes with little vehicle front-end damage

but that produce a severe initial deceleration. The side air bags will not deploy in all side collisions. Side air bag deployment will depend on the severity and type of collision. Because air bag sensors measure vehicle deceleration over time, vehicle speed and damage merely are not good indicators of whether or not an air bag should have deployed. Seat belts are necessary for your protection in all accidents, and also are needed to help keep you in position, away from an inflating air bag. The ORC monitors the readiness of the electronic parts of the air bag system whenever the ignition switch is in the **RUN** position. If the ignition switch is in the **OFF** position, in the **ACC** position, or not active, the air bag system is not activated and the air bags will not inflate. The ORC contains a backup power supply system that may deploy the air bags even if the battery has low power or it becomes disconnected prior to deployment. When starting the vehicle, ORC turns on the air bag warning light  on the instrument cluster for approximately 4 to 8 seconds for a test.

After the test, the air bag warning light will turn off. If the ORC, during the diagnosis phase detects a malfunction that could affect the air bag system, it turns on the air bag warning light and the “Service Airbag System” message either momentarily or continuously. The diagnostics also record the nature of the malfunction. A beep will sound if the light illuminates again after initial startup.



The air bag warning light monitors the internal circuits and interconnecting wiring associated with air bag system electrical components.



- The air bags may also be deployed when the car is not moving, if the ignition device is in **RUN** position

(Continued)



(Continued) and the engine is off, if the car is hit by another moving vehicle. Therefore, even if the car is stationary, when an active passenger air bag is fitted, **DO NOT** install on the passenger seat child restraint systems to be fitted rearward facing on the front seat. Deployment of the air bag following an impact could cause fatal injuries to the child. Therefore, always deactivate the passenger air bag (see "Passenger's Air bag Deactivation (if foreseen)" in this section) when a rearward facing child restraint is installed on the passenger front seat. The front passenger seat must also be positioned back as far as possible in order to avoid the child restraint from coming into contact with the dashboard. Immediately reactivate the passenger air bag as soon as the child restraint system has been removed. Also remember that, if the ignition device is in OFF, ACC position or off, none of the safety devices (air bags or pretensioners) will be deployed in the event of collision. Non-deployment of these devices does not indicate a system malfunction.

- Ignoring the air bag warning light and message in your instrument cluster could mean you won't have the air bags to protect you in a collision. If the light does not come on as a bulb check when the ignition is first turned on, stays on after you start the engine, or if it comes on as you drive, have an authorized Maserati Service Center service the air bag system immediately.

Front Air bag Inflator Units

When the ORC detects a collision requiring the advanced front air bags, it signals the inflator units. A large quantity of nontoxic gas is generated to inflate the advanced front air bags. The steering wheel hub trim cover and the upper right side of the dashboard separate and fold out of the way as the air bags inflate to their full size. The air bags then quickly deflate while helping to restrain the driver and front passenger. The advanced front air bag gas is vented through the vent holes in the sides of the air bag. In this way, the air bags do not interfere with your control of the vehicle.

Supplemental Driver Side Knee Air Bag Inflator Unit

The supplemental driver side knee air bag unit is located in the dashboard trim beneath the steering column. When the ORC detects a collision requiring the air bag, it signals the inflator units. A large quantity of non-toxic gas is generated to inflate the supplemental driver side knee air bag. The trim cover separates and folds out of the way allowing the air bag to inflate to the full size.

Supplemental Seat-Mounted Side Air Bag (SAB) Inflator Units

The ORC unit determines if a side collision requires the side air bags to inflate, based on the severity and type of collision. Based on the severity and type of collision, the side air bag inflator on the crash side of the vehicle may be triggered, releasing a quantity of nontoxic gas.

The inflating SAB exits through the seat seam into the space between the occupant and the door. The side air bag moves at a very high speed and with such a high force that it could injure you if you are not seated properly, or if items are positioned in the area where the side air bag



inflates. This especially applies to children.

Supplemental Side Air Bag Inflatable Curtain (SABIC) Inflator Units

During collisions where the impact is confined to a particular area of the side of the vehicle, the ORC may deploy the SABIC air bags, depending on the severity and type of collision. In these events, the ORC will deploy the SABIC only on the impact side of the vehicle. A quantity of non-toxic gas is generated to inflate the side curtain air bag.

The inflating side curtain air bag pushes the head/s of the occupant/s seating in the outside seats from the edge of the headliner out of the way and covers the window. The air bag inflates with enough force to possibly injure you if you are not belted and seated properly, or if items are positioned in the area where the side curtain air bag inflates. This especially applies to children.

Front and Side Impact Sensors

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

Enhanced Accident Response System

In the event of an impact causing air bag deployment, if the communication network and the power remains intact, depending on the nature of the event, the ORC will determine whether the enhanced accident response system will have to perform the following functions:

- cut off fuel to the engine;
- turn hazard lights and interior lights on as long as the battery has power or until the ignition switch is turned off;
- unlock the doors automatically;
- disconnect the battery with a pyrotechnic charge.

Air bag Deployment Result

The advanced front air bags are designed to deflate immediately after deployment.

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

- The nylon air bag material may sometimes cause abrasions and/or skin reddening to the driver and front passenger as the air bags deploy and unfold. 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.



ENVIRONMENTAL!

Air bag inflation releases a small amount of powder. This powder is not harmful for the environment.



WARNING!

- Deployed air bags and seat belt pretensioners cannot protect you in another collision. Have the air bags, seat belt pretensioners, and the front seat belt retractor assemblies replaced by a Maserati Service Center. Also, have the Occupant Restraint Controller (ORC) system serviced as well.
- Have the air bag checked, serviced and replaced only by the Maserati Service Network.

Air bag System Maintenance



WARNING!

- Modifications to any part of the air bag system could cause it to fail when you need it; thus you could be injured if the air bag system is not there to protect you. Do not modify the components or wiring. Do not modify the front bumper, vehicle body structure, or add aftermarket side steps or running boards.
- It is dangerous to try to repair any part of the air bag system without the necessary know-how.

- 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 the Maserati Service Network 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 the Maserati Service Network.
- Only Maserati manufacturer approved seat accessories may be used. If it is necessary to modify the air bag system for persons with disabilities, contact the Maserati Service Network.
- If the speedometer, tachometer, or any engine related gauges are not working, the Occupant Restraint Controller (ORC) may also be disabled. The air bags may not be ready to inflate for your protection. Promptly check the fuse block for blown fuses. To identify the air bag fuse see "Fuse Replacement" in section 7. See the Maserati Service Network if the fuse is efficient.

Passenger's Air bag Deactivation (if foreseen)


If you have to carry a child on the front passenger seat, always deactivate the air bag on the passenger's side before installing a rearward-facing child seat.

To deactivate the air bag, open the menu "Vehicle Settings" and skip to "Passenger Airbag" (see "Instrument Cluster" in section 4).




With the switch pressed in the ▼ arrow direction select option "Off" and confirm by pressing the switch (▶).



The  symbol will display for 2 seconds with the corresponding message.



The air bag light  will illuminate on the TFT display of the instrument cluster.




The display will then return to the "Vehicle Settings" menu.



In order to activate the passenger air bag follow the same procedure by selecting "On" option on menu.



CAUTION!

Should the warning light  (passenger's air bag off) malfunction, its failure will be shown on the display. Deactivation of the front passenger air bag does not deactivate the side air bags and the seat belt.



WARNING!

We recommend you to always fit any child seats on the rear seat, as this is the safest position in the event of a collision.

When the passenger side air bag is deactivated the passenger seated on the front seat will not have the

(Continued)



(Continued)
 additional protection of the air bag in the event of a collision.
Only deactivate the air bag when you are carrying a person considered at risk, and always reactivate it at the end of transportation.

Transport of persons with disability

If it is necessary to modify the advanced air bag system of your vehicle to accommodate a person with disabilities, contact the **Maserati Service Network**.



WARNING!

- **The advanced air bag system of your vehicle is not designed to protect adults with disabilities that require deactivation of the passenger or driver air bag.**
- **If you or another occupant is an adult with a medical condition that requires air bag deactivation, please contact the Maserati Service Network.**
- **As long as the air bag is activated, persons with disabilities are advised not to travel in the front seat in order to avoid the risk of serious injuries or death, even in minor crashes.**

Child Restraint Systems

Everyone in your vehicle needs to be buckled up all the time, including babies and children. This prescription is compulsory in all EC countries according to EC Directive 2003/20/EC. Children up to 12 years old or under 1.5 m (5 ft) in height, must be properly buckled up in a child restraint system. According to crash statistics, children are safer when properly restrained in the rear seats rather than in the front.

NOTE:

All states have legislation governing how and where children should be carried in a vehicle. Please check the regulations existing in your state.



WARNING!

- **EXTREME HAZARD!**
Do not use a rearward facing child restraint on a seat protected by an air bag in front of it! Deployment of the air bag in an accident could cause fatal injuries to the baby regardless of the severity of the collision.
- **If the passenger's air bag is deactivated always check the**

warning light on the instrument panel to make sure that it has actually been deactivated.

- **Never carry children on your lap, not even newborns. No one can restrain a child in the event of an accident.**
- **Every child has to use one child restraint system; never carry two children using only one child seat.**
- **In case of accident, replace the child seat with a new one.**

The choice of the most suitable child restraint system depends on the weight of the child
 There are different types of child restraint systems. Always refer to the manual provided with child seat to ensure it is the proper type according to the travelling child.

In Europe the child restraint systems prescriptions are defined by European Standard ECE-R44.

Child restraint systems are classified into five weight groups:

- Group 0: up to 10 kg (up to 22 lb) weight;
- Group 0+: up to 13 kg (up to 29 lb) weight;
- Group 1: 9 - 18 kg (20 - 40 lb) weight;
- Group 2: 15 - 25 kg (33 - 55 lb) weight;



- Group 3: 22 - 36 kg (49 - 79 lb) weight.

All restraint devices must bear the approval data, with the control mark on a label firmly secured to the child seat which must never be removed. Over 1.5 m (5 ft) in height, from the point of view of restraint systems, children are considered as adults and wear the seat belts normally.

Group 0 and 0+ Child Restraint Systems

Babies up to 13 kg (29 lb) must be carried with rearward-facing seats, which, supporting the head, does not induce stress on the neck in the event of sharp decelerations.

These child restraint systems are fixed to the car by the three point seat belt or by the ISOFIX anchorages. Check "Installing Child Restraint Systems using the Vehicle Seat Belt equipped with ALR" or "ISOFIX Universal Child Restraint System" in this chapter for further information.

NOTE:

For Group 0/0+ Semi Universal ISOFIX child restraint system are available, always check the manual to ensure the car seat is approved for your specific vehicle.



WARNING!

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

Group 1 Child Restraint Systems

Children with weight between 9 kg to 18 kg (20 lb to 40 lb) may use forward facing seats.

These child restraint systems are fixed to the car by the three point seat belt or by the ISOFIX anchorages. Check "Installing Child Restraint Systems using the Vehicle Seat Belt equipped with ALR" or "ISOFIX Universal Child Restraint System" in this chapter for further information.

NOTE:

Regardless of the type of child restraint, always check that the seat belt is well fastened by pulling on it.





Group 2 Child Restraint Systems

Children from 15 kg to 25 kg (33 lb to 55 lb) may use the car seat belts directly. These child restraint systems are fixed to the car by the by the three point seat belt or by the ISOFIX anchorages. Refer to "Installing Child Restraint Systems using the Vehicle Seat Belt equipped with ALR" or "ISOFIX Universal Child Restraint System" in this chapter for further information.

This type of child seats is featured to position the child correctly towards the belts so that the diagonal section crosses the child's chest and not its neck, and the lower part is snug on the pelvis not the abdomen.

Always check that the seat belts do not restrain the child's throat.



Group 3 Child Restraint Systems

For children with weight between 22 kg to 36 kg (49 lb to 79 lb) devices are available to position the seat belt correctly.

- Make sure that the child is upright in the seat.
- The lap portion must adhere to the pelvis and as snug as possible.
- Check belt fit periodically. A child's squirming or slouching can move the belt out of position.
- Always check that the seat belts do not restrain the child's throat.
- Never allow a child to put the shoulder belt under an arm or behind their back.

Over 1.50 m (5 ft) in height children can wear seat belts like adults.



WARNING!

Improper installation 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 a child restraint system.

Some Tips on getting the most out of your Child Restraint

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



- Fit the child into the seat according to the child restraint manufacturer's directions.

**WARNING!**

When your child restraint system is not used, secure it in the vehicle with the seat belt or remove it from the vehicle. Do not leave it loose in the vehicle. In a sudden stop or accident, it could strike the occupants or seatbacks and cause serious personal injury.

Suitability of Passenger Seats for Universal Child Restraint System Use

According to the European Directive 2000/3/EC the suitability of each passenger seat position for the fixing of universal child restraint systems is shown in the following table:

Group	Front passenger seat	Rear seats outer	Rear seat center
0 Up to 10 kg / 22 lb	U (*)	U	X
0+ Up to 13 kg / 29 lb	U (*)	U	X
I 9–18 kg / 20–40 lb	U (*)	U	X
II 15–25 kg / 33–55 lb	U (*)	U	X
III 22–36 kg / 49–79 lb	U (*)	U	X

U = Child seat category "Universal". A child seat designed for fastening on the seat with the seat belt.

(*) = The seat should be adjusted.

X = Rear seat center isn't suitable to fix any type of Universal Child restraint system.


Summary of Children Safety Transporting Regulations:

Children up to 12 years old or under 1.50 m (5 ft) may only travel if secured, using adequate child restraint devices. We recommend to always fit any child restraint system on the rear seats outer, as this is the safest

position in the event of a collision. Do not fit any CRS on rear center seating position.



If the vehicle is equipped with active passenger air bags, do not place a rearward-facing infant seats on front seat.

When deactivating the passenger-side air bag, always check the illumination of the warning light  in the TFT display of the instrument cluster, indicating the air bag has been deactivated (see "Supplemental Restraint System (SRS) — Air bags" in this section).

Strictly follow the instructions which the manufacturer is obliged to provide with the child restraint system.

Keep the instructions in the vehicle together with the documents and this owner's manual. Do not use a child restraint system which does not comprehend any instructions for use.

Installing Child Restraint Systems using the Vehicle Seat Belt equipped with ALR

The rear passenger seat belts are equipped with an Automatic Locking Retractor (ALR) to secure child protection through a Child Restraint System (CRS). These types of seat belts are designed to keep the lap portion of the seat belt tight around the child restraint seat avoiding to use a locking clip.

The ALR will make a ratcheting noise if the entire belt is pulled out of the retractor in order to enable the belt retracting subsequently. For additional information on ALR, see "Using Seat Belt in Automatic Locking Retractor Mode (ALR)" in "Occupants Restraint Systems" in this section.

To install a Child Restraint System with ALR, pull enough of the belt out of the retractor leading it through the belt path of the protection device. Slide the latch into the buckle until it clicks.

Remove then the entire safety belt from the retractor in order to rewind. While rewinding a click will indicate the safety belt is now in Automatic Locking mode.

Exert then a traction on the exceeded lap section of the belt in order to tighten it around the child restraint seat. All seat belts will loosen over time, it is therefore necessary to check them periodically and set them properly.

ISOFIX Universal Child Restraint System

Your vehicle's side rear seats are all equipped with ISOFIX anchorages. The ISOFIX Universal system allows the child restraint systems to be fixed without using the vehicle's seat belts, instead fixing the child restraint system to the vehicle structure, using lower **A** anchorages and upper tether strap **B**.



NOTE:

Remember that when using a ISOFIX Universal child seat, you can only use approved child seats with the marking ECE R44 "ISOFIX Universal" (03 release or post) (see the example in the figure).



ISOFIX Universal child restraint systems are now available. You should never install ISOFIX Universal child seats so that two seats share a common lower anchorage.

If your child restraints are not ISOFIX Universal, install the restraints using the vehicle's seat belts.

Installing an ISOFIX Universal Child Restraint System

Follow the child restraint manufacturer's instructions provided with the child restraint system. The lower ISOFIX anchorages are "U" metal rings located on the rear seat in the area between cushion and seatback and are easily identifiable by the symbol on the outer cover.



In addition, there are tether strap anchorages behind outer rear seat. The anchorages are located in the panel between the rear seatback and the rear window and are under a plastic cover (indicated in the figure) with the anchorage symbol on it.



To fix an ISOFIX Universal Child seat for **weight group 1** proceed as follows.

- Lift the outer cover and secure the child seat to the "U" lower metal rings positioned on the rear seat.



- Fix the upper belt, also called Top Tether (provided with the child seat), to the attachments located in the rear part of the backrest.
- Lift the plastic cover fitted behind the seat where you want to install the child restraint system.



- Route the seat belt to provide the most direct path between the anchorage and the child restraint system passing it over the headrest.



Before Starting

- Attach the hook of the top tether strap (provided with the child restraint system) to the anchor.



- Tighten upper strap until you reach the tension level recommended by the restraint system manufacturer.

NOTE:

- *The other weight groups are covered by specific ISOFIX child seats, which can be used only if specifically tested for this car (see list of cars provided with the child seat).*
- *For any further details on installation and/or use, refer to the instructions provided with the child seat.*



WARNING!

- **Fit the child seat when the car is stationary. The child seat is correctly fixed to the anchorages when hearing a click. Follow the instructions for assembly, disassembly and positioning that the manufacturer must supply with the child restraint system.**
- **An incorrectly anchored tether strap could lead to increased head motion and possible injury to the child. Use only the anchor position directly behind the child seat to secure a child restraint top tether strap.**

NOTE:

- *Ensure that the tether strap does not slip into the opening between the seatbacks as you remove slack in the strap.*
- *When using an ISOFIX child restraint system, please ensure that all seat belts not being used for occupant restraints are stowed and out of reach of children.*



WARNING!

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



Suitability of Passenger Seats for ISOFIX Child Restraint System Use

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

Group	Size category of the child seat (*)	Front passenger seat	Rear seats outer	Rear seat center
0 Up to 10 kg / 22 lb	E	X	IL	X
0+ Up to 13 kg / 29 lb	E	X	IL	X
	D	X	IL	X
	C	X	IL	X
I 9–18 kg / 20–40 lb	D	X	IL	X
	C	X	IL	X
	B	X	IUF, IL	X
	B1	X	IUF, IL	X
	A	X	IUF, IL	X
II 15–25 kg / 33–55 lb		X	IL	X
III 22–36 kg / 49–79 lb		X	IL	X

(*) = The size category is shown on the label attached to the child seat.
 IL = The seat is suited for installation of an ISOFIX child seat with the “Semi Universal” approval. The Category “Semi Universal” means that the child seat with the ISOFIX system is approved for your vehicle. Observe the information in the list of vehicles which comes with the child seat.
 IUF = The seat is suitable for the installation of an ISOFIX child seat with the approval “Universal” and attachment with the TOP TETHER belt.
 X = The seat is not fitted with ISOFIX systems.



Maserati Recommended Child Restraint Systems for this Vehicle

restraint systems that can be fixed using the vehicle seat belts or through the ISOFIX anchorages.

“Lineaccessori Maserati” makes available a complete range of child

2

<p>Group: 0+ (Up to 13 kg / 29 lb)</p>			
	<p>Peg Perego Primo viaggio SL</p> <p>Approval Number with ISOFIX Basement: E24 040089 ISOFIX/Semi-Universal child seat. This seat can only be installed in rear-facing position using the related ISOFIX basement (to be purchased separately) and the ISOFIX anchorages. Maserati recommends this seat for this weight group.</p>	<p>Base Peg Perego ISOFIX K</p>	<p>Peg Perego Primo viaggio SL</p> <p>Approval Number: E24 040088 Universal child seat. This seat can only be installed in rear-facing position using the vehicle seat belts (it can also be used together with the Passeggino Maserati).</p>



Group: I
(9 – 18 kg /
20 – 40 lb)



Fair G0/1s ISOFIX



**Piattaforma Fair ISOFIX RWF tipo
"M" per G0/1s ISOFIX (*)**
or
**Piattaforma Fair ISOFIX FWF tipo
"A" per G0/1s ISOFIX (**)**



Poggiatesta rigido FAIR
(FAIR Spare Part Code: 124000)

Approval Number: E4 04443718
ISOFIX child seat.

It can be installed using the ISOFIX anchorages and the RWF type "M" ISOFIX basement for rear-facing positioning (*), or the FWF type "A" ISOFIX basement for forward-facing positioning (**). In both cases Maserati recommends the use of the FAIR headrest. Maserati recommends this seat for this weight group.




2

<p>Group: I (9 – 18 kg / 20 – 40 lb)</p>	 <p>Peg Perego Viaggio 1 Duo-Fix</p>	 <p>Base Peg Perego ISOFIX K</p>	 <p>Peg Perego Viaggio 1 Duo-Fix</p>
<p>Approval Number with ISOFIX Basement: E24 040058 ISOFIX child seat. To be installed in forward-facing position using the related basement ISOFIX K (to be purchased separately) and the ISOFIX anchorages.</p>		<p>Approval Number: E24 040057 Universal child seat. To be installed in forward-facing position using the vehicle seat belts.</p>	
<p>Group: II, III (15 – 36 kg / 33 – 79 lb)</p>	 <p>Peg Perego Viaggio 2-3 Surefix</p> <p>Universal Approval Number: E24 040070 Semi-Universal Approval Number: E24 040071 This seat can only be installed in forward-facing position using the vehicle seat belts and, optionally, the ISOFIX anchorages.</p>		

**WARNING!**

Maserati recommends to install the child seat according to the manufacturer's directions that must be supplied with it.

Important Safety Notice for Transporting Children

- Install the child seat on the rear seat as this is the safest position in case of collisions.
 - Use the seat in the rear-facing position as long as possible, if possible until the child is 3-4 years old.
 - When deactivating the front passenger air bag, make sure that the  light stays on on the TFT display to indicate the correct deactivation.
 - Keep the instructions in the vehicle together with the documents and this owner's manual. Do not use a child restraint system which does not comprehend any instructions for use.
 - Every child has to use one child restraint system; never carry two children using only one child seat.
- If using the vehicle seat belt, always check that the belt do not restrain the child's throat.
 - Firmly pull the seat belt to check that it is correctly buckled.
 - Never allow a child to seat improperly or to unbuckle the seat belt while driving.
 - Never allow a child to wear the shoulder portion of the belt under the arms or behind the back.
 - Never carry children on your lap, not even newborns. No one can restrain a child in the event of an accident.
 - In case of accident, carefully inspect the child seat, if there are any damages, replace the child seat with a new one.

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 an accident. Pets should be restrained in the rear seat in pet harnesses or pet carriers that are secured by vehicle seat belts.



ParkSense® Park Assist (optional)

The ParkSense® Park Assist (hereafter called “Park Assist”) system provides visual and audible indications of the distance between the rear and/or front bumper and a detected obstacle when backing up or moving forward, e.g. during a parking maneuver.

Refer to “Park Assist System Usage Precautions” for limitations of this system and recommendations.

Park Assist system will retain the last system state (enabled or disabled) from the last ignition cycle when the ignition is changed to the **RUN** position.

Park Assist system can be active only when the shift lever is in R (Reverse) or D (Drive).

If Park Assist is enabled at one of these shift lever positions, the system will remain active until the vehicle speed is increased to approximately 11 km/h (7 mph) or above. The system will become active again if the vehicle speed is decreased to speeds less than approximately 9 km/h (6 mph).

Park Assist Sensors

The four Park Assist sensors, located in the rear bumper, monitor the area behind the vehicle that is within the sensor's field of view. The sensors can detect obstacles up to approximately 150 cm (60 in) from the rear bumper in the horizontal direction, depending on the location, type and orientation of the obstacle.



The six Park Assist sensors, located in the front bumper, monitor the area in front of the vehicle that is within the sensor's field of view.

The sensors can detect obstacles up to a distance of approximately 120 cm (50 in) from the front bumper in the horizontal direction, depending on the location, type and orientation of the obstacle.





Park Assist Warning Messages Display

The Park Assist Warning screen will only be displayed if Sound and Display is selected from the MTC System. Refer to “MTC Settings” in section 4 for further information.

The Park Assist Warning screen is located on the instrument cluster display.

It provides visual warnings to indicate the distance between the rear bumper and/or front bumper and the detected obstacle.

The warning display will turn on indicating the system status (Ready or Off) when the vehicle is in R (Reverse) or in D (Drive) and an obstacle has been detected.



The system will indicate a detected obstacle by displaying three fixed light arcs while beeping for a one-half second. The color indicates the distance and the arc indicates the position of the detected obstacle. The amber color of the arc indicates the maximum and medium distance, while the red color indicates the minimum distance.

As the vehicle moves closer to the object the instrument cluster will display the arc moving towards the vehicle and the sound tone will change from slow, to fast, to continuous.

The vehicle is close to the obstacle when the instrument cluster displays one flashing red arc only, combined with a continuous sound.





The following chart shows the warning alert visualization when the system is detecting an obstacle.

NOTE:

Park Assist will turn off the front park assist audible alert (chime) after approximately 4 seconds when an obstacle has been detected, the vehicle is stationary, and brake pedal is applied.

Warning Alerts					
Rear distance	More than 150 cm (60 in)	150-100 cm (60-40 in)	100-60 cm (40-24 in)	60-35 cm (40-14 in)	Less than 35 cm (14 in)
Front distance	More than 120 cm (50 in)	120-100 cm (50-40 in)			
Audible Alert	None	Single (rear only)	Slow (rear only)	Fast	Continuous
Arc-Type lights number	None	3 - Solid	3 - Flash	2 - Flash	1 - Flash
Arc color	-	Amber	Amber	Amber	Red
Radio Mute	No	Yes	Yes	Yes	Yes



Enabling and Disabling Park Assist

Park Assist can be enabled and disabled using the MTC System. The available choices are: "Off", "Sound Only", or "Sound and Display". See "MTC Settings" in section 3 for further information.

When the Park Assist soft-key is pressed to disable the system, the instrument cluster will display the "Park Assist System disabled" message for approximately five seconds. See "Instrument Cluster" in section 4 for further information.

When the shift lever is moved to R (Reverse) or to D (Drive) at a speed of 11 km/h (7 mph) or below and the system is disabled, the instrument cluster will display the "Park Assist Off" message for approximately five seconds in R (Reverse) or for 5 seconds when the vehicle is in D (Drive).

Service the Park Assist System

In case of malfunction of the Park Assist system, the instrument cluster will actuate a single sound, once per ignition cycle. The instrument cluster will display a message when any of the rear or front sensor(s) are blocked

by snow, mud, or ice and the vehicle is shifted into R (Reverse) or D (Drive). The instrument cluster will display the "Service Park Assist Sensors" message when any of the rear or front sensors are damaged and require service. When the shift lever is moved to R (Reverse) or D (Drive) and the system has detected a faulted condition, the instrument cluster will display the corresponding message for the time lapse the vehicle is in R (Reverse) or D (Drive) at speeds less than 11 km/h (7 mph). Under this condition Park Assist will not operate. See "Instrument Cluster" in section 4 for further information.

If "... Wipe... Sensors" displays on the instrument cluster make sure the outer surface and the underside of the rear bumper and/or front bumper is clean and clear of snow, ice, mud, dirt or other obstruction and then cycle the ignition switch. If the message continues to appear contact the **Maserati Service Network**.



If "Service Park Assist Sensors" or "Park Assist Unavailable Service Required" display on the instrument cluster, contact the **Maserati Service Network**.

Cleaning the Park Assist Sensors

When cleaning the sensors, take special care not to scratch or damage them; therefore, do not use dry, rough or hard cloths.

The sensors must be washed with clean water, possibly adding car shampoo.

Should you need to repaint the bumper or in case of paint touch-ups in the sensor area, please contact exclusively the **Maserati Service Network**. Incorrect paint application could affect the parking sensors operation.



Park Assist System Usage Precautions

NOTE:

- Jackhammers, large trucks, and other vibrations could affect the performance of Park Assist.
- Objects such as bicycle carriers, trailer hitches, etc., must not be placed within 30 cm (12 in) from the rear bumper while driving the vehicle. Failure to do so can result in the system misinterpreting a close object as a sensor problem, causing the service Park Assist message to be displayed in the instrument cluster.



CAUTION!

- Park Assist is only a parking aid and it is unable to recognize every obstacle, including small obstacles. Parking curbs might only 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 Park Assist in order to be able to stop in time when an obstacle is detected. When backing

up, it is recommended that the driver looks over his/her shoulder when using Park Assist.



WARNING!

Drivers must be careful when backing up even when using the Park Assist system. Always check carefully behind your vehicle, look behind you, and be sure to check for pedestrians, animals, other vehicles, obstructions, and blind spots before backing up. You are responsible for safety and must continue to pay attention to your surroundings. Failure to do so can result in serious injury or death.

ParkView® Rear View Camera (optional)

Your vehicle is equipped with the ParkView® Rear View Camera that allows you to see an image on the MTC screen of the rear surroundings of your vehicle whenever the gear lever is put into R (Reverse).

The image will be displayed along with a caution note to “Check Entire Surroundings” across the top of the screen. After five seconds this note will disappear.

The ParkView® camera is located on the rear of the vehicle above the rear License plate.

When the gear lever is shifted out of R (Reverse), the rear camera mode is exited and the navigation or audio screen appears again.

When displayed, static grid lines will illustrate the width of the vehicle while a dashed center-line will indicate the center of the vehicle to assist with parking or aligning to a hitch/receiver. The static grid lines will show separate zones in different color that will help indicate the distance to the rear of the vehicle.

The following table shows the approximate distances for each zone and color:



Zone	Distance to the rear of the vehicle
Red	0 - 30 cm (0 - 12 in)
Yellow	30 cm - 1 m (12 - 40 in)
Green	1 m (40 in) or greater



WARNING!

Drivers must be careful when reversing even when using the ParkView® Rear View Camera. Always check carefully behind your vehicle, and be sure to check for pedestrians, animals, other vehicles, obstructions, or blind spots before reversing. You are responsible for the safety of your surroundings and must continue to be careful while reversing. Failure to do

so can result in serious injury or death.



- To avoid vehicle damage, ParkView® should only be used as a parking aid, as the The ParkView® camera is unable to view every obstacle or object in your drive path.
- To avoid vehicle damage, the vehicle must be driven slowly when using ParkView® to be able to stop in time when an obstacle is seen. It is recommended that the driver look frequently over his/her shoulder when using ParkView®.

NOTE:

If snow, ice, mud, or any other substance builds up on the camera lens, clean the lens, rinse with water, and dry with a soft cloth. Do not cover the lens.

ParkView® On/Off

- Turn the MTC on.
- Press and release the “Settings” soft-key.
- Press and release the “Safety & Driving Assistance” soft-key.
- Press the check box soft key next to “ParkView® Backup Camera” to enable/disable it.





Safety Tips

Transporting Passengers



WARNING!

- Do not leave children or animals inside parked vehicles in hot weather. Interior heat build-up may cause serious injury.
- It is extremely dangerous to ride in a cargo area, inside of a vehicle. In a collision, people riding in these areas are more likely to be seriously injured.
- Do not allow people to ride in any area of your vehicle that is not equipped with seats and seat belts.
- Be sure everyone in your vehicle is in a seat and using a seat belt properly.

Exhaust Gas



WARNING!

Exhaust gases can injure. They contain carbon monoxide (CO), which is colorless and odorless. Breathing it can make you unconscious and eventually poison you. To avoid

breathing (CO), follow these safety tips:

- Do not run the engine in a closed garage or in confined areas any longer than needed to move your vehicle in or out of the area.
- If it is necessary to sit in a parked vehicle with the engine running, adjust your heating or cooling controls to force outside air into the vehicle. Set the blower at high speed.
- If you are required to drive with the trunk/liftgate open, make sure that all windows are closed and the climate control blowers switch is set at high speed. DO NOT use the recirculation mode.

The best protection against carbon monoxide entry into the passenger compartment is a properly maintained engine exhaust system.

Whenever detecting a change in the sound of the exhaust system or eventual exhaust fumes inside the vehicle have the **Maserati Service Network** 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.

Vehicle Safety Checks


Seat Belts

- Inspect the belt system periodically, checking for cuts, frays, and loose parts. Damaged parts must be replaced immediately.
- Do not disassemble or modify the system.
- If the belt has been sharply pulled, for example as the result of an accident, the safety belt, together with the anchoring devices, the anchoring device mounting screws and the pretensioner (if available) must be completely replaced. Even if the belt does not present any exterior signs of wear or damage, it may have lost its restraining properties.

Air bag Warning Light

The  light should illuminate and remain lit for a few seconds bulb checking when the ignition switch is pushed in **RUN** position (see “Supplemental Restraint System (SRS) — Air bags” chapter in this section).



- If the light  does not illuminate while starting, contact the **Maserati Service Network**.
- If the light stays on, flickers, or comes on while driving, have the system checked by the **Maserati Service Network**.

Defroster

Check operation by selecting the defrost mode and place the fan system on high speed (see “Air Conditioning Controls” chapter in section 4). You should be able to feel the air directed against the windshield and front side windows. Contact **Maserati Service Network** for service if your defroster is inoperable.

Floor Mat

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



WARNING!

Pedals that cannot move freely can cause loss of vehicle control and

increase the risk of serious personal injury.

- **Always make sure that floor mats are properly attached to the proper fasteners.**
- **Never place or install floor mats or other floor coverings in the vehicle that cannot be properly secured to prevent them from moving and interfering with the pedals or the ability to control the vehicle.**
- **Never put floor mats or other floor coverings on top of already installed floor mats. Additional floor mats and other coverings will reduce the size of the pedal area and interfere with the pedals.**
- **Check mounting of mats on a regular basis. Always properly reinstall and secure floor mats that have been removed for cleaning.**
- **Always make sure that objects cannot fall into the driver footwell while the vehicle is moving. Objects can become trapped under the brake pedal and accelerator pedal causing a loss of vehicle control.**
- **Mounting posts must be properly installed, if not equipped from the factory. Failure to properly follow floor mat installation or mounting**

can cause interference with the brake pedal and accelerator pedal operation causing loss of control of the vehicle.

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 (see “Tire Inflation Pressure” chapter in section 8) for proper cold inflation pressure.

Lights and Indicator Lights

- Have someone observe the operation of exterior lights while you operate the controls (see “Lights” chapter in section 3).
- Check turn signal and high beam indicator lights on the instrument panel (see “Instrument Cluster” chapter in section 4).



Door Latches

- Check for positive closing, latching, and locking of doors and boot lid (see “Unlock Power Doors and Boot Lid with Key fob” chapter in this section).

Fluid Leaks

- Check area under vehicle after overnight parking for recent fluid leaks (oil, fuel, etc.).
- If gasoline fumes are detected or fluid leaks are suspected, contact the **Maserati Service Network**.



3 – Understanding the Vehicle

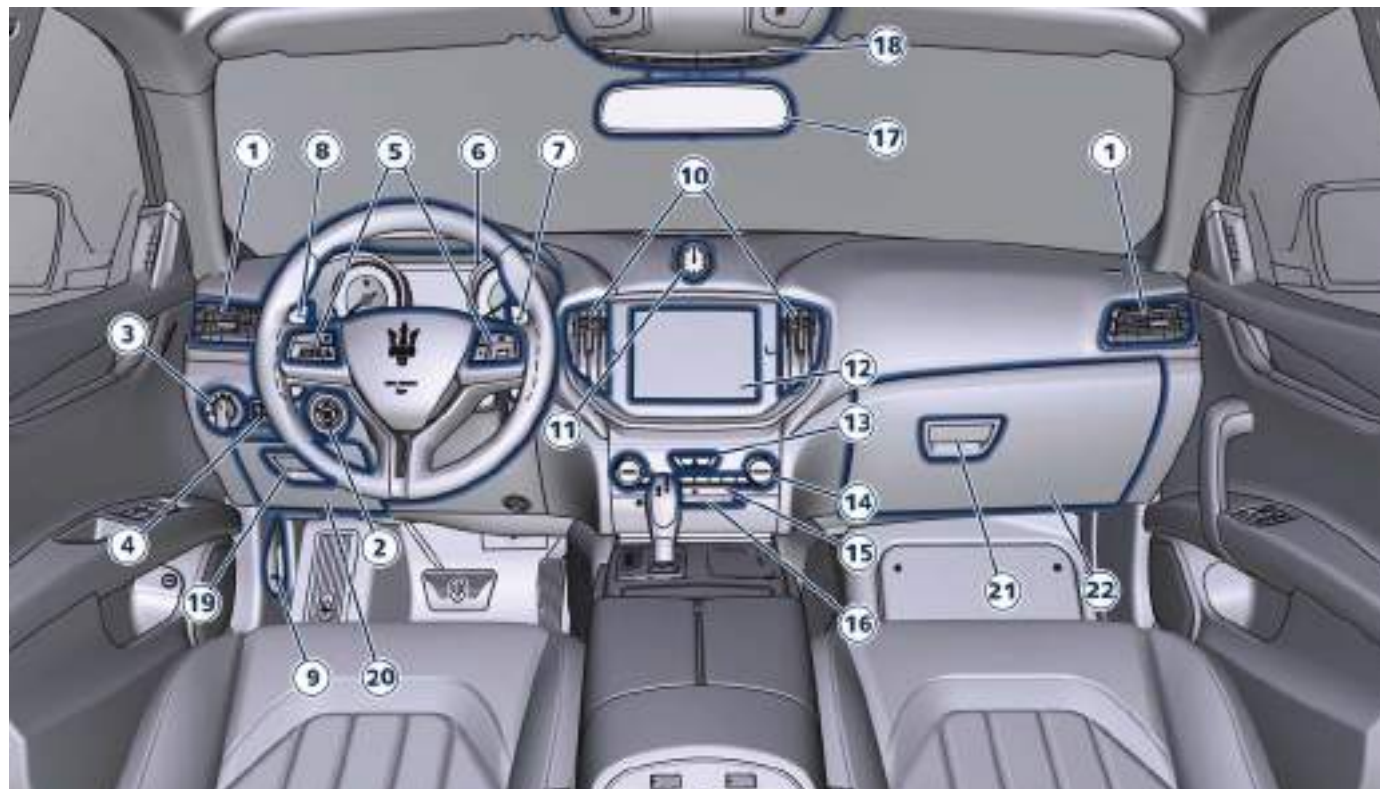
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Interior Components

Dashboard Components

3





- 1 Adjustable side air outlets.
- 2 Engine **START/STOP** button.
- 3 Headlight switch.
- 4 Light dimmer controls.
- 5 Steering wheel controls.
- 6 Instrument cluster.
- 7* Right shift paddle +.
- 8* Left shift paddle -.
- 9 Engine lid release.
- 10 Adjustable central air outlets.
- 11 Analog clock.
- 12 MTC display.
- 13 Hazard lights switch.
- 14 Climate controls.
- 15 SD Memory card slot.
- 16 CD/DVD slot.
- 17 Internal rear view mirror.
- 18 Front dome console.
- 19 Storage compartment handle.
- 20 Storage compartment.
- 21 Dashboard glove box handle.
- 22 Dashboard storage compartment.

(* If foreseen

Central Console Components



- 1 Automatic transmission shift lever.
- 2 Drive mode switches.
- 3 Electric Parking Brake lever.
- 4 Cover for compartment with AUX and USB port.
- 5 Cover for cup holder and power socket compartment.
- 6 Unlock button for central console with cup holder and power outlet.
- 7 Central console covers with armrest function.
- 8 Air outlets (adjustable).
- 9 Rear power sunshade and rear seats comfort controls panel (optional).

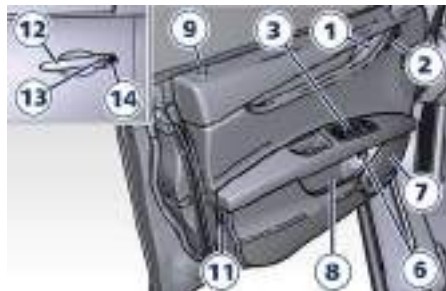
Components between the Rear Seats



- 1 Armrest cup holder covers unlock button.
- 2 Armrest compartment unlock button with power outlet.



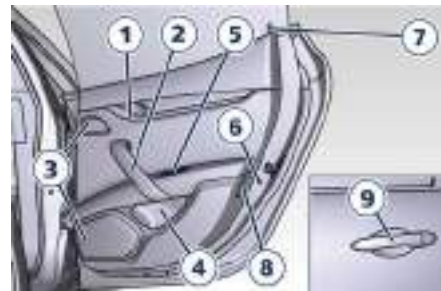
Front Doors Components



- 1 Internal door handle.
- 2 Driver's seat and rear mirrors memory switch.
- 3 Rear view mirrors, power windows and power switches door unlocks/locks switches panel.

- 4 Passenger power window switch.
- 5 Power door unlocks/locks, passenger door.
- 6 Boot lid release.
- 7 Loudspeakers.
- 8 Storage compartment.
- 9 Internal door lock/unlock knob.
- 10 Door panel grip.
- 11 Reflex reflector.
- 12 External door handle.
- 13 Door lock button with "Passive Entry" function.
- 14 Door outboard opening lock (for version/market where provided).

Rear Doors Components



- 1 Internal rear door handle.
- 2 Grip.
- 3 Loudspeaker.
- 4 Door storage pockets.
- 5 Power window and power doors lock/unlock buttons.
- 6 "Child protection" door lock system.
- 7 Inside door lock/unlock knob.
- 8 Reflex reflector.
- 9 External door handle.



Front Seats

Seats and seat belts are parts of the Occupant Restraint System of the vehicle.

Depending on the different markets and versions, the front seats may have different controls for adjustment and optional features. The configurations shown below may differ from the ones in your vehicle.

The front passenger seat is equipped with a sensor that informs the SBR system about the presence of an occupant on the seat.

The rear seats belts are equipped with a sensor that detects the seat belt fastened condition. For further information, see chapter "Occupant restraint system" in Section 2.



WARNING!

Be sure everyone in your vehicle is in a seat and using a seat belt properly.

Front Power Seats

The power seats switches are located on the outboard side of the seat cushion.

Use these two front switches to move the driver's seat up or down, forward

or rearward or to recline the seat cushion and the seatback. Use the rear switch to adjust the lumbar support.



Seat Forward/Rearward Adjustment

The seat can be adjusted both forward and rearward.

Push the seat switch 1 forward or rearward, the seat will move in the direction of the switch.

Release the switch 1 when the desired position is reached.

Seat Up/Down Adjustment

The height of the seat can be adjusted up- or downward.

Grip switch 1 from the back side and push it down or up.

Release the switch 1 when the desired position is reached.



CAUTION!

If the seat's movement does not work, make sure that the corresponding fuse is not tripped (see chapter "Fuse Replacement" in section 7).

To manually lift or lower the head restraints press the indicated lateral button.





3



WARNING!

Remember that the headrests must be positioned so that their upper edge is aligned with the top of the occupant's head. In fact, only in this position can they provide the support required in the event of a bumper-to-tail collision.

Seat Tilt Control (Up/Down)

The angle of the seat cushion can be adjusted in four directions. Pull upward or push the front of the switch 1, to move the front cushion seat in the direction of the switch. Release the switch 1 when the desired position is reached.

Seat Back Tilt Control

The angle of the seatback can be adjusted forward or rearward. Push the seatback switch 2 forward or rearward, the upper seatback will move in the direction of the switch. Release the switch 2 when the desired position is reached.

Power Lumbar

Push the switch 3 forward or rearward to increase or decrease the lumbar support.

Push the switch 3 upward or downward to raise or lower the lumbar support.



WARNING!

- Never adjust the seat while driving. You could lose control of the vehicle. Moving the seat could distract you or make you press a pedal unintentionally.
- Seats should be adjusted before fastening the seat belts and while the vehicle is parked.
- Do not ride with the seatback reclined so that the shoulder belt is no longer resting against your chest. In a collision you could slide under the seat belt, which could result in serious injury or death.



CAUTION!

Do not place any object under a power seat or obstruct its movement as it may cause damage to the seat controls. Seat movement may become limited if there is an obstruction in the way.

Front Power/Manual Seats

On these seats, the power switch 1 and the manual reclining lever 2 are located on the outboard side of the seat cushion.

Use the power switch 1 to move the driver's seat up or down, forward or rearward or to recline the seat cushion.



CAUTION!

If the seat's movement does not work, make sure that the corresponding fuse is not tripped (see chapter "Fuse Replacement" in section 7).

Use the manual lever 2 to recline the seatback.





Seat Forward/Rearward Adjustment

The seat can be adjusted both forward and rearward.

Push the seat switch **1** forward or rearward, the seat will move in the direction of the switch.

Release the switch **1** when the desired position is reached.

On some versions, the passenger seat can be adjusted front- and rearward manually.

In order to adjust the seat forward or rearward, push the lever **3** located below the seat cushion and manually move the seat forward or rearward. Release the lever once you have reached the desired position.



Seat Up/Down Adjustment

The height of the seat can be adjusted up- or downward.

Grip switch **1** from the back side and push it down or up.

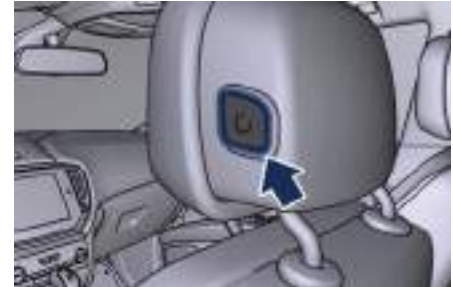
Release the switch **1** when the desired position is reached.

To manually lift or lower the head restraints press the indicated lateral button.



WARNING!

Remember that the headrests must be positioned so that their upper edge is aligned with the top of the occupant's head. In fact, only in this position can they provide the support required in the event of a bumper-to-tail collision.



Seat Tilt Control (Up/Down)

The angle of the seat cushion can be adjusted in four directions.

Pull upward or push the front of the switch **1**, to move the front cushion seat in the direction of the switch.

Release the switch **1** when the desired position is reached.

Seat Back Manual Control

The angle of the seatback can be adjusted forward or rearward.

To recline, lean forward slightly, lift the lever **2**, then push back to the desired position and release the lever.

Lean forward and lift the lever **2** to return the seatback to its normal position. Using body pressure, lean forward and rearward on the seat to be sure the seatback has latched.



Power Lumbar (optional)

Push the switch **4** forward or rearward to increase or decrease the lumbar support.

Push the switch **4** upward or downward to raise or lower the lumbar support.



WARNING!

- Never adjust the seat while driving. You could lose control of the vehicle. Moving the seat could distract you or make you press a pedal unintentionally.
- Seats should be adjusted before fastening the seat belts and while the vehicle is parked.
- Do not ride with the seatback reclined so that the shoulder belt is no longer resting against your chest.

In a collision you could slide under the seat belt, which could result in serious injury or death.



CAUTION!

Do not place any object under a power seat or obstruct its movement as it may cause damage to the seat controls. Seat movement may become limited if there is an obstruction in the way.

Front Heated Seats (optional)

The front seats can be equipped with heaters in both seat cushions and seatbacks. The front seats heating is operated by the MTC System.



WARNING!

- Persons with low skin sensitivity because of advanced age, chronic illness, diabetes, spinal cord injury, medication, alcohol use, exhaustion or other physical conditions must be careful 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

that insulates against heat, such as a blanket or cushion. This may cause the seat heater to overheat. Sitting in a seat that has been overheated could cause serious burns due to the increased surface temperature of the seat.

Front Seats Heat Function

NOTE:

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

- Touch the "Controls" soft-key on the lower part of the MTC display.
- Within 15 seconds, touch the "Driver" or "Passenger" seat soft-key once to select HI-level heating.
- Within 15 seconds, touch the same soft-key a second time to select LO-level heating.
- Within 15 seconds, touch the same soft-key a third time to shut the heating elements OFF.

**NOTE:**

Once a heat setting is selected, heat will be felt within two to five minutes.

When the HI-level setting is selected, the heater will provide a boosted heat level during the first four minutes of operation.

Then, the heat output will drop to the normal HI-level.

If the HI-level setting is selected, the system will automatically switch to

LO-level after a maximum of 60 minutes of continuous operation. At that time, the display will indicate the change from HI to LO. The LO-level setting will turn OFF automatically after a maximum of approximately 45 minutes.

Front Ventilated Seats (optional)

NOTE:

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

To enhance occupants comfort by high external temperatures, both the driver and passenger seats, on request, can be ventilated.

Small fans are located in the seat cushion and seatback, they draw air from the seat surface through fine perforations in the seat cover to help keep the driver and front passenger cooler when the temperature is high. The ventilated seats is operated with the MTC System.

Front Ventilated Seats Function

- Touch the "Controls" soft-key on the lower part of the MTC display.
- Within 15 seconds, touch the "Driver" or "Passenger" seat


soft-key once to select HI-level ventilation.

- Within 15 seconds, touch the same soft-key a second time to select LO-level ventilation.
- Within 15 seconds, touch the same soft-key a third time to shut off the seat ventilation.





Driver Memory Seat (for versions/markets, where provided)

This feature allows the driver to store up to two different memory profiles for easy recall through a memory switch. Each memory profile contains desired position settings for the driver seat, external side mirrors, adjustable pedals (for versions/markets, where provided), and power tilt and telescopic steering column and a set of programmed radio stations. Your key fob RKE transmitter can also be set to recall the same positions by pressing the  button.

NOTE:

- Only one key fob RKE transmitter can be linked to each of the memory positions.
- Passive Entry door handles cannot be linked to the memory function. Use either the memory recall switch or the key fob RKE transmitter (if linked to the memory feature) to recall memory positions 1 or 2.

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

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



Memory Profiles Setting

NOTE:

Saving a new memory profile will erase an existing profile from memory.

To create a new memory profile, perform the following:


- Cycle the ignition switch to the **RUN** position.
- Adjust all memory profile settings to desired preferences (i.e., seat, side mirrors, adjustable pedals, power tilt and telescopic steering column, and radio station presets).

- Press and release the "S" button on the memory switch.
- Within five seconds, press and release the MEMORY button "1" or "2". The instrument cluster display will show which memory position has been set.

NOTE:

Memory profiles can be set without the vehicle in P (Park), but the vehicle must be in P (Park) to recall a memory profile.


Pairing Remote Keyless Entry Transmitter to Seats Memory

Your key fob with RKE transmitters can be programmed to recall one of two programmed memory profiles by pressing the  button on the RKE transmitter.


To program your key fobs RKE transmitter, perform the following actions:

1. Cycle the ignition switch to the **OFF** position.
2. Select the desired memory profile that you wish to activate from the transmitter by pressing the button "1" or "2".



3. Once the profile has been recalled, press and release the "S" button on the memory switch, then press and release button "1" or "2" accordingly. "Memory Profile Set" 1 or 2 will display in the instrument cluster.
4. Press and release the  button on key fob RKE transmitter within 10 seconds.


NOTE:

Your key fobs RKE transmitter can be unlinked to your memory settings by pressing the "S" button followed by the  button on the key fob RKE transmitter in Step 4 above.

Memory Position Recall

NOTE:

The vehicle must be in P (Park) to recall memory positions. If a recall is attempted when the vehicle is not in P (Park), a message will display in the instrument cluster.

To recall the memory settings for driver, press MEMORY button number "1" or "2" on the driver's door trim panel or the  button on the RKE

transmitter linked to memory position 1 or 2.

A recall can be cancelled by pressing any of the MEMORY buttons ("S", "1", or "2") during a recall. When a recall is cancelled, the driver seat, external side mirrors, adjustable pedals, and power tilt and telescopic steering column stop moving.

A delay of at least one second will occur before selecting a new recall.

Easy ENTRY/EXIT Seat (optional only for Driver Memory Seat)

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

The distance the driver seat moves depends on where you have the driver seat positioned when you place the ignition switch to the OFF position.

- When you cycle the ignition to the OFF position the driver seat:
 - will move about 60 mm (2.36 in) rearward if the driver seat position is greater than or equal to ca. 68 mm (2.67 in) forward of the rear stop;
 - will move to a position of ca. 8 mm (0.31 in) forward of the rear stop if the driver seat position is between

23 mm (0.9 in) and 68 mm (2.67 in) forward of the rear stop.

- The seat will return to its previously set position when you place the ignition into the ACC or RUN position.
- The Easy Entry/Easy Exit feature is disabled when the driver seat position is less than 23 mm (0.9 in) forward of the rear stop. In this position, there would be no benefit to the driver by moving the seat for Easy Exit or Easy Entry.

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

NOTE:

The Easy Entry/Easy Exit feature can be enabled or disabled using the MTC System, refer to "MTC Settings" in section 4 for further information.



Rear Seats

Rear seats can fit three passengers. Seats and seat belts are parts of the occupant restraint system of the vehicle.



Be sure everyone in your vehicle is in a seat and using a seat belt properly.

NOTE:

See chapter "Occupants Restraint Systems" in section 2 for seat belt positioning.

Rear Head Restraints

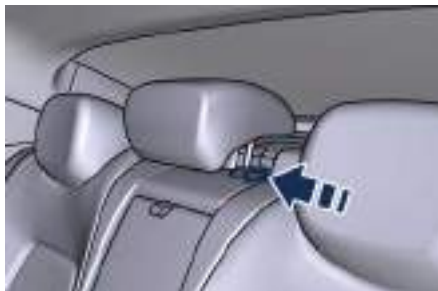
Side seats are endowed with fixed head restraints. The center seat head restraint has two positions, up or down. When the center seat is being occupied the head restraint should be in the raised position. When there are no occupants in the center seat the head restraint can be lowered in order to provide the driver for maximum visibility.

- To raise the head restraint, pull upward on the head restraint. For

easier operation, lower the rear armrest as described in the following paragraph.



- To lower the head restraint, press the push button, located at the foot of the head restraint on the left side, and push downward on the head restraint.



NOTE:

To remove the head restraint of central seat see "Cargo Area" in this section.

Rear Armrest

The rear armrest is mobile and can be folded up into the seat back.

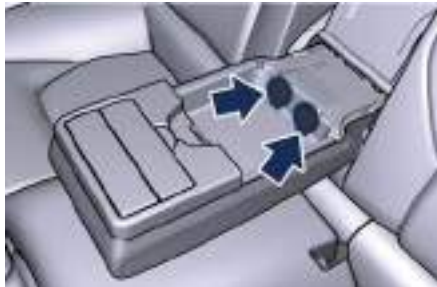
- To lower it, pull the stripe as indicated.



- To close it, pull it upwards then push it back into its seat. On the front part of the armrest there are two cup holders (see "Interior Features" in this section). Inside the armrest there is an illuminated glove or document compartment. Pressing the opening button and lifting the cover of the armrest box you accede a 12 V power outlet. In this compartment may be



present on request an USB charging port.



- To close the compartment, lower the cover.



CAUTION!

The armrest is not designed to support the weight of an adult or a child: please use it only to store beverages, small objects or documents.

Rear Side Heated Seats (optional)

The side rear seats can be equipped with heaters both in seat cushion and seatback.

Rear seats heating can be adjusted by operating control devices on the instrument panel located on the rear side of the central console. The panel also includes commands for the rear window sunshade (see "Rear Windows" in section 2).



WARNING!

- Persons with low skin sensitivity because of advanced age, chronic illness, diabetes, spinal cord injury, medication, alcohol use, exhaustion or other physical conditions must be careful 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 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.

The buttons on the instrument panel with the resistance icon activate the heating on one or both seats.

- Push the button once to select the highest heating level. The upper LED located on the side of the icon will illuminate.
- Push the same button a second time to select the lowest level. The lower LED will illuminate.
- Push the same button a third time to shut the heating elements OFF. The LED will turn off.



NOTE:

- Once a heat setting is selected, heat will be felt within two to five minutes.
- The engine must be running for the heated seats to operate.




By selecting the HI-level setting, the heater will provide a boosted heat level during the first four minutes of operation. Then, the heat output will drop to the normal HI-level. By setting the HI-level, the system will automatically switch to LO-level after a maximum of 60 minutes of continuous operation. The LO-level setting will turn off automatically after a maximum of approximately 45 minutes.


Steering Wheel Adjustment

This feature allows you to power tilt the steering column upward or downward or to lengthen or shorten it in order to adjust the steering wheel to an optimized position.

Tilt/Telescoping Steering Wheel

The tilt/telescoping control handle is located below the steering wheel at the end of the steering column.

To unlock  the steering column, pull the control handle outward. To tilt the steering column, move the steering wheel upward or downward as desired. To lengthen or shorten the steering column, pull the steering wheel outward or push it inward as desired.

To lock  the steering column in position, push the control handle inward until fully engaged.



Power Tilt/Telescoping Steering Wheel (for versions/markets, where provided)

The power tilt/telescoping steering column/wheel switch is located on the lower left side of the steering column. To adjust the tilt of the steering column/wheel, move the switch up or down as desired.



To lengthen or shorten the steering column/wheel, pull the switch toward



you or push the switch away from you as desired.

NOTE:

You can use your key fob with RKE transmitter or the memory buttons on the driver's door trim panel to return the tilt/telescopic steering column/wheel to programmed positions. See "Driver Memory Seat (for versions/markets, where provided)" in section 3.



WARNING!

Do not adjust the steering column/wheel while driving.

Adjusting the steering column/wheel while driving could cause the driver to lose control of the vehicle. Be sure the steering column/wheel is adjusted before driving your vehicle. Failure to follow this warning may result in serious injury or death.

Heated Steering Wheel (optional)

NOTE:

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

The steering wheel contains a heating element inside the rim that helps warm driver's hands by cold weather. The heated steering wheel has only one temperature setting. Once turned on, this function will operate for approximately 58 to 70 minutes before automatically shutting off. The heated steering wheel can shut off early or may not turn on when the steering wheel is already warm. The heated steering wheel can be turned on and off using the MTC System.

- Touch the "Controls" soft-key located on the lower part of the MTC display.



- Within 15 seconds, touch the "Heated wheel" soft-key to turn on the function.

- Within 15 seconds, touch the "Heated wheel" soft-key a second time to turn it off.



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.**



Adjustable Pedals (for versions/markets, where provided)

The adjustable pedals system is designed to allow greater range of pedals positions enabling driver comfort with regard to the steering wheel tilt and the seat position. This feature allows the brake and accelerator pedals to move toward or away from the driver's feet. The switch is located on the front side of the driver's seat cushion side shield.



Press the switch downward to move the pedals forward (toward the front of the vehicle).
Lift the switch rearward to move the pedals rearward (toward the driver).



WARNING!

Do not adjust the pedals position while the vehicle is moving. You could lose control and have an accident. Always adjust the pedals position while the vehicle is parked.

The following messages will be displayed if the driver is attempting to adjust the pedals when the system is locked out:

- "Adjustable Pedals Unavailable While in Reverse";
- or "Adjustable Pedals Unavailable While Cruise Engaged".

NOTE:

For vehicles equipped with driver memory seat, use your key fob (RKE) transmitter or the memory buttons on the driver's door trim panel to return the adjustable pedals to programmed positions. See "Driver Memory Seat (for versions/markets, where provided)" in section 3 for further information.



CAUTION!

Do not place any object under the adjustable pedals or obstruct its movement as it may cause damage to the pedal controls. Pedal movement may become limited if there is an obstruction in the adjustable pedal's path.



Rear-View Mirrors

External Mirrors

External mirrors can be adjusted electrically and are equipped with anti-mist resistors operated by the air conditioning system (see “Air Conditioning Controls” in section 4). The mirrors can be closed electrically and will yield in both directions in case of a collision.

The side mirrors are electrochromic (for versions/markets, where provided), which means, they automatically operate an anti-dazzle function by gradually shading as the light hitting the mirrors increases. The external of the rear-view mirror support is equipped with LEDs, lighting up when the turn signals and vehicle entry/exit lights are activated.

NOTE:

*The mirrors can be adjusted electrically only with the ignition key in **RUN** position.*

Mirrors Positioning

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

The power mirror controls consist of mirror select buttons and a four-way mirror control switch.

To adjust a rear view mirror, press either the L (left) or R (right) button to select the mirror that you want to adjust. The spin button will illuminate indicating the rear view mirror is activated and can be adjusted. Press the mirror control switch corresponding to the arrow indicating the direction of the desired movement.

For optimal vision orientate the outside(s) mirror(s) in order to frame the adjacent lane adjacent and get a partial overlap with the visible image on the inside rear-view mirror. Power mirror preselected positions can be reset by operating the optional Memory Driver Seat device. Check “Driver Memory Seat” in section 3 for further information.



WARNING!

Vehicles and other objects seen in the external side convex mirror will look smaller and farther away than they really are. Relying too much on your passenger side convex mirror could cause you to collide with another vehicle or object. Use the inside mirror

to judge the size or distance of a vehicle seen in the external side convex mirror.

Tilt Mirrors in Reverse

This feature provides automatic external rear-view mirrors positioning, allowing the driver to view the ground area behind the front doors. The external mirrors will move slightly downward from the current position when the shift lever is shifted into reverse. The external mirrors will then return to the original position when the lever is shifted out of the reverse position. Each memory set of the driver's seat (see “Driver Memory Seat (for versions/markets, where provided)” chapter in section 3) corresponds to a mirrors tilt position in reverse.

NOTE:

The mirrors tilt in reverse can be turned on and off using the MTC System, refer to “MTC Settings” in section 4.

Folding Mirrors

The switch for the power folding mirrors is located between the power mirror switches.



Press the switch once and the mirrors will fold in; press the switch a second time to reset the mirrors to the standard position.

If the mirrors are in the folded position, and vehicle speed is equal or greater than 16 km/h (10 mph), they will automatically unfold.



CAUTION!

Never retract or open the mirrors manually: it could damage the power mechanism.



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.

Internal Rearview Mirror

The internal rearview mirror can be manually adjusted, and is endowed with an accident-prevention release system operating in the event of a collision.

Internal rearview mirror can be electrochromic (for versions/markets, where provided). This function is automatically deactivated in reverse to ensure maximum visibility of obstacles.







Lights

Light Switch

The headlight switch located on the left side of the dashboard is used for the parking lights, headlights and fog lights operations.


The regulation devices beside the switch may have a different configuration according to type of headlights installed. It can adjust respectively:

- the left one: brightness of the instrument panel lights, doors controls rear lighting, interior and night lighting (see “Interior Lights” in this chapter).
- the right one: headlights leveling (see “Headlights Leveling” in this chapter) or brightness tuning of night lighting (see “interior Lights” in this chapter).

Rotate the headlight switch clockwise to the first  or to the second trigger  the instrument cluster will display the related telltale.



NOTE:

- In certain European countries, the position or parking lights will only operate with the ignition switch in **OFF** position, or with headlights on. Regardless of ignition switch position, the position/parking lights will remain on as long as the lights switch is in this first detent .

- If the headlights or position/parking lights are on after the ignition is placed in **OFF** position, a buzzer will alert the driver while opening the driver's door.



Lighting Up External Lights according to the Position of the Headlights Switch, Ignition Device and Transmission and according to the Engine Status


Ignition device position	Engine status	Transmission position	Lights switch position			
			0			AUTO (with dark condition)
OFF	–	–	All lights off	Position/parking lights (1), side marker and license plate lights on	Low beams, position/parking (1), side marker and license plate lights on	
ACC	Off	P (Park)	All lights off	Position/parking lights (1), side marker and license plate lights on (2)	Low beams, position/parking (1), side marker and license plate lights on (2)	
RUN	Off	P (Park)	All lights off	All lights off	Low beams, position/parking (1), side marker and license plate lights on (2)	
RUN	On	P (Park)	All lights off	All lights off	Low beams, position/parking (1), side marker and license plate lights on	
RUN	On	Any position other than P (Park)	DRL (1) on	DRL (1) on	Low beams, position/parking (1), side marker and license plate lights on	

(1) The lighting system uses the same LED with two different levels of intensity: high for DRL and low for position/parking lights.
 (2) The lights are powered up for 30 minutes to preserve the charge of the battery.

3



Lighting Up Internal Lights according to the Headlights Switch and Ignition Device Position

- When lights switch is in  mode and ignition switch in **RUN**, besides the outdoor lights, the rear Dome lights LED, the front Dome light (if enabled), the control backlighting, the lighting of the instrument panel and front seats night lighting will light up.
- Besides the external lights, the same interior lights indicated in the previous step based on the DAY or NIGHT mode established by the Ambient light detecting sensor will light up. In DAY mode, the controls backlighting will have 100% intensity. In NIGHT mode, the intensity can be adjusted by the right regulator (see "Interior Lights" of this chapter).
- When the light switch position is "0" and the ignition device is in **RUN** mode, the control back light and night lighting will turn off.

NOTE:

During DAY mode, the control switches are not backlit except the windows and steering switches.

Automatic Headlights

This system automatically turns the headlights on or off according to ambient light intensity detected by the twilight sensor. To turn the system on, rotate the lights switch clockwise to "AUTO" position.

When the automatic system is activated, the headlight time delay feature is activated as well. This means the headlights will stay on for up to 90 seconds after you place the ignition into **OFF** position.

To turn the automatic system off, move the lights switch out of "AUTO" position.

NOTE:

The engine must be running before the headlights turn on in automatic mode.



WARNING!

- **The responsibility for turning on the lights, depending on the daylight and regulations in force in the country of use, always lies with the driver. The automatic system for switching on and off the external lights is to be considered as an aid for the driver. If necessary, switch**

the lights on and off manually.

- **In case of fog during the day, the position lights and low beams will turn on automatically. The driver must always be ready to turn the lights on manually, including the rear fog lights.**

Headlights On with Wipers

When this feature is active, the headlights will turn on in "Adverse Weather" mode approximately 120 seconds after activation of the wipers, if the lights switch is placed in the "AUTO" position. The headlights will additionally turn off by deactivation of the wipers if previously activated with this function.

NOTE:

The Headlights ignition feature with wipers may be turned on and off using the MTC System, refer to "MTC Settings" in section 4.

Headlights Time Delay

This safety feature provides headlight illumination for up to 90 seconds (programmable) when leaving your vehicle in an unlit area. To activate the delay feature, place the ignition switch in the **OFF** or **ACC** position



while the headlights are still on. Then turn off the headlights within 45 seconds.

The delay interval begins when the lights switch is turned off (position "0"). If you turn the headlights or parking lights on, or place the ignition in **RUN**, the system will cancel the delay.

If you turn the headlights off ("0" position) before the ignition, they will turn off in the normal mode.

NOTE:

- To activate this feature the lights must be turned off ("0" position) within 45 seconds of placing the ignition in the **OFF** or **ACC** position.
- The headlight delay time is programmable using the MTC System, see "MTC Settings" in section 4.

SmartBeam™ System (for versions/markets, where provided)

The SmartBeam™ system provides increased forward lighting at night by automating high beam control ("Auto Dim High Beams" function) through the use of a digital camera fitted behind the rearview mirror.

This camera detects vehicle specific light and automatically switches from high beams to low beams until the approaching vehicle or the front vehicle is out of view.

NOTE:

- *This function can be turned on or off using the MTC System, refer to "MTC Settings" in section 4 for further information.*
- *If the headlights and rear parking lights of the vehicle in the visual field of the camera should be broken, covered in mud or obstructed, main-beam headlights will remain lit for longer, up to a closer position of the oncoming or foregoing vehicle. Dirt, impurities and other obstructions on the windshield or camera lens can cause the system to function improperly.*
- *By replacing the windshield or SmartBeam™ mirror, the SmartBeam™ mirror must be re-aimed to ensure proper performance. Please contact exclusively the **Maserati Service Network** for replacement.*

Daytime Running Lights (DRL)

The lighting system uses the same high or low intensity Headlamps LED, respectively, for the DRL lights and position or parking lights. DRL lights will turn on when the engine is running and the shift lever is moved out of the P (Park) position. If a turn signal is activated, the DRL lamp on the same side of the vehicle will turn off for the duration of the turn signal activation. Once the turn signal is deactivated, the DRL lamp will light up again.

NOTE:

Depending on your Country's regulations, DRL lights may be turned on and off.

Adaptive Bi-Xenon Headlights

The gas-discharge (xenon) headlights operate with an electric arc saturated with Xenon gas under pressure, instead of the incandescent filament. The light produced is assuredly higher compared to traditional light bulbs, in terms of quality (brighter light) as well as of the span and positioning of the illuminated area.

The headlight system combines the light beam with the steering angle to



assure better visibility of the road surface when driving in a curve, steering or in the event of road deviations.

NOTE:

- Each time the adaptive headlight system is turned on, the headlights will perform a self-regulation cycle.
- The adaptive headlight system is active only when the vehicle is moving forward.
- This function can be turned on or off using the MTC System, refer to “MTC Settings” in section 4 for further information.

AFS Adaptive Feature (for versions/markets, where provided)

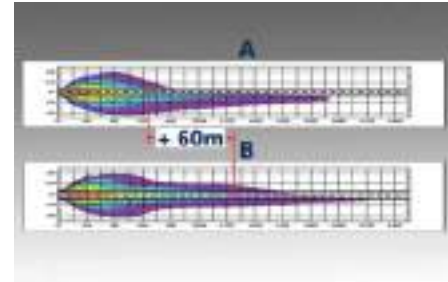
These projectors combines the “xeno” Technology to the AFS (Advanced Frontlighting System) adaptive feature, using a camera located in front of the rearview. The System is able to process signals of the camera and other onboard systems and subsequently start up four strategic steps in the following situations:

- “motorway beam”;
- “country beam”;
- “town beam”;
- “adverse weather beam”;

- “tourist beam”. In this case this function must be activated via the MTC’s menu (refer to “MTC Settings” in section 4).

The advantages offered by the AFS system are perceived especially in case of bad weather, fog and/or insufficient road indications providing broader illumination of the side zones, which are normally left in the dark, and for motorway driving (see comparison rendered below).

This surely increases driving safety as it offers less eye strain and increased orientation for the driver and better detection of other persons on the road sides (pedestrians, bicycle riders and motorcycle drivers). Furthermore, the projectors are suitable to prevent glare, providing optimal lighting when driving the car in a country with RHD (Right Hand Drive). The table shows the light values (lux) and the light flux (lumen) of AFS headlights.



AFS headlight system combines the light beam with the steering angle and the vehicle speed to assure better visibility of the road surface when driving in a curve, steering or in the event of road deviations.



WARNING!

If xenon headlamp replacement is necessary, contact the Maserati Service Network only: DANGER - RISK OF ELECTRICAL SHOCK.



	Lighting	Light flux
(A) Low beam	75 lux	1200 lm
High beam	130 lux	1600 lm
(B) Motorway	120 lux (Driver Side) 140 lux (Passenger Side)	1200 lm



Fog Lights

The AFS headlights, in the "Adverse Weather" mode also operate as fog system device (see "AFS Adaptive Headlights" in this chapter).

The rear fog lights switch is built into the lights switch.

To activate the rear fog lights, turn the headlight switch to the low beam light  or "AUTO" position. Press the lights switch  to turn on the rear fog lights.




Pressing again the lights switch will deactivate the rear fog lights.

Turning the lights switch off (position "0") will also deactivate the rear fog lights.

A dedicated telltale in the instrument cluster illuminates when the rear fog lights are turned on.



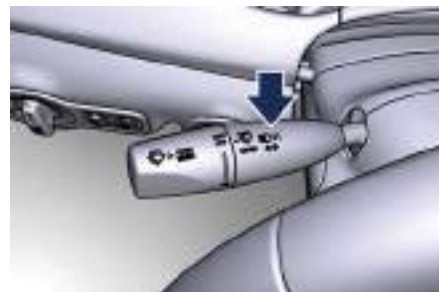
NOTE:

- The rear fog lights will NOT activate automatically when turning on the low beam  or "AUTO" headlights if previously deactivated by turning the lights switch off. The rear fog lights will only turn on by operating the switch as previously described.
- The AFS headlights, in the "Adverse Weather" mode also operate as fog system device (see "AFS Adaptive Feature (for versions/markets, where provided)" in this chapter).

Multifunction Lever

The multifunction lever controls the operation of the turn signals, headlight beam selection and overtaking lights.

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



Turn Signals

Move the multifunction lever all the way up or down until the stop trigger; the left or right arrow on respectively the speedometer and tachometer instrument cluster, flashes to show proper operation of the front and rear turn signal lights.


To activate lane change function, tap the lever up or down once, without moving beyond the detent. The turn signals (right or left) will flash three times then automatically turn off. This function is useful when overtaking or changing lanes.

**NOTE:**

- If either light remains on and does not flash, or flashes at a fast rate, check for a defective outside light bulb. If an indicator fails while moving the lever, then the indicator bulb is probably defective.
- A "Turn Signal On" message will appear in the instrument cluster and a continuous chime will sound if the

vehicle is driven more than 1.6 km (1 mile) with either turn signal on.

High Beams and Flashing

To switch on the high beams with the light switch in headlamp  or "AUTO" position, shift the multifunction lever onward.

A related telltale  will illuminate on the tachometer.

Pulling the lever backward (toward the steering wheel) you switch off the high beams and switch on the low beams.



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

Flashing occurs also with lights off (lights switch in position "0") if the ignition switch is **RUN** position.





CAUTION!

The high beams can only be switched on manually by pushing the left-hand lever forward.



WARNING!

If the high beams are activated, they will turn on automatically every time the low beams are switched on either manually or automatically. We recommend therefore that you switch them off when they are no longer necessary and every time the twilight sensor deactivates the external lights.

Entry/Exit Illumination

The compartment courtesy lights and the exterior lights can be switched on and off when entering or exiting the vehicle by pressing the buttons on the remote control and/or from the Passive Entry System. Check "Illuminated Entry/Exit" in section 2 for further information.

Interior Lights

The interior and external approach lights turn on and off when entering/exiting the vehicle (see

"Illuminated Entry/Exit" in section 2 for further information). The brightness of the lights can be manually adjusted with the regulator positioned beside the multifunction lever.

To protect the battery, the interior lights will turn off automatically 10 minutes after the ignition switch has been shifted to **OFF**. This occurs if the interior lights were turned on manually or by opening a door. The glove box light, share the same characteristics excepting the boot light.

To adjust interior lights, either turn the ignition switch out of **OFF** or rotate the multifunction lever out of "0" position.

Courtesy Dimmable Lights

The following dimmable courtesy lights, can be set with the regulation device:

- instrument cluster dials and display;
- dome light (front/rear);
- internal door handle LED;
- doors and steering wheel backlight controls LED;
- front footrest light;
- front seats night lighting.





Interior Lights Regulator

NOTE:

- The left regulator operates only with park lights or low beams lights on.
- The right regulator adjusts the headlights leveling: see "Headlights Leveling" in this chapter.



The regulation device rotates from position "0" upward and back downward performing stable and dimmable positions.

This regulator switch has 4 different positions:

- 0 (OFF) Stable position: lower level of the internal and night lighting.
- 1st Dimmable position: allows minimum to maximum brightness tuning of the instrument cluster dials, display, control switches and MTC's backlight, including all displayed messages and night lighting.
- 2nd Stable position: allows maximum brightness set.
- 3rd Stable position: allows to switch on the main and reading lights of the front dome light.

Interior Lights Regulators (only with AFS Headlights)



The regulation devices rotate from position "0" upward and back downward performing stable and dimmable positions.

The left regulator switch has 4 different positions:

- 0 (OFF) Stable position: lower level of the internal lighting.
- 1st Dimmable position: allows minimum to maximum brightness tuning of the instrument cluster dials, control switches and MTC's backlight, including all displayed messages and night lighting.



- 2nd Stable position: allows maximum brightness set.
- 3rd Stable position: allows to switch on the main and reading lights of the front dome light.


NOTE:

The left regulator operates only with park lights or low beams lights on.

The right regulator has 2 different positions:

- 0 Stable position: night lighting (OFF) off.
- 1st Dimmable position: allows minimum to maximum brightness tuning of the front dome light LED and the night lighting.

NOTE:

The right regulator is only active if the switch is in "AUTO" or in low beam mode .

Headlights Leveling

A correct headlights leveling is crucial for the safety of the vehicle's occupants and of people in the street. Moreover it is included in the road regulation law.

In order to obtain the best visibility conditions while driving with headlights on, the headlight beam must be properly leveled.

Headlights leveling must be adjusted at every change of the weight and position of the passengers and/or of the load carried.

An heavy load will weigh the vehicle down and, as a consequence, the light beam will be raised. In this case it is important to adjust the beam to a correct level using the right regulator located on the side of the light switch.



The regulator has 3 different positions:

- 0 One or two people on the front seats.
- 1 Four or five people in the vehicle.
- 2 Four or five people + load in the boot.

During the regulation, the different positions (0, 1 and 2) are visualized on the TFT display.



Dome Lights

The front and rear part of the dome, include each a central and two reading lights.

The central light automatically turns on when one of the doors is opened and turns off when the door is closed (timed switching off). The light may be



switched on manually by pressing the central button.



The reading lights are controlled by the respective side buttons.

If they are turned on by pressing the button, both central and reading lights will stay on for about 10 minutes after turning the engine off, and will then turn off gradually.

When the exterior lights are switched on, the two night LEDs fitted on the side of the buttons will light up to facilitate use of the gearbox lever and the central console.

If one or more doors are opened, the front and rear dome lights will turn on for 27 seconds. If the door is closed before this time, the lights will dim and subsequently switch off after about 3 seconds.

NOTE:

The dome lights will also turn on by pressing the  or  button for centralized doors unlock and lock on the key fob RKE transmitter. See "Illuminated Entry/Exit" section 2 for further information.



In the event of a collision causing automatic interruption of fuel supply, the dome lights switch on automatically and remain lit for approx. 15 minutes.

NOTE:

The sunroof controls and/or the HomeLink controls (if foreseen) can be found on the front domelight.

Hazard Warning Lights

Press the indicated button on the center of the control panel to turn on the hazard warning lights. The operation is independent from the ignition key position.

Press the button again to turn them off.

When these lights are on, the direction indicators, the related warning lights on the instrument cluster and the button itself will flash.



Integrated External Rear View Mirror Lights

Driver and passenger external mirrors are supplied with LED turn signals integrated on the support.

The LED turn signal indicators flash simultaneously with the corresponding turn signal lights in the front and rear of the vehicle. Turning




on the hazard warning lights will also activate these LEDs.



Windshield Wipers and Washers

The multifunction lever operates the windshield wipers and washer when the ignition switch is placed in **RUN** or **ACC** position. The multifunction lever is located on the left side of the steering column.

The headlight and windscreen washer share the same fluid reservoir, and a low fluid level is indicated by the same warning light  and by the message on the instrument cluster.

To refill the fluid, see “Maintenance Procedures” in section 7.



Windshield Wipers

- Rotate the end of the multifunction lever to one of the four settings to activate the automatic intermittent setting (see “Rain Sensing Wipers” paragraph in this chapter).
- For low speed wiper operation (stable position “LO”): rotate the end of the multifunction control lever forward to the first trigger after the intermittent setting.
- Rotate to the second trigger after the intermittent setting for high-speed (stable position HI) wiper operation.
- Rotate the end of the lever downward to the “MIST” position to activate a single wipe cycle. The wipers will continue to operate until you release the multifunction lever.



- To turn the wipers off rotate the lever to "OFF".

**CAUTION!**

- Turn the windshield wipers off when driving through an automatic car wash. The windshield wipers may be damaged 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, the wiper motor may be damaged 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, the wiper motor may be damaged.

Rain Sensing Wipers (for versions/markets, where provided)

This feature detects moisture on the windshield through an internal rear

view mirror integrated sensor, which automatically activates the wipers. Rotate the end of the multifunction lever to one of four settings to adjust the detection system.

Wiper delay position 1 is the least sensitive, and wiper delay position 4 is the most sensitive. Setting 3 should be used for normal rain conditions. The rain sense wipers will automatically change between an intermittent wipe, slow wipe and a fast wipe depending on the amount of detected moisture sensed by a particular area of the windshield. Place the wiper switch in the "OFF" position when you do not want to use the automatic intermittent system. The rain sensing feature can be turned on and off using the MTC System, see "MTC Settings" in section 4 for further information.

**CAUTION!**

- The rain sensing feature may not function properly by ice or dried salt water on the windshield.
- Use of RainX® or products containing wax or silicone may reduce rain sensor performance.

The rain sensing system has protective features for the wiper blades and arms. It will not operate under the following conditions:

- **Low Temperature Wipe Inhibit:** the rain sensing feature will not operate when the ignition is in **RUN** position, the vehicle is stationary and the outside temperature is below 0°C, To resume, set the automatic feature on the multifunction lever, start the engine and drive or wait until the outside temperature rises above freezing.
- **Neutral Wipe Inhibit:** the rain sensing feature will not operate when the ignition is placed in the **RUN** position, the transmission shift lever is in the N (Neutral) position and the vehicle speed is less than 8 km/h (5 mph). To resume, set the multifunction lever to the automatic function or move the shift lever out of N (Neutral).

Headlights On with Wipers

When activating this function, the headlights will light up approximately 10 seconds after the wipers are turned on if the headlight switch is placed in "AUTO" position. In addition, the headlights switch off when the wipers

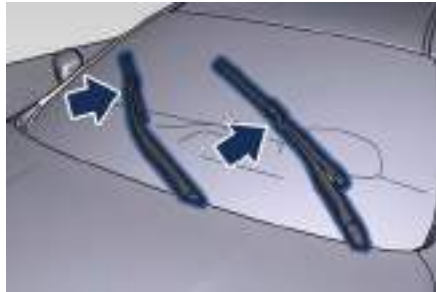


are turned off (position "OFF") if they were previously turned by using this function. Powering on Headlights with wipers can be activated and deactivated with the MTC System, see "MTC Settings" in section 4 for further information.

Wipers Blades Maintenance

When the wiper arms are in "P" (park position) it is not possible to check or replace the blades (Service position) as they are folded under the hood. To service the blades it is necessary to shift the multifunction lever to "OFF" and the ignition switch to OFF position.

Shift the control lever within 15 seconds to the "MIST" panic position (anti-clockwise rotation of the twist switch) and release. The blades are brought in a position enabling the opening of the wiper arms and change of the blades. It is possible to use the panic position for a maximum of 3 times within two minutes, corresponding to different the blades positions on the windshield. When completed bring the ignition switch in **RUN**: the arms will reposition. If necessary move the multifunction lever to other required operating positions.

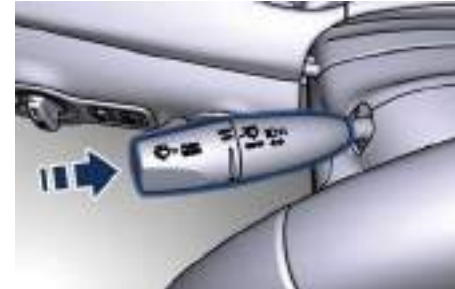


WARNING!
Operate or service the wiper blades without deactivating the wipers ("OFF" position) leaving the ignition switch in RUN can be dangerous for the operator since the rain sensor may suddenly activate the wipers. Always use Service position for any intervention on the wiper blades.

Windshield Washers

To use the washer, push the end of the multifunction lever inward (toward the steering column) and hold it as long as washer spray is desired. If you activate the washer while the windshield wiper control is in the automatic intermittent range, the wipers will operate for two wipe cycles after releasing the lever and then

resume the previously selected intermittent interval. If you activate the washer while the windshield wiper is turned off (OFF) the wipers will operate for three wipe cycles and then turn off.



WARNING!

- Do not start the windscreen washer during the cold months until the windscreen has warmed up. If it has not warmed up, the liquid could freeze on the glass and block your view.
- 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

(Continued)



(Continued)
freezing weather, warm the windshield with the defroster before and during windshield washer use.

Headlight Washers (if foreseen)

The multifunction lever also operates the headlight washers when the ignition switch is in **RUN** position and the headlights are turned on. The headlight washers will spray a timed high pressure spray of washer fluid onto each headlight lens every 11 windshield wipers cycles.

Interior Features

Electric Power Outlets

The vehicle is equipped with three 12 Volt (13 Amp) electric power outlets, one available for each front seats, one for rear seats passengers and one fitted in the boot.

All power outlets are supplied only when the engine is started or the ignition device set on **ACC** or **RUN**. Power outlets are protected by a fuse. Insert an cigar lighter or accessory plug into the power outlets to ensure proper operation. Otherwise, check the matching fuse integrity, see "Fuse Replacement" in section 7 for further information.



CAUTION!

- Do not plug in accessories that exceed the maximum power of 160 Watts (13 Amps) at 12 Volts.
- 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. Damages caused by improper use of the power outlet are not covered by the New Vehicle Limited Warranty.



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.
- Replacing the fuses that protect power outlets with others of higher amperage, there is the risk of fire.
- Do not touch with wet hands.
- Close the lids when the plug is not used and while driving the vehicle.
- If this outlet is mishandled, it may cause an electric shock and failure.

Power Outlet inside the Cup Holder

To access the power outlet inside the cup holder beside the shift lever, press the cover as indicated to open completely.

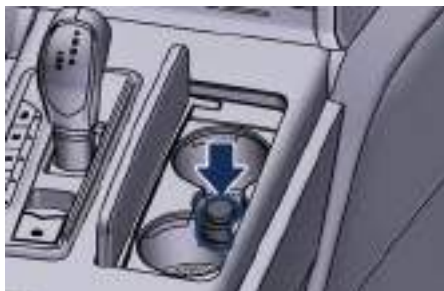


WARNING!

High power consumption items plugged into this outlet for long periods may discharge the battery and/or prevent the engine from starting.



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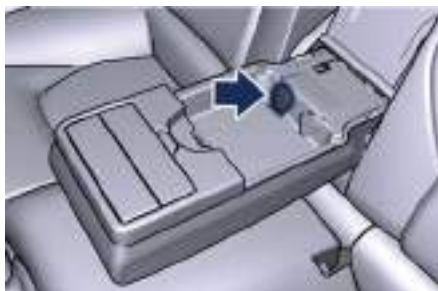
Power Outlets inside the Central Console

To access the power outlet located inside the glove box of the central console you need to open the half-lids as indicated in the following paragraph.



Rear Power Outlets

If the vehicle is equipped with bench seats, a 12 V power outlet inside the armrest between the seats, is available for rear seat passengers (see "Rear Seats" in this section).



Power Outlet inside the Boot

The power outlet is positioned on the right side of the boot compartment.



Cup Holders

The vehicle is equipped with several cup holders.



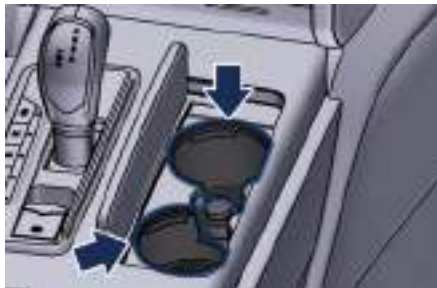
CAUTION!

- Use light and shatterproof containers.
- Do not forcefully push unsuitable containers into the cup holders to prevent damage to the containers.
- Do not store hot drinks.



Front Seats Cup Holders

The front cup holders are located within the central console beside the transmission lever. To access the cup holder, push the lid as shown in the picture and it will open completely.



Pressing the indicated button, the half-lids will rise completely enabling access to the inner compartment

where the two cup holders are located.



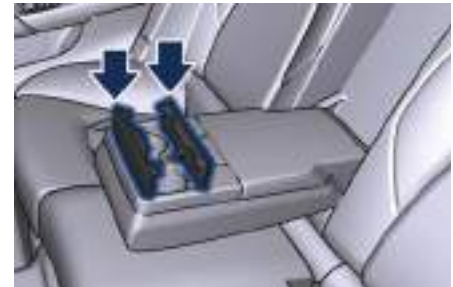
The storage and passenger compartment share the same air conditioning even though you may exclude the air conditioning of the cup holder compartment by moving the indicated button.



To close one or both of the half-lids, push them down to the locking position.

Rear Seats Cup Holders

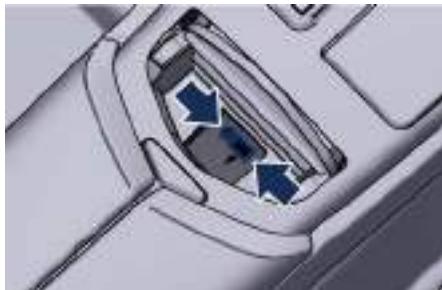
Two cup holders are available in the frontside of the rear seats central armrest, press the button as shown in the picture to access them.





AUX and USB Port

The AUX and USB ports are located inside the compartment behind the transmission lever. To access the ports, push the lid as indicated: it will open completely.




The AUX auxiliary port features:

- typical input impedance between AUX-IN and AUX_REF: 13 Kohm;

- max. applicable voltage: 0.75 Vrms at 1 kHz;

- input compatible only with 3,5 mm jack connectors (not included).

Any player with these characteristics and analog audio output (headset output type) can be served by the MTC System. The system can recognize the connection to a player outlet autonomously enabling access to the audio functions connected to this source.

The USB port , available by removing protection cap, allows the data exchange and charge of the connected source. If there are MP3 files on the USB device, they will automatically start playing. If you are already listening music from a different source you need to select the USB function to start playing audio contents (refer to the MTC guide).

iPod® Connection

An iPod® can be connected to the system via USB and AUX ports by means of a special cable (optional). The MTC will then control the following functions: play, pause, fast forward, rewind, next track, previous track, random or repeat mode, selection and navigation of playlist/genre/singer/album/Podcast.

NOTE:

Visit www.maserati.com or a **Maserati Service Network** for an iPod® devices list compatible with MTC as well as the level of compatibility.



CAUTION!

Do not leave your USB device, iPod® or an external audio source in the vehicle for extended period of time: extreme temperatures and humidity can occur in the vehicle.

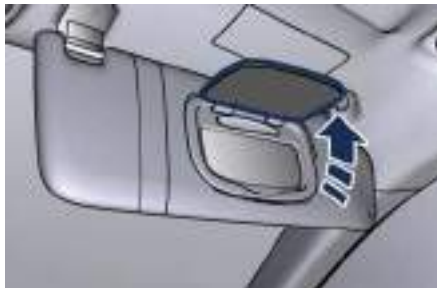
Sun Visors

Sun visors can be folded to the front and to the side of the vehicle. To move the visor laterally, lower and release it from its catch as indicated.





By lowering the visor you can access the courtesy mirror with incorporated light illuminating automatically (with the ignition switch in **RUN**) by raising the mirror protective cover. Before raising the visor, close the mirror cover. A paper holder is fitted inside each sun visor.



Smoking Kit (optional)

The kit includes a lighter and a removable ashtray with cover. The Smoking kit for front seats passengers is located inside the box beside the transmission lever and can be accessed by pressing the cover as indicated.



Pressing the central button activate the cigarette lighter. After about 20 seconds the button returns

automatically to the initial position and stops the heating: now the cigarette lighter is ready for use.



CAUTION!

After use, always make sure that the cigarette lighter is switched off.



WARNING!

- The cigarette lighter reaches high temperatures. Handle it carefully and do not allow children to use to avoid risk of fire and injury!
- The cigarette lighter may not be used as a power outlet.

Handholds and Cloth Hooks

Handholds are fitted above the passenger doors. Once grabbed, they will lower until the block position. When released, a return spring will bring them back to the original position.



3



Rear handholds also include a cloth hook.



Map Pockets

Front seats are fitted with map pockets, on the rear of the seatbacks, and accessible by rear passengers.



CAUTION!
Do not put heavy or sharp objects in the map pockets.

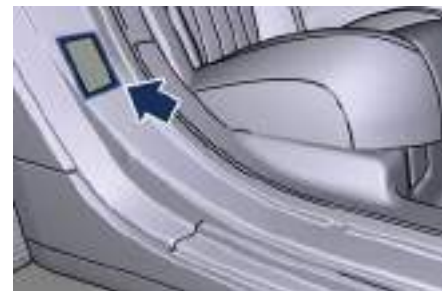
Cargo Area



WARNING!
To help protect against personal injury, passengers should not be seated in the rear cargo area. The rear cargo space is intended for load carrying purposes only, not for passengers, who should sit in seats and use seat belts.

Vehicle Load Carrying Capacity

The load carrying capacity of your vehicle is shown on the vehicle certification label positioned on the rear right hand door's ledge.



The information indicated on the label concerns passengers and luggage loading operations.



Do not exceed the specified Gross Vehicle Weight Rating (GVWR) or the Gross Axle Weight Rating (GAWR) front 1 and rear 2.

The GVWR is the total allowable weight of your vehicle. This includes driver, passengers, and cargo. The total load must be limited so that you do not exceed the GVWR indicated on the label.



WARNING!

After loading the vehicle, before driving, adjust the headlight beam leveling using the specific regulator (if available) as described in chapter "Lights" in this section.

Vehicle Loading



WARNING!

- Improper weight distribution can have an adverse effect on the way the vehicle steers, handles and the way the brakes operate.
- Never drive with the boot lid open. Exhaust gases can enter the passenger compartment.
- Do not pile luggage or cargo higher

than the top of the seatback. This could impair visibility or become dangerous in a sudden stop or collision.

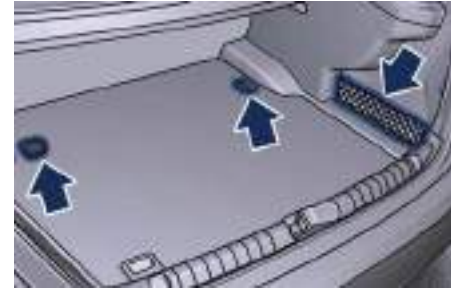
The boot is the most suitable place to load bulky and heavy objects onboard the vehicle. The maximum allowable load on the floor of the boot is 200 kg (440 lb).

To load your vehicle properly, store heavier items below and be sure you distribute their weight as evenly as possible.

Stow all loose items securely before start driving as they could move during the trip.

Light objects can be stored in the net pocket on the right side of the boot compartment.

To fasten heavy and bulky luggage inside the compartment a luggage rack with hooks anchored to the floor is available upon request. The hooking eyelets of the rack are positioned on the floor and on the rear wall of the boot compartment.



Loading with Rear Seatbacks Down

The 60/40 split-folding seatback of the rear seat provides cargo-carrying versatility.

The seatback folded down provides a continuous nearly-flat extension of the load floor able to accommodate large sized equipment and objects (such as ski bags) that may not fit with the normal dimensions of the boot.



NOTE:

Both seat backs can be reclined independently.

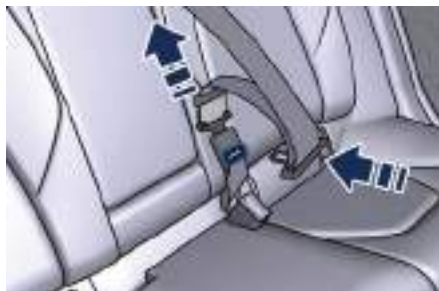
Folding the Short (40) Seatback Side

The short (40) seatback side fold down easily by pulling tab between the seatback and the side bolster.



Folding the Long (60) Seatback Side

Press the red button located on the front of the buckle using the free latch plate and unlatch the plate from the left-side buckle.



- Allow the belt to retract completely into the retractor seat behind the seatback.
- Unlatch the long (60) seatback side pulling tab between the seatback and the side bolster.



- Partially fold down the long seatback side and remove the head restraint of the center seat, by pressing at the same time the push buttons located at the foot of the head restraint. In this way it is avoided that the fully reclined seat back touches the edge of the central console.
- Accommodate the head restraint in a safe location.



WARNING!

Do not leave free the head restraint of the center seat in the passenger compartment: in the event of an accident it could be dangerous for passengers.

- Fully fold down the long seatback. When the short or both seatbacks are folded to the upright position, make



sure they are latched by strongly pulling on the top of the seatback above the seat strap.



NOTE:

When the seatback is folded to the upright position, make sure the seatbelt of the rear central position is in the proper condition for use.



WARNING!

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

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

Power Sunroof with Sunshade (optional)

The sunroof is power controlled and can only be operated with the ignition switch in **RUN** position. It can slide lengthways and be raised at the rear (tilting).

By opening the sunroof a front flap rises automatically in order to deviate the air flow.



The power sunroof controls are located between the sun visors on the overhead console.



The sunshade can be opened manually. However, the sunshade will open automatically as the sunroof opens. The sunshade cannot be closed if the sunroof is open.



WARNING!

- Improper use of the sunroof can be dangerous, even if it features a finger-trap prevention system. Before and during the sunroof operation, always make sure that passengers are not exposed to the risk of injuries caused by the moving roof or by personal objects dragged or hit by the moving sunroof.
- Never leave children in a vehicle with the key fob RKE transmitter in the passenger compartment.
- In a collision, there is a greater risk of being thrown from the vehicle if the

sunroof is open. Always fasten your seat belt properly and make sure all passengers are properly secured too.

- Do not allow small children to operate the sunroof. Never insert fingers, other body parts, or any object through the opening sunroof.



CAUTION!

- In the event of rain, always close the sunroof to prevent water infiltrations from staining the fabric/leather upholstery.
- Do not open the sunroof if there is ice on it: risk of damage.

Slide Opening Sunroof

- **Full automatic express opening**
Press the button rearward and release it within one and half second and the sunroof will open automatically regardless of any previous position. The sunroof will open fully and stop automatically. During this operation, if any sunroof button is pressed, the sunroof will stop.
- **Full or partial manual opening**
To open the sunroof, press and hold the rearward button to fully open.

Any release of the button will stop the movement and the sunroof will remain partially open until the button is pushed and held rearward again.

Venting Sunroof

Press and release the central button, and the sunroof will open to the vent position. This is called "Express Vent", and will occur regardless of sunroof position. During this opening operation, any movement of the button will stop the sunroof.

Closing Sunroof

- **Full automatic express closing**
Press the forward button and release it within one and half second and the sunroof will close automatically regardless of any previous position. The sunroof will close fully and stop automatically. During this operation, if any button is pressed, the sunroof will stop.
- **Full or partial manual closing**
To close the sunroof, press and hold the forward button to fully close. Any release of the button will stop the movement and the sunroof will remain partially closed until the button is pressed again.



Pinch Protect Feature

This feature will detect an obstruction in the opening of the sunroof during express close operation. If an obstruction is detected, the sunroof will automatically retract. If this occurs, remove the obstruction then press the forward button and release to express close.

NOTE:

If three consecutive attempts to close the sunroof result in pinch protect reversals, the fourth attempt will be manual, with pinch protect feature disabled.


Pinch Protect Override



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

NOTE:


Pinch protection is disabled while pressing the forward button.

To Close the Power Sunroof with RKE Transmitter and Ignition Off

When the ignition switch is in **OFF** position, if the sunroof is open, it can be closed together with the windows by pressing the  button on the RKE transmitter (refer to “Power Windows” in Section 2).

- Press and release the  button.
- Press a second time the  button and keep it pressed until the sunroof is completely closed.

NOTE:

Pressing the  button on the RKE transmitter will only open the windows but will have no effect on the sunroof.

Wind Buffeting

Wind buffeting can be described as the perception of pressure or a helicopter-type sound. Your vehicle may exhibit wind buffeting with the windows down, or the sunroof in certain open or partially open positions. This is a normal occurrence and can be minimized. If the buffeting occurs with the rear windows open, then open the front and rear windows

together to minimize the buffeting. If the buffeting occurs with the sunroof open, then adjust the sunroof opening to minimize the buffeting.

Ignition Off Operation

The power sunroof controls will remain active for up to approximately ten minutes after the ignition switch is in **OFF** position. Opening either front door will cancel this feature. The ignition system timing can be set using the MTC System (see “MTC Settings” in section 4).

Sunroof Maintenance

Use only a nonabrasive cleaner and a soft cloth to clean the glass panel.



HomeLink® (for versions/markets, where provided)

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 vehicles 12 Volt battery. The HomeLink® buttons that are located in the overhead console designate the three different HomeLink® channels. The HomeLink® indicator is located above the center button.



NOTE:

HomeLink® is disabled when the vehicle security alarm is active (see "Vehicle security alarm" in section 2).



WARNING!

- Your motorized door or gate will open and close while you are programming the universal transceiver. Do not program the transceiver if people, pets or other objects are in the path of the door or gate. Only use this transceiver with a garage door opener that has a "stop and reverse" feature. Do not use a garage door opener without these safety features. Call toll-free 1-800-355-3515 or, on the Internet at www.HomeLink.com for safety information or assistance.
- Vehicle exhaust contains carbon monoxide, a dangerous gas. Do not run your vehicle in the garage while programming the transceiver. Exhaust gas can cause serious injury or death.

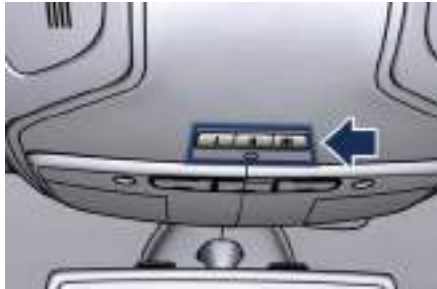
Before You Start Programming HomeLink®

Be sure that your vehicle is parked outside of the garage before you begin programming. For more efficient programming and accurate transmission of the radio-frequency 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. Erase all channels before you begin programming. To erase the channels place the ignition device in the RUN position and press and hold the two outside HomeLink® buttons (I and III) for up 20 seconds. The instrument cluster will display "CLEARING CHANNELS". Release the buttons when the instrument cluster displays "CHANNELS CLEARED".

NOTE:

- Erasing all channels should only be performed when programming HomeLink® for the first time. Do not erase channels when programming additional buttons.
- If you have any problems, or require assistance, please call toll-free 1-800-355-3515 or, on the Internet at www.HomeLink.com for information or assistance.



A - Programming a Rolling Code

For programming garage door openers that were manufactured after 1995. These garage door openers can be identified by the "LEARN" or "TRAIN" button located where the hanging antenna is attached to the garage door opener. It is NOT the button that is normally used to open and close the door.

The name and color of the button may vary by manufacturer.

- Place the ignition device to the **RUN** position.
- Place the hand-held transmitter 3 to 8 cm (1 to 3 inches) away from the HomeLink® button you wish to program.
- Simultaneously press and hold both the HomeLink® button you want to

program and the hand-held transmitter button.

- Continue to hold buttons until the instrument cluster display changes from "CHANNEL # TRAINING" to "CHANNEL # TRAINED", then release both buttons.

NOTE:

- It may take up to 30 seconds or longer in some cases for the channel to train.
- If the TFT displays "DID NOT TRAIN" repeat from second step.
- At the garage door opener motor (in the garage), locate the "LEARN" or "TRAINING" button. This can usually be found where the hanging antenna wire is attached to the garage door opener/device motor. Firmly press and release the "LEARN" or "TRAINING" button. On some garage door openers/devices there may be a light that blinks when the garage door opener/device is in the LEARN/TRAIN mode.

NOTE:

- You have 30 seconds in which to initiate the next step after the LEARN button has been pressed.
- Return to the vehicle and press the programmed HomeLink® button

twice (holding the button for two seconds each time). The instrument cluster will display "CHANNEL # TRANSMIT". If the garage door opener/device activates, programming is complete.

NOTE:

- If the garage door opener/device does not activate, press the button a third time (for two seconds) to complete the training.
- To program the remaining two HomeLink® buttons, repeat each step for each remaining button. DO NOT erase the channels.

A - Reprogramming a Single HomeLink® Button

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

- Place the ignition device to the **RUN** position.
- Press and hold the desired HomeLink® button until the instrument cluster displays "CHANNEL # TRAINING" **Do not release the button.**
- **Without releasing the button** proceed with "Programming a rolling code" from second step and follow all remaining steps.



B - Programming a Non-Rolling Code

For programming garage door openers manufactured before 1995.

- Turn the ignition device to the **RUN** position.
- Place the hand-held transmitter 3 to 8 cm (1 to 3 inches) away from the HomeLink® button you wish to program.
- Simultaneously press and hold both the HomeLink® button you want to program and the hand-held transmitter button.
- Continue to hold buttons until the instrument cluster display changes from "CHANNEL # TRAINING" to "CHANNEL # TRAINED", then release both buttons.

NOTE:

- *It may take up to 30 seconds or longer in some cases for the channel to train.*
- *If the TFT displays "DID NOT TRAIN" repeat from second step.*
- Press and hold the programmed HomeLink® button.

The instrument cluster will display "CHANNEL # TRANSMIT". If the garage

door opener/device activates, programming is complete.

To program the remaining two HomeLink® buttons, repeat each step for each remaining button. **Do not erase the channels.**

B - Reprogramming a Single HomeLink® Button

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

- Place the ignition device to the **RUN** position.
- Press and hold the desired HomeLink® button until the instrument cluster displays "CHANNEL # TRAINING". **Do not release the button.**
- **Without releasing the button** proceed with "Programming a non-rolling code" from second step and follow all remaining steps.

Using HomeLink®

To operate, press and release the programmed HomeLink® button. Activation will now occur for the programmed device (i.e., garage door opener, gate operator, security system, entry door lock, home/office lighting, etc.). The hand-held transmitter of the device may also be used at any time.

Security

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

To erase the channels press and hold the two outside HomeLink® buttons (I and III) for up to 20 seconds. The instrument cluster will display "CLEARING CHANNELS". Release the buttons when the instrument cluster displays "CHANNELS CLEARED". The HomeLink® Universal Transceiver is disabled when the vehicle security alarm is active (see "Vehicle security alarm" in section 2).

Troubleshooting Tips

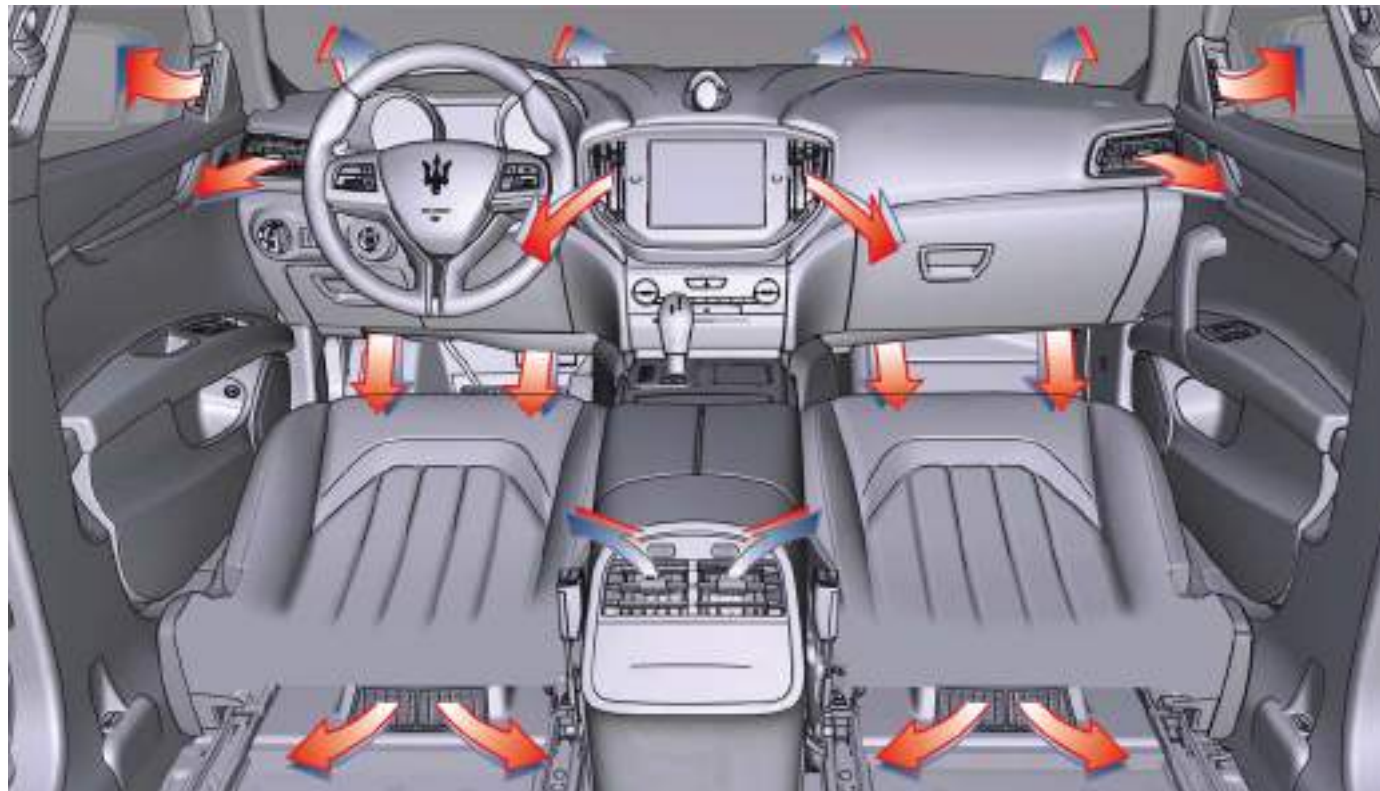
If you are having trouble programming HomeLink®, here are some of the most common solutions:

- Replace the battery in the original hand-held transmitter.
- Press 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, on the Internet at www.HomeLink.com for information or assistance.



Air Conditioning Distribution

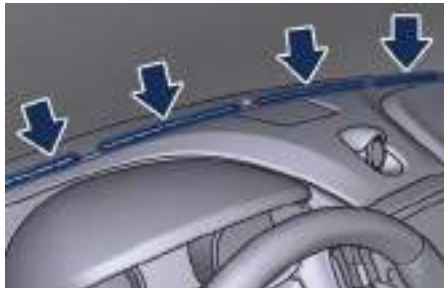


3



Adjustable and fixed air vents allow passengers to achieve the optimal comfort conditions.

- The fixed vents, positioned on the upper part of the dashboard, beneath the windshield and above the front part of the front door panels are meant to guarantee the demisting and defrosting of the windshield and the side windows.



- The fixed vents under the dashboard and below the front seats aim to ventilate the lower part of the passenger compartment.



- The adjustable vents are located at the center of the dashboard, to both sides of the MTC display, and at the side ends of the dashboard. They have the purpose of ventilating the upper part of the passenger compartment. There are also

adjustable vents placed at the rear end of the central console. These vents can be adjusted in vertical and horizontal direction, by operating on the central handle 1, indicated in the following pictures. The rotor 2, located near each vent, allows to control the air flow.



**NOTE:**

In order not to obstruct the air conditioning inlet, the defrosting or the demisting function of the glass surfaces, avoid covering vents with clothing or other items.





4 – Dashboard Instruments and Controls

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Instrument Cluster

The instrument cluster is divided into three main areas displaying information, signs and text and/or icon messages.

- A. Analogic speedometer. It indicates the vehicle speed.
- B. Analogic tachometer.
- C. TFT display. In this area the odometer display shows the total distance the vehicle has been driven.

Speedometer and the tachometer display the main warning lights (see “Warning Lights on Analogic Instruments” in this chapter). The other warning lights are displayed in the lower part of the TFT display (see “Tell Tales on Display” in this chapter).

NOTE:

The image shows the instrument cluster before starting the engine.



Gasoline



Diesel



Warning Lights on Analog Instruments

Tell Tales on Speedometer

Following tell tales are displayed on the speedometer, and related messages are visible for 5 seconds on sector 1 of the display, unless otherwise indicated (see “TFT Display” paragraph in this chapter).



Malfunction warning messages will be stored in “Stored Messages” (see example in picture).



Malfunction Indicator Light (MIL)



The Malfunction Indicator Light (MIL) is part of an onboard diagnostic system, called EOBD, that monitors engine and automatic transmission control systems. Under normal conditions, this indicator light should switch on when the ignition switch is in **RUN** position and switch off as soon as the engine is started.

This is a sign of the indicator light working properly. If the indicator remains lit or switches on while driving, there is a failure in the fuel supply/ignition and emission control systems.

The failure could cause high exhaust emissions, loss of performance, poor vehicle handling and high consumption levels.

Under these conditions you can proceed slowly without forcing the engine or driving at high speeds. The indicator light will switch off if the problem is solved. The error will be registered by the system in any case.



CAUTION!

- When the ignition switch is in the **RUN** position and if the indicator light does not switch on or if it switches on while driving, contact the **Maserati Service Network** as soon as possible.
- Prolonged driving with the MIL on could cause damage to the engine control system. It also could affect fuel economy and drivability. If the MIL is flashing, severe catalytic converter damage and power loss will soon occur. Immediate service is required.

Left Turn Signal Indicator Light



The indicator lights up when the left direction indicators or the hazard lights are turned on.

The indicator light will flash at the same frequency of the turn indicators



and is controlled by the stalk switch lever.

If the vehicle electronics sense that the vehicle drives for more than 1.6 km (1 mile) with either turn signal on, a continuous sound will alert the driver to turn the signal off.

If the indicator flashes at a rapid rate, check for a defective exterior light bulb.

Tire Pressure Monitoring Light



This warning light is connected to the Tire Pressure Monitoring System (TPMS).

Under normal conditions, the warning light should illuminate when the ignition switch is in **RUN** and should go off as soon as the engine is started.

If the warning light remains lit or illuminates while driving, the pressure of one or more tires is too low and a message will be displayed.

The TPMS malfunction indicator is connected to the low tire pressure monitoring light.

When the system detects a malfunction, the monitoring light and the related message will flash for approximately one minute and then remain lit.

This sequence will continue upon subsequent vehicle startups as long as the malfunction lasts.


When the malfunction indicator lights up, the system may not be able to detect or signal low tire pressure correctly.

Please refer to "Tire Pressure Monitoring System (TPMS)" in section 5 for further information.

Anti-Lock Brake (ABS) Light



This light, and its related message, indicate possible malfunctions of the Anti-Lock Brake System (ABS).

The light will turn on when the ignition switch is in **RUN** position and may stay on for 4 seconds. If the ABS light remains lit or turns on while driving, the Anti-Lock portion of the brake system is not functioning and requires service. However, the conventional brake system will continue to operate normally if the  warning light is switched off. If the ABS light turns on while driving, or if it does not switch on when the ignition switch is in **RUN** position, please visit as soon as possible a **Maserati Service Center** in order to restore the Anti-Lock brakes functions.

Electronic Stability Control (ESC) Activation/Malfunction Indicator Light



The ESC activation/malfunction indicator light on the instrument cluster will display when the ignition switch is in

RUN position.

It should switch off by starting the engine.

If the light stays on with the engine running, there is a malfunction in the ESC system.

If the light still stays on after several ignition cycles, and the vehicle has been driven for several kilometers at more than 48 km/h (30 mph) speed, visit the **Maserati Service Network** as soon as possible to have the problem diagnosed and restored.

NOTE:

*Each time the ignition switch is in **RUN**:*

- *The ESC off indicator light and the ESC activation/malfunction indicator light illuminates temporarily.*
- *The ESC system will be on, even if it was turned off previously. The ESC system will make buzzing or clicking sounds when active. This is normal; the sounds will stop when ESC becomes inactive by solving the*

(Continued)



*(Continued)
problem that caused the ESC
activation.*

Electronic Stability Control (ESC) OFF Indicator Light



This indicator notifies that the Electronic Stability Control (ESC) is disabled; the linked message will be displayed.

Tell Tales on Tachometer

Following indicator lights and linked messages are displayed on the tachometer on sector 1 of the display (see "TFT Display" in this chapter).



Gasoline



Diesel

Malfunction messages will be stored in "Stored Messages" (see example in picture).



Rear Fog Light Indicator



This indicator lights up when the rear fog lights are switched on.

High Beam Indicator



This indicator lights up when the high beams are switched on or when blinking.

Push the left multifunction lever forward to switch the headlights to high beam function, and pull toward yourself (back to normal position) to reset the low beams.

Brake Indicator Light



This light monitors various brake functions, including brake fluid level and parking brake engagement.

If the brake light illuminates the parking brake may be engaged, the brake fluid level may be low or a problem with the anti-lock brake system (ABS) reservoir may have occurred.

In all the above situations, a related message will be displayed.

If the light still illuminates when the parking brake has been disengaged, and the fluid level is at the full mark on the master cylinder reservoir, there could be a brake hydraulic system malfunction or a problem with the brake booster detected by the ABS/ESC system.

If this occurs, the light will remain lit until the problem has been solved.



If the problem concerns the brake booster, the ABS pump will run when engaging the brake and a brake pedal pulsation may be felt during each stop of the vehicle.

Inefficiency of one of the dual brake system cycle is indicated by the brake warning light, which will turn on when the brake fluid level in the master cylinder has dropped below a certain level.

The light will remain lit until the problem has been solved.

If a brake failure occurs, visit the **Maserati Service Network** as soon as possible in order to check up the brake system.

In the event of an Electronic Brake Force Distribution (EBD) failure, both the brake indicator light and the ABS light illuminate.

Immediate repair of the ABS system is required.

Functioning of the brake warning light can be checked by turning the ignition switch from **OFF** to **RUN** position.

The light should illuminate for approximately 2 seconds.

The light should switch off unless the parking brake is engaged or a brake fault is detected. If the light does not illuminate, have the light system

reviewed by the **Maserati Service Network**.

The light will also switch on when the parking brake is engaged with the ignition switch in **RUN** position.

This light only indicates the brake is engaged but not the clamping force of the parking brake to the wheels.



WARNING!

Driving a vehicle with the red brake light on could be very dangerous. Part of the brake system may have failed, resulting in increased braking distances and the risk of an accident. Have the vehicle checked as soon as possible at the Maserati Service Network.

Air bag Indicator Light



This light will illuminate for a few seconds for a bulb check when the ignition switch is in **RUN**. If the light does not illuminate while starting the engine, stays lit, or switches on while driving, have the system checked at the **Maserati Service Network** as soon as possible.

See “Supplemental Restraint System (SRS) – Air bags” in section 2 for further information.

Right Turn Signal Indicator



This indicator lights up when the right direction indicators or the hazard lights are switched on.

The indicator will flash at the same frequency of the turn indicators and is controlled by the turn signal lever. If the vehicle electronics sense that the vehicle drives for more than 1.6 km (1 mile) with either turn signal on, a continuous sound will advise the driver to turn the signal off.

If the indicator flashes at a fast rate, check for a defective outside indicator light bulb.

Seat Belt Reminder Light



The SBR system monitors the condition of the seat belt buckled and unbuckled for all the passengers in the vehicle.

The system visualizes a telltale inside the tachometer and icons telltales on the upper part of the TFT.

Refer to “Occupants Restraint Systems” in section 2 for further information.



Start&Stop Active Indicator (Diesel only)



This telltale indicates that the engine has been switched off automatically by the Start&Stop system.

When the engine starts again, the telltale will switch off.

If the telltale during an "AutoStop" phase starts flashing, is necessary to restart the engine normally with the **START/STOP** device holding down the brake pedal.

See chapter "Normal Starting of the Engine" in section 5 for further information.

TFT Display

When operating, the TFT Display is divided into sectors including menus and sub-menus, running data, warning lights and messages. The different sectors of the display layout are rendered in the following picture.

- 1 Main area.
- 2 Selectable information (data, time, temperature, compass, etc.).
- 3 Main menu titles with scroll arrows.
- 4 Position within the submenus and scroll arrows (example: 1 of 5).
There can be maximum 9 displayable submenu positions. When the number of submenu points exceeds 9 (e.g., Stored Messages), the points are replaced by a numerical value within the scroll arrows (in the example: 12).
- 5 Submenu Titles.
- 6 Menu Instruction.
- 7 (P, R, N, D, M) shift lever.
- 8 Sport or Normal driving mode.

- 9 Gear engaged.
- 10 Complete Odometer.
- 11 Engine Temperature Gauge.
- 12 Fuel Gauge.
- 13 Distinctive Quadrants for telltales according to priority and function (see "Tell Tales on Display" in this chapter).



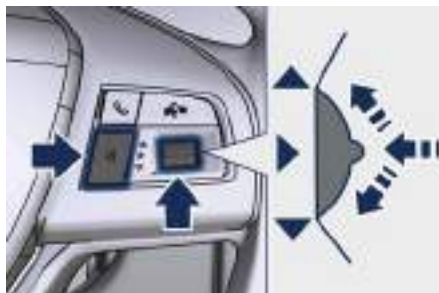
The display background may change according to the type of message displayed.

- Blue color: normal conditions.
- Yellow color: low-critical warning.
- Red color: high-critical warning.



Main- and Submenu

Operate the controls on the right side of the steering wheel to scroll, modify and program the Main- and Submenu.



Press and release the multifunction switch in the ▲ and ▼ arrow directions to scroll upwards and downwards the main menu titles. The main screen area in sector 1 (Main Area) will be updated and the selected title will be shown in sector 3 (Main Menu Title). Press and release the switch (▶) to enter the information screens or a submenu. Keep the switch (▶) for 2

seconds to restore the selected/visualized functions. The sub-menu title selected will be displayed in sector 5 (Submenu Title). Within a submenu, press and release the switch in the ▲ and ▼ arrow directions allow to scroll the menu. Press the ◀ button to return to the main menu from an item of interest or from an information screen.





Main Menu & Submenu Content Overview

Pos.	Main menu	Submenus				
1.	DIGITAL SPEED - SPEEDOMETER	From km/h to mph or vice versa				
2.	VEHICLE INFO	Individual Tire Pressure Monitor	Transmission Temperature	Oil Temperature	Oil Pressure	AWD Torque Distribution (only for Gasoline-AWD)
3.	FUEL ECONOMY	Current, Range, Average				
4.	TRIP A	Distance, Average, Avg. speed, Elapsed Time				
5.	TRIP B	Distance, Average, Avg. speed, Elapsed Time				
(6.)	Start&Stop (Diesel only)	Dynamic Messages	States of the function			
6. (7.)	AUDIO	Current media Source and track				
7. (8.)	STORED MESSAGES	Example: Coolant Low				
8. (9.)	SCREEN SETUP	Cluster upper left information	Cluster upper right information	Restore Defaults		
9. (10.)	VEHICLE SETTINGS	Electric Parking Brake Disable	Passenger Air bag Auto Apply Enable/Disable	Start&Stop Enable (Diesel only)		



1. DIGITAL SPEED — SPEEDOMETER

Press and release the central switch in the ▲ or ▼ arrow directions until "Digital Speed" is displayed.

Pressing and releasing the switch (▶) will toggle the unit of measure between km/h or mph.

Press and release the ◀ button to return to the main menu.



2. VEHICLE INFO

Press and release the switch in the ▲ or ▼ arrow directions until "Vehicle Info" is displayed.

Press and release the switch (▶) to access the submenu.

Press and release the switch in the ▲ or ▼ arrow directions to scroll through the following information displays and in the (▶) arrow direction to visualize the selected information.

• Individual tire pressure monitor

Indicates the pressure of each single tire (see example below). Please refer to "Tire Pressure Monitoring System (TPMS)" in section 5 for further information.



• Transmission temperature

Displays the current transmission temperature.

• Oil Temperature

Displays the current motor oil temperature.

• Oil Pressure

Displays the current motor oil pressure (see example below).



• AWD Torque Distribution (Gasoline — AWD)

Displays a vehicle icon with torque distribution in front and rear axle and "AWD" if all wheel drive is active. Displays "RWD" if all wheel drive is inactive.



Gasoline — AWD

Press and release the ◀ button to return to the main menu.



3. FUEL ECONOMY

Press and release the switch in the ▲ or ▼ arrow directions until "Fuel Economy" is displayed.



The screen will display the following:

- **Current fuel economy in l/100km or mpg**
Shows the instantaneous fuel economy.
- **Range in km or miles**
Shows the range since the last fuel average reset.
When the fuel economy is reset, the display will read "Reset" or show dashes for two seconds.
Then, the history information will be erased, and the averaging will continue from the last fuel average reading before the reset.

- **Fuel economy average in l/100km or mpg**

Shows the average fuel economy since the last reset.

Press the central switch (▶) for 1 second and release to reset the "Fuel Economy Average".

When the fuel economy is reset, the display will read "Reset" or show dashes for two seconds.

Then, the history information will be erased, and the averaging will continue from the last fuel average reading before the reset.

Press and release the ◀ button to return to the main menu.

4. TRIP A – 5. TRIP B

Press and release the switch in the ▲ or ▼ arrow directions until "Trip A" or "Trip B" is displayed.



The screen will display the following:

- **Distance traveled in km or miles**
Shows the total covered distance since the last reset.
- **Average consumption in l/100km or mpg**
Shows the average fuel consumption since the last reset.
- **Average speed in km/h or mph**
Shows the average speed since the last reset.
- **Elapsed Time**
Shows the total time of travel since the last reset in "hours:minutes:seconds" Elapsed Time will increment when the ignition switch is in the **RUN** or **START** position.
Press the central switch (▶) for 1 second and release to reset Trip A or Trip B.
Press and release the ◀ button to return to the main menu.
- **6. Start&Stop (Diesel only)**
Press and release the switch in the ▲ or ▼ arrow directions until "Start&Stop" is displayed.
The screen will display the following information:
 - Dynamic Messages.



• States of the function (see example in picture).
Screen will be displayed the messages on the availability and on the states of this function.



6. (7.) AUDIO

Press and release the switch in the ▲ or ▼ arrow directions until "Audio" is displayed.



The display will show the audio status (source and information) as set on the

MTC. It is possible to display up to 13 alphanumeric characters. Displays Audio Status are:

- AM: Frequency;
- FM: Frequency, Station provided info;
- CD: Track info.

Press and release the ◀ button to return to the main menu.



7. (8.) STORED MESSAGES

Press and release the central switch in the ▲ or ▼ arrow directions until "Stored Messages" is displayed. The system will either display the number of the stored messages (if any available) or "No Stored Messages" as shown in picture.



Press and release the switch in the ▲ or ▼ arrow directions to scroll the stored messages.

When the number of messages exceeds 9, the submenu points will be replaced by a numerical value indicating the message number. Press and release the switch (▶) to view the selected message (for example "Transmission too hot"). Press and release the ◀ button to return to the main menu.





8. (9.) SCREEN SETUP

Press and release the switch in the ▲ or ▼ arrow directions until “Screen Setup” is displayed.

Press and release the switch (▶) to access the submenu.

If the vehicle exceeds 8 km/h (5 mph), this feature is locked out and the main screen shows “Screen Setup Unavailable While in Motion”.



Operate this function with the vehicle stopped and transmission in P (Park) position.

In order to enter a function, press the switch (▶) as shown in the picture.



Scroll the positions on the menu with the switch in the ▲ or ▼ arrow directions:

- Restore Defaults.
- Upper Right (see picture).



- Upper Left.

Press and release the central switch (▶) to view the options related to the menu title selected.

For the “Restore Defaults” title there are following options:

- Ok.
 - Cancel.
- For the “Upper Right” and “Upper Left” titles there are following options:
- None.
 - Compass.
 - Outside Temperature.
 - Date.
 - Time (see picture).



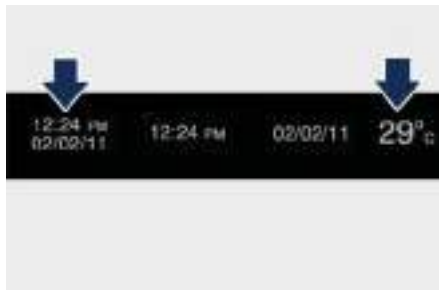
- Time/Date.
 - Range to Empty.
 - Average fuel consumption L/100km (or MPG).
 - Current fuel consumption L/100km (or MPG).
 - Trip A Distance.
 - Trip B Distance.
- Scroll with the switch in the ▲ or ▼ arrow directions to view the selectable



item. A check mark will remain next to the previously selected item until a new selection is made. Press and release the switch (▶) to select an item. "Setting Saved" notification appears as a popup for 2 seconds, then the display will show the last modified item.



The image shows the default items, which are also displayed on the upper part of the MTC.



Press and release the ◀ button to return to the main menu.

9. (10.) VEHICLE SETTINGS

With ignition switch in RUN position press and release the switch in the ▲ or ▼ arrow directions until "Vehicle Settings" is displayed.

Press and release the switch (▶) to access the submenu. If the vehicle exceeds 8 km/h (5 mph), this feature is locked out and the main

screen shows "Vehicle Settings Unavailable While in Motion".



Operate this function with the vehicle stopped and transmission in P (Park) position.

In order to enter a function, press the switch (▶) as shown in the picture.



Scroll with the switch in the ▲ or ▼ arrow directions to view the selectable items:

- Electric Park Brake.



- Passenger Airbag.
- Start&Stop On/Off Switch (Diesel only).

NOTE:

- In order to modify the “Electric Park Brake” function, please see chapter “Parking Brake” in section 5.
- In order to modify the “Passenger Airbag” function, please see paragraph “Passenger’s Air bag Deactivation (if foreseen)” in “Supplemental Restraint Systems – Air bag” in section 2.

Example: How to modify the Start&Stop Status

Scroll with the switch in the ▲ or ▼ arrow directions to view the selectable items.

Press and release the switch (▶) to select “Start&Stop”.



Press and release the switch (▶) once again to view the related options: “Off” is the default status.



Scroll with the switch in the ▲ or ▼ arrow directions to view the “Off” option.

Press and release the switch (▶) to select the option. A check mark will remain next to the previously selected item until a new selection is made.



The “Setting Saved” notification appears as a pop up for 2 seconds,

then the display will show the last modified item.



In menu “6. START & STOP” will be displayed “Off”.



Messages on Main Display Area

The main display area also displays “pop up” messages. These pop up messages fall into several categories:

- **Five-Second Stored Messages**

When the appropriate conditions occur, this type of message appears



on 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 "Stored Messages" main menu item. As long as there is a stored message, an "i" will be displayed in the compass/outside temp sector.

Examples of this message type are "Right Front Turn Signal Light Out" and "Tire Pressure" low (as shown in the picture).



• Unstored Messages

This message type is displayed 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 the driver leaves the vehicle).

• Unstored Messages with Ignition Switch in RUN

This message type is displayed until the ignition switch is in RUN position. An example of this message type is "Press Brake and Push Button to Start" (as shown in the picture).



• Five-Second Unstored Messages

When appropriate conditions occur, this type of message appears on the main display area for five seconds then returns to the previous screen.

Examples of this message type are "Memory System Unavailable", "Vehicle Not in Park" and "Automatic High Beams Enabled".

• Five-Second-displayed Navigation Messages

When the navigation menu is enabled on the MTC, information pop ups will be displayed for 5 seconds while changing direction or approaching a turning point.

On highway, the first pop up will be displayed at 3.2 km (2 miles) from the turn, on roadway, at 1.6 km (1 mile).



While approaching the turn, further pop ups will be displayed starting at 400 m (0.25 miles) from the turning point and the countdown to 0 meters.



Tell Tales on Display

NOTE:

- In sector 13 of the display more telltales are displayed while dedicated messages are shown on sector 1 for 5 seconds, unless otherwise indicated.
- Malfunction messages will be saved in "Stored Messages".



Gasoline



Diesel

Charging System Warning Light



This telltale shows the status of the electrical charging system. If the telltale stays on or comes on while driving, turn off some of the vehicle's non-essential electrical devices or increase engine speed (if at idle). If the charging system telltale remains on, it means that the vehicle is experiencing a problem with the

charging system. Require **IMMEDIATELY** service at the **Maserati Service Network**.

If jump starting is required, refer to "Jump Start Procedures" in section 6.

Automatic Gearbox Failure Indicator



This indicator and related displayed message, indicate gearbox failure. If the failure permits, slowly drive to the nearest **Maserati Service Center**.

Engine Temperature Warning Light



This warning light notifies when the engine is overheated. As temperature rises and the gauge displayed in sector 11 approaches "H", this warning light will illuminate combined with the related displayed message, and the utter of an acoustic signal by reaching the set threshold. If the warning light switches on while driving, safely pull over and stop the vehicle. If the A/C system is on, turn it off. Also, shift the transmission into N (Neutral) and idle the vehicle. If the temperature does not return to normal, immediately turn the engine off and contact the **Maserati Service Network**.

Check "Engine Overheating" in section 6 for more information.



Low Oil Pressure Indicator



Under normal conditions, the warning light illuminates when the ignition device is turned to **RUN** and goes off as soon as the engine is started.

If the indicator light stays or turns on while driving, the engine oil pressure is too low. The warning light is combined with a displayed message and an acoustic signal that will last 4 minutes. In this case, turn the engine off immediately and carry out the necessary checks.

Do not operate the vehicle until the problem has been solved. This light does not indicate the oil level. The engine oil level must be checked with the dipstick located under the engine lid (see "Maintenance Procedures" in section 7).

If the problem persists, contact the **Maserati Service Network**.

Engine Oil Temperature Indicator



This light indicates that the engine oil is overheated. The indicator is combined with the related displayed message. In

this case, drive carefully until the temperature drops back to normal level and the light indicator turns off.

If the problem persists, contact the **Maserati Service Network**.

Low Engine Oil Level Indicator



This indicator and the related displayed message, indicate a low engine oil level.

The engine oil level must be checked with the dipstick fitted under the engine lid (see "Maintenance Procedures" in section 7).

Power Steering Failure Warning Light



This warning light, and the related message, illuminate when the Electric Power

Steering is not operating and needs service.

If the problem persists, contact the **Maserati Service Network**.

Electronic Throttle Control (ETC) Indicator



This light combined to the related message displayed on sector 1 for 5 seconds, indicates a failure of the

Electronic Throttle Control (ETC) system. If the indicator turns on while driving, have the system checked by the **Maserati Service Network**.

When detecting a failure, the light indicator will illuminate while the engine is running. Cycle the ignition

switch when the vehicle has completely stopped and the shift lever is placed in P (Park) position: the light indicator should turn off.

If the indicator remains lit with the engine running, you can still drive your vehicle. However, contact the **Maserati Service Network** as soon as possible.

If the indicator is flashing while the engine is running, immediate service is required. You may experience reduced performance, an elevated/rough idle or engine stall and your vehicle may require towing.

Catalyst Over Temperature Indicator



This warning light, and the related message, light up if the engine runs irregularly with consequent high

temperature in the exhaust system.



WARNING!

- If the warning light is accompanied by the message "Catalyst Temp Getting Hot Reduce Speed": the temperature of the catalytic converters is too high. The driver must slow down immediately until the warning light turns off.
- If the message "Catalyst Temp Hot

(Continued)



(Continued)

Stop Safely Wait To Cool” appears after decelerating: the temperature in the catalytic converters has reached a dangerous level and the catalytic converters could be damaged. Drive slowly to the nearest workshop.

- **If the light turns on permanently 3 times the engine will stop. It will be possible to restart the vehicle only after a key-off / key-on cycle. Then slowly drive to the nearest Maserati Service Center.**
- **Maserati declines all responsibility for whatever damage deriving from non-compliance with the above mentioned warnings.**

Door Ajar Indicator



This indicator illuminates on when one or more doors are ajar. The indicator will show which door is ajar. When one or more doors are open, a related message will be displayed if the vehicle is running at speed 8 km/h (5 mph) or faster.

Boot and Engine Lid Ajar Indicators



These light indicators will illuminate to indicate that the boot or engine lid is ajar.



When the boot or engine compartment is open, a related message will be displayed besides the light if the vehicle is running at speed 8 km/h (5 mph) or faster.

Low Fuel Indicator



When the fuel level reaches approximately 16.0 L this light will turn on, and remain on until fuel is added; the related message will also be displayed. Refer to “Refueling” in section 5 for fuel filling.

Windshield and Headlights Washer Low Fluid Indicator



This indicator will illuminate for 5 seconds to indicate a low level of the windshield and headlights washer fluid. A related message will be displayed. See “Maintenance Procedures” in section 7 for fluid filling.

Adaptive Light Control System Failure



This indicator, and the related message, indicate a failure of

the automatic headlight aiming system.

Please contact the **Maserati Service Network** to check the system.

Suspensions Failure Indicator



This indicator light and the related message turn on while driving if there is a failure of the suspension system.

Please contact the **Maserati Service Network** to check the system.

Transmission Temperature Warning Light



This warning light and the related message indicate that the transmission fluid temperature is rising.

If this warning light turns on, safely pull over and stop the vehicle. Then, shift the transmission into P (Park) and run the engine at idle or faster until the temperature drops and the light switches off. If the problem persists, contact the **Maserati Service Network**.



CAUTION!

Continuous driving with the transmission temperature warning light illuminated will eventually cause severe transmission damage or failure.



WARNING!

If the transmission temperature warning light is illuminated and you continue operating the vehicle, in some circumstances you could cause the fluid to boil over, come in contact with hot engine or exhaust components and cause a fire.

Ice Hazard Warning Light



This warning light and the related message turn on when the outside temperature is 3°C (37°F) or lower, and warn the driver of the risk of icy roadbed.

Under such conditions, we recommend to use the I C E drive mode (see “Automatic Gearbox” in section 5) drive carefully and slow down as the grip of the tires may be significantly reduced.

The warning light flashes for 5 seconds and switches off when the temperature reaches 6°C (42.8°F) or higher.

Brake Pads Wear Warning Light



This warning light and the related message indicate that the brake pads have reached their wear limit.

Please contact the **Maserati Service Network** to have them replaced.

Electric Parking Brake Failure Warning Light



This warning light and related message illuminate when there is an EPB system failure.

The failure could also completely or partially block the vehicle because the parking brake could remain on even after it has been automatically or manually disengaged though its controls. In this situation it is possible to release the parking brake by following the emergency release procedure as indicated in chapter “Emergency Release of the Parking Brake” in Section 6.

If it is still possible to use the vehicle (parking brake not engaged) drive to the nearest **Maserati Service Network** and remember to performing each operation/command that the electric parking brake is not functioning.

Start&Stop Failure Indicator (Diesel only)



This warning light illuminates when there is a failure in the Start&Stop system. Switch the engine on or off using the normal procedure with the ignition device **START/STOP** and have the

vehicle checked at a **Maserati Service Network**.

Oil Change Required Indicator



The “Oil Change Required” message flashes on the display for approximately 5 seconds after an acoustic signal and it indicates that the next scheduled oil change is due.

The engine oil change indicator system is duty cycle based, which means the engine oil change interval may fluctuate according to your personal driving style. Unless reset, this message will continue to display each time you cycle the ignition to the **RUN** position. To turn off the message temporarily, press and release the ◀ button. To reset the oil change indicator system please visit a **Maserati Service Center**.

Passenger's Air bag Deactivated Indicator



This warning light switches on when the passenger's airbag is deactivated. See “Supplemental Restraint

System (SRS) — Airbags” in section 2 for further details.



Wait to Start Indicator (Diesel only)



This indicator will turn on when the ignition device is first turned to the **RUN** position.

Wait until the Wait to Start indicator turns off to start the engine. Refer to “Normal Starting of the Engine” in section 5 for further details.

Water in Fuel Indicator (Diesel only)





It indicates there is water detected in the fuel filter. If this light remains on, **DO NOT** start the vehicle before you

drain the water from the fuel filter to prevent engine damage.

Contact the **Maserati Service Network** for inspection and draining of the fuel filter.



CAUTION!

The presence of water inside the fuel system can damage the injection system and cause engine's malfunction. If the  warning light turns on, you shall contact the **Maserati Service Network** as soon as possible to have the fuel filter cleaned. If, after a refueling, the  warning light turns on, it may be that some water has entered the fuel

tank: in this case, turn off the engine immediately and contact the **Maserati Service Network**.

Gear Shift Indicator Light



This indicator lights up to indicate gear shift change in order to optimize fuel consumption, see “Drive Mode” in section 5 for further information.

Electronic Speed Control, Lights On and Gear Shift Indicators

Electronic speed control, lights and gear shift telltales are displayed in sector 13 on the right side of the total odometer.

Electronic Cruise Control ON Indicator



This light indicator and related message will illuminate when the electronic cruise control is ON. For further information, check “Electronic Speed Control and Speed Limiter” in section 5.

Electronic Cruise Control SET Indicator



This light indicator and related message will illuminate when the electronic cruise control is SET.

For further information, check “Electronic Speed Control and Speed Limiter” in section 5.

Speed Limiter Indicator



This light indicator will illuminate when the Speed Limiter function is set (in the example shown: 55 km/h).

For further information, check “Electronic Speed Control and Speed Limiter” in section 5.

Park/Headlight ON Indicator



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

For further details, see “Lights” in section 3.

Headlight Leveling Indicator



This indicator is visualized on the right side of the TFT display while the headlight beam level is being adjusted.

See “Lights” in section 3 for further details.

Service AWD System Message (Gasoline — AWD)

The message on the TFT display will illuminate when all wheel drive feature requires service. For further



information refer to “All-Wheel Drive” in section 5.



Gasoline — AWD

DPF System Messages (Diesel only)

Under conditions of exclusive short duration and low speed driving cycles, the engine and exhaust after-treatment system may never reach the conditions required to remove the trapped PM. If this occurs a message will be displayed on the TFT display. By driving your vehicle at highway speeds for as little as 30 minutes, you can remedy the condition in the particulate filter system by allowing the trapped PM to be removed to restore the system to normal operating condition.

Carefully follow the indications visualized on the display until regeneration is completed.

If the exhaust after-treatment system requires service intervention, a message will be displayed to alert the driver.

In this condition the engine will be derated to prevent permanent damage to the after-treatment system. If this condition occurs, it is necessary to have your vehicle serviced by your local Maserati Service Network.



Diesel



Diesel



Diesel



Diesel



Infotematic System

The vehicle is equipped with the infotematic Maserati Touch Control (MTC) System, an advanced user interface which combines innovative and exclusive technical features integrating entertainment, user settings, air conditioning, navigation, communication and information features within a single system. The MTC System features an audio system which is acoustically optimized for this specific vehicle.



WARNING!

The navigation system assists the driver while driving, providing advice and suggestions, by voice guidance and graphic information, for the best route to reach the set destination. The suggestions provided by the navigation system do not relieve the driver from full responsibility for the maneuvers made through traffic while driving, or from compliance with road regulations and other provisions regarding road traffic. The person driving the vehicle is always and in any case responsible for safe driving on the road.

The vehicle is provided with a specific add to the owner's manual, describing the MTC System features and listing all warnings and precautions, which are essential for a safe use of the system. Maserati advises you to read this add carefully and thoroughly.

MTC Controls

MTC System has a series of tools, controls and soft-keys that are designed to use external multimedia resources and different audio options, to change settings and to perform other functions.

All controls are positioned in the central part of the dashboard.

- 1 ON/OFF and Volume control.
- 2 Enter/Browse and Tune/Scroll knob.
- 3 Card slot.
- 4 CD/DVD slot.
- 5 "Radio" soft-key.
- 6 "Player" soft-key.
- 7 "Controls" soft-key.
- 8 "Climate" soft-key.
- 9 "Nav" soft-key.
- 10 "Phone" soft-key.
- 11 "Settings" soft-key.

Tools and Hard Controls

• SD Card slot

Insert an SD Card containing any navigation information, perform navigation functions and play media files (music and images).

• CD/DVD slot

To be used when in Player mode.

When inserting a disc, make sure the label is facing up. Press the lateral button to eject the disc.

• ON/OFF and Volume

Press the central button to turn the unit on or off. Rotate the external regulator to adjust the volume.

If the ignition is switched off

(ignition switch in **OFF**) with the radio in standby mode, the radio memorizes the standby mode to the next ignition turn-on.

Press the central button to turn the radio on.

It is possible to eject the CD and to display the time if the system is off.

The navigation software is always working when the ignition is





switched on, even if the radio is in standby mode.

- **Enter/Browse and Tune/Scroll**
Press the central button to accept a highlighted selection on the screen. Rotate the external regulator to scroll through a list or tune a radio station.

Touch-Screen Keys

The soft keys located on the lower part of the MTC display, enable different function modes as briefly indicated below. For further information refer to the dedicated booklet included in the owner documentation.

- **Radio soft-key**
Press the Radio soft-key to enter the Radio mode. The different tuner modes: FM, AM and DAB can be selected by touching the related soft-keys in the Radio mode.
- **Player soft-key**
Press the Player soft-key to access media sources such as: Disc, USB Device and AUX as long as the requested media is present.
- **Controls soft-key**
Press the Controls soft-key to access the Settings list. Controls such as;

Heated Seats, Heated Steering Wheel, Ventilated Seats, etc. can be selected or turned ON/OFF by touching the related soft-key.

- **Climate soft-key**
Press the Climat soft-key to access the air conditioning settings. See "Air Conditioning Controls" in this section for further details.
- **Nav soft-key**
Press the Nav soft-key to access the Navigation feature.
- **Phone soft-key**
Press the Phone soft-key to access the MTC Phone feature.
- **Settings soft-key**
Press the Settings soft-key to access the list of settings.

Audio Controls

The vehicle is equipped with audio controls that allow both driver and front passenger to operate the audio system without using the touch-screen keys on the MTC display. These controls can be used to adjust audio volume, change radio station or mode (FM, AM, CD, etc.).

Steering Wheel Audio Controls

These sound system controls are rocker-type switches with a button in the center and are located on the rear side of the steering wheel, right behind the front switches.

The right-hand control manages volume and mode of the sound system.

By pressing the top of the rocker switch you can increase the volume, and by pressing the bottom of the rocker switch you can lower it. Press the center button to switch radio mode (FM, AM, CD, etc.). The left-hand control functions depend on the current mode set with the right-hand control, and are the following ones.



Radio Operation

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

The button fitted in the center of the left-hand control will tune to the next preset station set on the MTC preset button.

CD Player

A light press on the top of the switch will play the next track on the CD. Pressing the bottom of the switch once will go to the beginning of the current track, or to the beginning of the previous track if it is within one second after the current track begins to play. If you press the switch up or down twice, it plays the second track; three times, it will play the third, etc. The center button on the left side rocker switch has no function for a single-disc CD player. However, if the vehicle is endowed with a multiple-disc CD player, the center button will select the next available CD in the player.



MTC Side Audio Controls

On both sides of the MTC display there are two rotating devices (knobs) with a central button.



Press the central button on the left side to turn on and off the MTC: rotate the knob to set the audio volume. Rotate the regulation knob clockwise to increase volume, anti-clockwise for lower volume.

Rotate the right knob to scroll through the menus and change the user's settings (see "MTC Settings" in section 4).



Audio System

The vehicle is equipped with an audio system that offers superior sound quality, higher sound pressure levels and reduced energy consumption. The new system maximizes the amplifier and speaker technology delivering substantially higher components and system efficiency. The basic sound system features 8 speakers and can develop a sound output of 280 W.

The basic system includes:

- Four 165 mm (6.5 in) diameter Woofers, one on each door.
- One 25 mm (1 in) diameter Tweeter, 2 on the upper edges of the dashboard and 2 on rear doors.

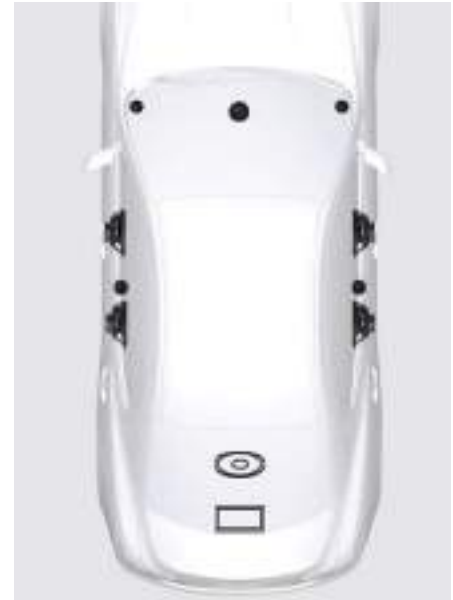


The vehicle can be equipped with a "Premium" sound system which features 10 speakers and can develop a sound output of 600 W.

This system includes:

- Four 165 mm (6.5 in) diameter Woofers, one on each door.
- One 90 mm (3.5 in) diameter Midrange diameter, on the top of the dashboard.

- One 25 mm (1 in) diameter Tweeter, 2 on the upper edges of the dashboard and 2 on rear doors.
- One 180x250 mm (7x10 in) Subwoofer on the rear panel below the rear window.
- 8-channel amplifier in the boot.



The vehicle can be equipped with an "High Premium" audio system including 15 speakers and 1280 W of sound power, available upon request.



The “High Premium” system includes:

- 165 mm (6.5 in) CFR Woofer: 2 x 165 mm in the front doors.
- 165 mm (6.5 in) Black Kevlar Woofer: 2 x 165 mm in the rear doors.
- 100 mm (4 in) Yellow Kevlar Midrange: 1 x centre dashboard, 2 x in the front doors, 2 x L/R surround.
- 25 mm (1 in) MMX Tweeter: 1 x Centre, 2 x on the dashboard L/R, 2 x in the rear doors.

- 350 x 200 mm (13.7 x 7.9 in) Racetrack Sub Dual VC: 1 x on the rear parcel shelf.

- 16-channel 1280 Watts Class-D amplifier in the boot.

The system is supplied with a 12 channel high efficiency amplifier and is operated by a high voltage tracking power supply and drives a 7.5-channel playback architecture. This audio system offers the ability to choose Logic 7[®] surround sound for any audio source. The high-efficiency speaker design ensures higher Sound Pressure Level (SPL) and exceptional dynamic sound quality.

The speakers are tuned for maximum efficiency and compatible with the amplifier output stage ensuring best updated surround sound processing. Logic 7[®] multichannel surround sound technology delivers an immersive, accurate sound stage throughout the passenger compartment.

This surround effect is available from any audio source - AM/FM/CD/Satellite Radio or AUX input; and is activated through the MTC System controls. By selecting “Audio Surround”, you can activate the Logic 7[®] multichannel surround-sound technology in your vehicle. All information on the current operational mode are listed in the

specific booklet included in the on board documentation.

The driver selectable “Video Surround” mode (DSS) is available only for video media sources (DVDs, Video CDs, or other video media supported by the radio). Some audio will sound better in “DSS” modes, some other in “Stereo” mode.

When in “Audio Surround” mode, balance is set automatically. Fader control is available in surround mode but it should be set to the center position for optimal surround performance.



MTC Settings

The MTC System uses a combination of keys able to access and change the customer programmable features. Touch-screen keys are positioned on the lower part of the MTC display centrally of the dashboard.

There is a Scroll/Enter control knob located on the right side of the MTC display.

Turn the control knob to scroll through menus and change settings (i.e., 30, 60, 90), press the button in the center of the control knob one or more times to select or change a setting (i.e., ON, OFF).



NOTE:

For further details refer to the *Maserati Touch Control guide*.

Customer Programmable Features — MTC Settings

Press the Settings soft-key to display the programmable features menu.



In this mode the MTC System allows you to access following programmable features (some of them are optional and may not be available on your vehicle): Display, Clock & Date, Safety & Driving Assistance, Lights, Doors & Locks, Auto-On Comfort & Remote Start, Engine Off Options, Audio, Phone/Bluetooth and Radio Setup.

NOTE:

Only one touchscreen area/key may be selected at a time.

To make a selection, and enter the desired function, press the corresponding soft-key on the menu

(the picture shown is “Doors and Locks”).



To scroll through the functions, move the cursor up or down, or press the arrow ▼ or ▲. Once the desired mode is entered, press and release the touch-screen area of the setting that you wish to modify. The new setting will be highlighted with one or more boxes to indicate status or possible variants of the function status. A check mark in a box indicates the current status of the function. Press the checkmark to cancel, or the empty box to insert the check mark, and change the status of the function.



4



Once the procedure is completed (for example, Display mode) press the ◀ back arrow soft-key to return to the previous menu or press the upper right X soft-key, to close the settings screen. Pressing the ▲ or ▼ soft keys and the cursor on the right side of the screen will allow you to scroll up or down through the available settings.



Display

After pressing the Display soft-key the following mode settings will be available.

- **Display mode**

When in this display you can select one of the auto display settings. To change mode status, touch and release the Day, Night or Auto soft-key.



- **Display Brightness with Headlights On**

When in this display, you can select the brightness with the headlights on. Adjust the brightness with the + and – setting soft-keys or by selecting any point on the scale between the + and – soft-keys.

- **Display Brightness with Headlights Off**

When in this display, you can select

the brightness with the headlights off. Adjust the brightness as previously explained.

- **Set language**

When in this display, you can select one language for all display descriptions, including the trip functions and the navigation system. The available languages are specific to the target markets.

- **Units**

When in this display, you can select between Metric and US units of measurement in the instrument cluster, odometer and navigation system. The speed unit, shown in digital format on the TFT display of the instrument cluster, is defined and non-modifiable through the controls located on the right side of the steering wheel (see “TFT Display” in chapter “Instrument Cluster” of this section).

- **Voice Response Length**

When in this display, you can change the voice response length settings. To change the voice response length, touch the Brief or Detailed soft-key.

- **Touchscreen Beep**

When in this display, you can turn



on or shut off the sound activated by pressure of a touch screen button (soft-key).

- **Control Screen Time-Out**

Use this mode to operate the timing of the control screen display.

- **Navigation Turn-by-Turn Displayed on Cluster**

By selecting this feature, the turn-by-turn directions will appear on the instrument cluster along a programmed route until the desired destination is reached (see picture).



- **Clock & Date**

Time is always visible on the dashboard analog clock and in digital format on the instrument cluster and on the MTC display.



With this feature it is possible to view and set the following modes.

- **Sync with GPS or Radio Time**

When in this mode, time is automatically set and synchronized to the GPS or radio signal.

- **Set Time Hours**

When in this mode, you can set the hours manually. To select, touch the + or – soft-keys to adjust the hours.



- **Set Time Minutes**

When in this mode, you can set the minutes manually. To select, touch the + or – soft-keys as done for the hours.

- **Time Format**

When in this mode, you can select the time format display. To change the current setting, touch and release the 12 Hrs or 24 Hrs button.



• Set Date in Cluster (DD/MM/YY)

When in this mode, you can set the date manually in the status bar of the MTC and on the instrument panel display.

Safety & Driving Assistance

Press the "Safety & Driving Assistance" soft-key to set the following modes.

• Park Assist

The rear park assist system will scan for objects behind the vehicle when the transmission shift lever is in R (Reverse) and the vehicle speed is less than 18 km/h (11 mph). The system can be enabled with Sound only, Sound + Display, or turned Off. See "ParkSense® Park Assist" in section 2 for further information.



• Tilt Side Mirrors In Reverse

By selecting this feature the outside side-view mirrors will tilt downward

when the ignition is in **RUN** position and the transmission shift lever is in R (Reverse) position. The mirrors will move back to their previous position when the transmission is shifted out of R (Reverse).

• ParkView® Backup Camera

This vehicle is equipped with the ParkView® rear backup camera which allows to see an image of the rear surroundings of your vehicle whenever the shift lever is set in R (Reverse). The image will be displayed on the MTC display along with a caution note to "check entire surroundings". See "ParkSense® Park Assist" in section 2 for further information.

• Rain Sensing Auto Wipers

By selecting this feature, the system will automatically activate the windshield wipers if it senses moisture on the windshield.

Lights

Press the Lights soft-key to set the following modes.

• Headlights Off Delay

By selecting this feature, the driver can choose to have the headlights off or lit for 30, 60, or 90 seconds when exiting the vehicle. To change

the current headlight off delay status, touch and release the 0, 30, 60 or 90 soft-key to select the desired time range.



• Headlights Illumination on Approach

By selecting this feature, the driver can choose to have the headlights off or lit for 30, 60, or 90 seconds when the doors are unlocked with the key fob RKE transmitter.

• Headlights with Wipers

By selecting this feature, while the headlight lever is in "AUTO" position, the headlights will turn on approximately 10 seconds after the wipers are activated. The headlights will also turn off when the wipers deactivate if they were activated in the current mode.



- **Auto Dim High Beams**

By selecting this feature, the high beam headlights will deactivate automatically under certain conditions. See “Lights” in section 3 for further information.

- **Steering Directed Headlights**

By selecting this feature, the headlights rotate following the steering wheel direction change and change their flux distribution at high speeds, when the vehicle enters an town area and when it's raining.

- **Headlights Dip (Traffic Changeover)**

By selecting this feature, the headlights will change their luminous distribution when a left-hand-drive vehicle enter a Country with right-hand-drive system and vice versa.


- **Flash Lamps with Lock**

By selecting this feature, the headlights will flash when the doors are locked or unlocked with the key fob RKE transmitter.

Doors & Locks

Press the Doors & Locks soft-key to set the following modes.

- **Auto Door Locks**

This feature allows you to lock the vehicle's door(s) without having to press the key fob RKE transmitter  button. See “Passive Entry System” in section 2.



- **Auto Unlock on Exit**




By selecting this feature, all doors will unlock when the vehicle is stopped, the transmission is in P (Park) or N (Neutral) position and the driver's door is open.

- **Flash Lamps with Lock**

By selecting this feature, the headlights will flash when the doors are locked or unlocked with the key fob RKE transmitter.

- **1st Press of Key Fob Unlocks**

By operating the 1st Press of the Key Fob Unlocks mode you may set up only the driver's door will unlock on

the first press of the key fob RKE transmitter  button. When 1st press of key fob unlocks is selected, you must press the key fob RKE transmitter  button twice to unlock the passenger's doors. When unlock all doors by 1st press selection mode, all doors will unlock on the first press of the key fob RKE transmitter  button.

NOTE:

If the vehicle is programmed on 1st Press of Key Fob Unlocks:

- *all doors will unlock no matter which Passive Entry equipped door handle is grasped;*
- *only the driver's door will unlock when the driver's door is grasped;*
- *with Passive Entry, touching the handle more than once will only result in the driver's door opening.*

If driver door first is selected, once the driver door is opened, the interior door lock/unlock switch can be used to unlock all doors (or use key fob RKE transmitter).

- **Passive Entry**

By selecting this feature, Passive Entry may be programmed to on or off. The default status is on. With



Passive Entry deactivated, also the "Pre-Short Drop" function is disabled (for further information, refer to "Bodywork Maintenance and Care" in section 7).

• Personal Settings Linked to Key Fob

This selected mode enables to combine the key fob to personal driver's position settings. These settings will be implemented when pressing the button on the remote control.

Auto-On Comfort & Remote Start

This feature allows to activate the comfort of the driving seat when starting the engine.

• Auto-on Driver Heated/Ventilated Seat & Steering Wheel with Vehicle Start

By selecting this feature the driver's heated seat and heated steering wheel will automatically activate by temperatures below 4.4°C (40°F). When temperatures are above 26.7°C (80°F) the driver vented seat will turn on.



Engine Off

This feature allows you to set some functions after turning off the engine.

• Easy Exit Seat

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



• Engine Off Power Delay (Power duration after engine shutdown)

By selecting this feature, the power window switches, radio, MTC System, DVD video system (for versions/markets, where provided), power sunroof (for versions/markets, where provided), and power outlets will remain active for up to 10 minutes after the ignition switch is cycled to **OFF**. Opening of one front door will cancel this feature.

The switch-off delay can be canceled (0 seconds) or reduced to 5 minutes or 45 seconds.

• Headlights Off Delay

By selecting this feature the headlights will stay lit for up to 90 seconds after turning off the engine.

The switch-off delay can be canceled (0 seconds) or reduced to 60 or 30 seconds.

Audio

This feature enables to view and set the available audio modes depending on the type of audio system supplied on the car.

The following modes refer to the "High Premium" audio system.



• Balance/Fade

Use this screen to adjust the Balance and Fade settings.



• Equalizer

Use this screen to adjust the Bass, Mid and Treble settings. Adjust the settings with the + and – setting soft-keys or by selecting any point on the scale between the + and – soft-keys.



• Speed Adjusted Volume

This feature increases or decreases volume combined to vehicle speed. To change the speed adjusted volume touch the Off, 1, 2 or 3 soft-key.



• Music Info Cleanup

This feature helps organizing music files for optimized music navigation.



• Surround Sound (only for “High Premium” audio system)

This feature provides simulated surround sound mode. To make your selection, press Stereo, Audience or On Stage.



Phone/Bluetooth

Press the Phone/Bluetooth soft-key to select and connect phones and audio sources.

• Paired Phones

• Paired Audio Sources

By selecting one of these options you will be notified which phones or which audio sources are combined to the Phone/Bluetooth system. For each option, you can also add a device and change the PIN code of the device you wish to connect. For further information, see the MTC guide.



Radio Setup

Press the Radio Setup soft-key to set some listening options.

• FM

By Selecting this type of frequency you may listen to traffic alerts, alternative frequency or tune to the regional mode. For further information, see the MTC guide.



• DAB (Digital Audio Broadcasting)

Selecting the frequency of digital broadcasting you can tune on an alternative frequency. For further information, check the MTC guide.



Slot for SD Memory Card and CD/DVD

Both slots are located on the center of the dashboard, under the air conditioning system control devices.



To insert a memory card into the slot, lift the tab with the "SD" indication and push it inside the slot. To extract it, press lightly on the card.

To insert a CD/DVD push it inside the lower slot with the label on the upper side. To extract it, press the button on the left side of the slot, as indicated. Songs and video played from a SD card or a CD/DVD can be controlled using the touch screen controls on the MTC (see the MTC guide) or the remote controls on the steering wheel (see "Audio Controls" in this section).



Dashboard Compartments

There are two glove box compartments on the dashboard to store small items or documents.



WARNING!

Do not operate the vehicle with a compartment lid in the open position. Cellular phones, music players, and other handheld electronic devices should be stowed while driving. Use of these devices while driving can cause an accident due to distraction, resulting in death or injury.



CAUTION!

Do not place objects weighing over 10 kg (22 lb) in the glove box compartment.

Glove Box Driver Side

To open the glove box on the driver side, pull the handle as indicated.



The compartment is ca. 25-30 cm (10-12 in) deep and is lit by two courtesy lights when open (the light automatically switches off when the compartment is closed).



Glove Box Passenger Side

To open the glove box, pull the handle as shown in the picture.

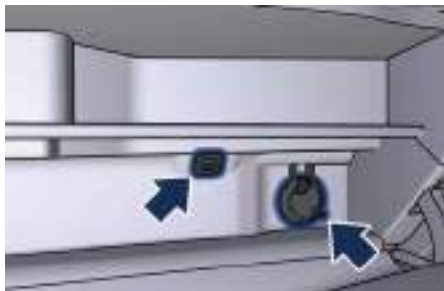


The compartment is divided into two parts: in the lower part you can find the Owner's documentation, while in the upper part you can fit small items.



The compartment is illuminated by a courtesy light when open (the light will automatically switch off when the compartment is closed) moreover, the

compartment is also air-conditioned like the rest of the interior. The air outlet inside the compartment is located on the lower right side.



Analog Clock

To adjust the analog clock located on the center of the dashboard between the air outlets, use the MTC System (see "MTC Settings" in this section). The time can be visualized also on the MTC status bar and on the instrument cluster display (see "MTC Settings" in this section). Clock backlight functioning is combined with the MTC display and the ignition switch backlight.



Air Conditioning Controls

The vehicle is equipped with an automatic dual-zone air conditioner/heater that adjusts the air temperature in the passenger compartment, in two separate left and right side zones. A demister system can "control" a specific area of the windshield, through a sensor located behind the rearview mirror, and activate a special function to prevent or reduce mist. The sensor is enabled upon ignition and whenever the user presses one of the automatic function buttons (AUTO).



CAUTION!

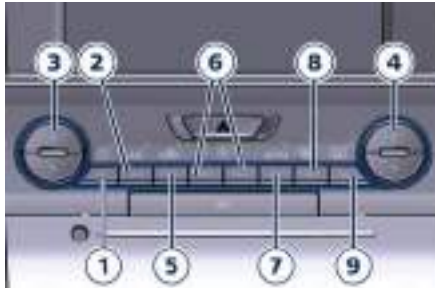
To ensure proper functioning of the sensor, do not apply adhesive parking stickers, etc. in the "checking" area between the sensor and the windshield. Therefore, keep the windshield and the sensor clean to prevent accumulation of dust or other impurities.

Dual Zone Climate Controls

This system can be operated by using either the automatic climate control panel on the dashboard, below the




MTC display, or the corresponding soft keys on the MTC display. When the MTC System is in any mode other than climate (Radio, Player, Controls, etc.) the driver and passenger temperature settings will be indicated on the upper part of the display.



Controls Description

All functions, except the air distribution, MAX A/C and the SYNC mode, can be set and modified using the climate control panel or the MTC display.



1. Climate control on/off

Press the button  or the OFF key to switch the climate control on/off. The LED on the button and the OFF key will illuminate when the A/C is on.

2. A/C

Press to change the current air conditioning (A/C) setting; the indicator illuminates when the A/C is on. Operating this function will cause the automatic feature to switch into manual mode and the AUTO LED/Key will turn off.



3. Driver temperature control

Provides the driver with independent temperature control. Push the  button for cooler temperature. Push the  button for warmer temperature. The driver's temperature setting will be displayed on the MTC screen between the arrows.

NOTE:

In SYNC mode, this button will also automatically and simultaneously adjust the passenger temperature.

4. Passenger temperature control

Provides the passenger with independent temperature control. Push the  button for cooler temperature. Push the  button for warmer temperature. The passenger's temperature setting will be displayed on the MTC screen between the arrows.

NOTE:

Pressing the 4 button while in SYNC mode will automatically exit SYNC.

5. Recirculation

Press to change the current setting, the LED indicator on the button/the relevant soft key illuminates when the function is on.

6. Blower control

Blower control is used to regulate the amount of air forced through the climate system. There are seven blower speeds available. Adjusting the blower will cause automatic mode to switch to manual.

Pushing the "+" on the climate control panel will increase the speed of the





blower, while pushing the “-” will decrease it. On the MTC screen, touch the small icon of the blower to decrease the speed, or the big icon to increase it. Between the two icons, bars will appear to show the number of the corresponding selected speed. The blower can also be activated/regulated by touching the bars between the two blower icons.

7. AUTO



This function automatically controls the interior temperature by adjusting the air flow rate and the air distribution. Press the AUTO will cause the ATC to switch between manual and automatic mode. The LED on the button/the AUTO soft key illuminates when the AUTO function is activated. See “Automatic Temperature Control (ATC)” in this chapter for more information.

8. FAST defrosting/demisting

Press the  button/the  soft key to switch the airflow setting to the windshield and the front side windows to get a quick defrosting/defogging. The LED on the button/the soft key illuminates when this feature is activated. Operating this function will cause the ATC to switch into manual mode: so the AUTO LED/soft key will

turn off; the fifth blower speed will be automatically selected, unless the blower is not already set to a higher speed. If this function is turned off the climate system will return to the previous setting.

9. REAR defrosting/demisting

Press the  button/the  soft key to turn on the rear window defroster and the heated outside mirrors. A LED indicator will illuminate when the rear window defroster and the heated external mirrors are on.

The rear window defroster and the heated external mirrors automatically turn off after 10 minutes.



CAUTION!

Failure to observe the following cautions may cause damage to the rear windows defroster:

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

cleaners on the interior surface of the window.

- Keep all objects inside the vehicle at a safe distance from the window.

10. Airflow distribution modes

The airflow distribution mode can be adjusted so air comes from the dashboard vents, floor vents, demist/defrost vents.

The mode setting keys are located on the MTC display only and allow following setting options:

• “Dashboard” mode

Air flows in from the four adjustable vents of the dashboard and the two positioned at the rear of the central console. Each of these vents can be singly adjusted. The air vanes of the vents can be moved up and down or right and left to adjust air flow direction. A setting wheel, placed near each vent, allows to regulate or close the air flow.

• “Bi-Level” mode

Air comes from the dashboard vents, the central console adjustable vents and the fixed floor vents. A small amount of air flowing through the defrost/demist vents.

**NOTE:**

Bi-Level mode is designed to let cooler air from the dashboard and rear central console vents and warmer air from the floor vents.

- **“Floor” mode**

Air comes from the floor vents. A slight amount of air is directed through the defrost/demister vents.

- **“Mix” mode**

Air comes from the floor and the defrost/demist vents. This mode is recommended for cold climates, to improve comfort and prevent fogging.

11. “SYNC” mode

Press the SYNC soft-key on the MTC to switch the Sync feature on/off. The SYNC indicator illuminates when this feature is selected. This function is used to synchronize the passenger temperature setting with the driver temperature setting. Changing the passenger temperature setting while in SYNC will automatically exit this feature.

12. MAX A/C

Pressing the MAX A/C soft key on the MTC, the system automatically

switches to get the maximum cold air flow.

Dual Zone Climate Control Functions

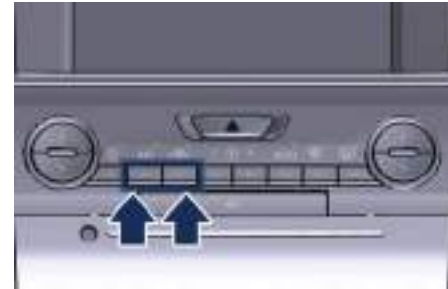
Air Conditioning (A/C)

The A/C button allows to manually activate or deactivate the air conditioning system. When the air conditioning system is turned on, cool dehumidified air will flow through the vents into the cabin. For improved fuel economy, press the A/C button to turn off the air conditioning and manually adjust the blower and airflow mode settings.

When the A/C and AUTO are switched off it is not possible to have air at a lower temperature than the outside.

Recirculation

When outside air contains smoke, odors, or high humidity, or if rapid cooling is desired, you may wish to recirculate interior air by pressing the Recirculation control button. The LED on the button/the recirculation soft key will illuminate when this function is selected. Push the button a second time to turn off the Recirculation mode and allow the entry of outside air into the air conditioning system.

**NOTE:**



In cold weather, use of Recirculation mode may lead to window fogging.

Select the MIX mode and increase the blower speed to prevent fogging.

MAX A/C

Activating this function, the system switches to exit AUTO, enter A/C and Recirculation. The minimum temperature (LO) in both zones, the

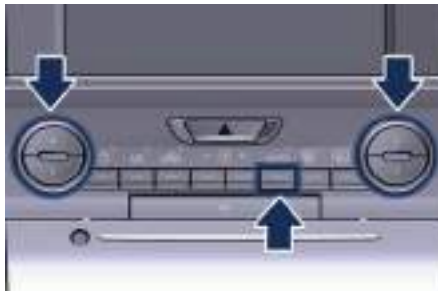


maximum blower speed and the air distribution  are also selected. The blower speed can be adjusted and the air distribution can be modified without exiting MAX A/C. To exit MAX A/C press the relevant soft key or exit A/C or Recirculation. Selecting , AUTO, or OFF, will also exit MAX A/C.

Automatic Temperature Control (ATC)

Automatic operation

- Press the AUTO key on the A/C panel or the soft key button on the MTC screen.
- Set the desired temperature adjusting the driver and/or passenger temperature hard or soft control buttons. Once the desired temperature is displayed, the system will achieve and automatically maintain that comfort level.
- When the system is set up for your comfort level, it is not necessary to change the settings anymore, simply allow the system to function automatically.



- To provide you with maximum comfort in the Automatic mode, during cold start-ups the blower speed will remain low until the engine warms up.

Manual operation

The system allows manual selection of blower speed, air distribution mode, A/C status and Recirculation control. The blower fan speed can be set to any fixed speed by adjusting the blower

control. In this case the blower will operate at a fixed speed until additional speeds are selected. This allows the front occupants to control the volume of air circulated in the vehicle and cancel the AUTO mode. The user can also select the direction of the airflow by selecting one of the available mode settings. A/C operation and Recirculation control can also be manually selected.

Operating Tips

- Continuous use of the air recirculation in winter, in rainy weather or humid climate is not recommended because it may cause window fogging.
- Interior fogging on the windshield can be quickly removed by FAST defrosting/demisting. The “Mix” mode can be used to maintain a clear windshield and provide sufficient heating. If side window fogging becomes a problem increase blower speed.

NOTE:

- *Recirculation mode without A/C should not be used for long periods of time, as fogging may occur.*

(Continued)



(Continued)

- *Automatic Temperature Controls (ATC) will automatically adjust the climate control settings to reduce or eliminate window fogging on the front windshield.*
- Make sure the air intake, located directly in front of the windshield, is free of obstructions such as leaves or other objects. Leaves collected in the air intake may reduce airflow, and if they enter the plenum, they could plug the water drains. In winter make sure the air intake is clear of ice, slush, and snow.
- The climate control system filters outside air containing dust, pollen and some odors. Strong odors cannot be totally filtered out. See “Maintenance Procedures” in section 7 for filter replacement instructions.
- The temperature can be displayed in Metric or U.S. units by selecting the M/US customer programmable feature. See “MTC Settings” in this section.
- Any time you store your vehicle or keep it stationary (i.e., during vacation) for two weeks or more, run the air conditioning system at idle for about five minutes in the fresh air by high blower setting. This

will ensure adequate system lubrication and minimize the possibility of compressor damage when the system is started again.

Phone and Voice Controls on Steering Wheel (if foreseen)

The commands on the right side of the steering wheel activate/deactivate the phone mode and the voice controls functions.



These functions are only available when one or more Bluetooth® compatible mobile phones are paired with the MTC System connection: to pair a phone and to learn all available functions refer to the MTC guide.



The voice command communication system is fully integrated with the vehicle's audio system.

The volume can be adjusted from the radio volume control knob on the side of the MTC screen or from the steering wheel radio controls (see "Audio Controls" in this section).

The system will automatically mute the radio when using the phone mode. When activating the phone mode using voice commands with speakerphone, you should talk quietly in a normal conversational tone by keeping the driving position and turning to the microphone of the voice command system located in the front dome light.


The ability of the system voice control to recognize the user's voice commands can be invalidated when speaking too quickly or too loudly.




WARNING!


Any voice-controlled system should be used only in safe driving conditions following all applicable regulations. All attention should be kept on driving. Failure to do so may result in a collision causing serious injury or death.


Phone Mode

By using the Phone button  it is possible to: activate the phone mode, start a call, show recent incoming and outgoing calls, show contacts list, etc. All these functions can also be reached by using the touch screen commands on the MTC screen.

When pressing the button  an audible sound will invite you to impart a command.

Voice Commands

By using voice commands, after pressing the  button, it is possible to control the AM and FM radio, the satellite radio and all supports or devices connected and managed by the "Player" mode (i.e CD player, SD card, USB/iPod player).

When pressing the button  an acoustic signal will invite to give a voice command.

NOTE:

For further details refer to the Maserati Touch Control guide.



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Normal Starting of the Engine



WARNING!

It is dangerous to run the engine in an enclosed area. The engine consumes oxygen and discharges carbon dioxide, carbon monoxide and other toxic gases in the atmosphere.

When doors are opened, the instrument cluster displays the Maserati Logo in the center and the complete odometer plus the "open doors" indicator  in the lower part of the cluster.



Before starting the engine, close the doors, adjust your seat, the inside and outside mirrors, fasten your seat belt

and instruct all other occupants to buckle their seat belts. The shift lever must be in P (Park) or N (Neutral) position before you can start the engine. Apply the brakes before shifting into any driving gear (see "Automatic Gearbox" in this section).



CAUTION!

- Before starting the engine, switch off the electrical devices with a high power consumption (air-conditioning and heating system, heated rear window, headlights, etc.).
- Do not start the engine if the fuel level in the tank is low.

The keyless ignition device allows the driver to operate the ignition switch by pushing a button, as long as the key fob RKE transmitter is within the passenger compartment (check "Keys" in section 2 for further information). By pressing the brake pedal and pushing the **START/STOP** button the engine starts and the shift lever position, engine temperature, fuel gauges, Maserati logo and complete odometer, will display.



The current display subsequently sets up with the latest screenshot. If the engine fails to start, the starter will disengage automatically after 10 seconds. If you wish to stop the cranking of the engine prior to starting it, press the button again.

**NOTE:**

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

If the driver only pushes the **START/STOP** button but does not press the brake pedal, the ignition switch cycles to the **ACC** position (see “Keys” in section 2) and the instrument cluster displays the latest screenshot. At the second press of the **START/STOP** button, the ignition device switches to **RUN** position (see “Keys” in section 2) and the instrument cluster displays the latest screenshot.

At the third press of the **START/STOP** button the ignition switch returns to **OFF** position and the display powers down.

At the fourth press of the **START/STOP** button the screen will display the following message: “Press Brake and Push Button to Start”.


NOTE:

If the ignition switch is left in the **ACC** or **RUN** (engine not running) position and the transmission is in **P** (Park), the system will automatically time out after 30 minutes of inactivity and the ignition will switch to the **OFF** position.



After starting the engine, the idle speed is controlled automatically and will decrease as the engine warms up.

Notes for the Diesel Engine Starting (Diesel only)

With cold engine and external temperature below 0°C ignition may be delayed a few seconds in order to allow the spark plugs to pre-heat. In this case the amber light  and the related message will illuminate on the TFT display and will stay on for a few seconds after the engine has started.

**Cold Weather Precautions (Diesel only)**

If the outside temperature is very low, the diesel fuel thickens due to the formation of paraffin clots and could clog the diesel filter. In order to avoid these problems, different types of diesel fuel are distributed according to the season: summer type, winter type



and arctic type (very cold, mountainous areas).

If refueling with diesel fuel whose specifications are not suitable for the too cold outside temperature, it is advisable to mix TUTELA DIESEL ART additive in the proportions shown on the container with the fuel. Pour the additive into the tank before the fuel using the funnel provided.

Engine Start Failure



CAUTION!

- Do not attempt to push or tow your vehicle to get it started. Vehicles equipped with an automatic transmission cannot be started this way. Unburned fuel could enter the catalytic converter and once the engine has started, ignite and damage the converter and vehicle.
- If the vehicle has a discharged battery, booster cables may be used to obtain a start from a booster battery or the battery in another vehicle. This type of start can be dangerous if done improperly. See "Auxiliary Jump Start Procedure" in section 6 for further information.

Flooded engine clearing

If the engine fails to start after you have followed the described procedures, it may be flooded. To clear any excess fuel, move the shift lever in P (Park) position. Press and hold the brake pedal, push the accelerator all the way to the floor and hold it, then press and release the **START/STOP** button once. The starter will engage automatically, run for 10 seconds, and then disengage. Once this occurs, release the accelerator pedal and the brake pedal, wait 10 to 15 seconds, then repeat the "Normal starting of the engine" procedure.

Starting by cold engine

Start-off slowly, avoiding sudden acceleration and rev the engine up at low medium speeds. High-performance driving should be avoided until the engine temperature reaches 65-70°C (149-158°F).

Engine Turn Off

- Place the shift lever in P (Park) (see "Automatic Gearbox" in this section).
- With the engine at idle, press and release the **START/STOP** button. The ignition switch will return to the **OFF** position. A burst on the accelerator pedal before turning off the engine

has no purpose and increases fuel consumption.

- If the shift lever is not in P (Park), the **START/STOP** button must be held for two seconds and vehicle speed must be above 8 km/h (5 mph) before the engine will shut off. The ignition switch will remain in the **ACC** position until the shift lever is in P (Park) and the button is pressed twice from the **OFF** position.
- If the shift lever is not in P (Park) and the **START/STOP** button is pressed once, the instrument cluster will display a "Vehicle Not in Park" message and the engine will remain running.



WARNING!

Never leave a vehicle out of the P (Park) position, as it could move.

NOTE:

*If the ignition switch is left in the **ACC** or **RUN** (engine not running) position and the transmission is in P (Park), the system will automatically time out after 30 minutes of inactivity and the ignition will switch to **OFF** position.*



Automatic Start&Stop System (Diesel only)

The Maserati Start&Stop system allows to automatically switch off the engine when the vehicle stops and to restart it when the driver intends to drive.

This feature can reduce fuel consumption up to 6% according to the different drive conditions. During the "Stop (AutoStop)" phase the ignition is still on and all security features are available.

In order for the Start&Stop to activate, the vehicle must be stationary and the brake pedal adequately pressed.

NOTE:

If the brake pedal is not sufficiently pressed the Start&Stop may not function even if the vehicle is stopped.

When the Start&Stop switches off the engine, the related light

 illuminates on the instrument cluster.

As soon as the brake pedal is released, the engine turns on.

While the vehicle is stopped, the shift lever can be placed in P (Park).

As soon as the brake pedal is released, the engine turns on. While the vehicle is stopped, the shift lever can be placed in P (Park), in this case it is


possible to release the brake pedal and the vehicle will remain in "AutoStop" with engine off. Pressing the brake pedal and shifting gear into D (Drive) or R (Reverse) will deactivate the "AutoStop" condition.



Diesel

Start&Stop Disabled

Start&Stop function is disabled under following conditions:

- When SPORT drive mode is activated.
- When  drive mode is activated.
- If it has been disabled through the main menu voice "Vehicle Settings" (see chapter "Instrument cluster" in section 4).

Start&Stop Not Active

For higher driving safety, interior comfort and a correct functioning of engine and vehicle, the Start&Stop function does not activate under following conditions:

- When the driver's seat belt is unbuckled.
- When the vehicle is stopped on very steep road.
- When the vehicle is stopped with steered wheels.
- When the vehicle is maneuvering: shift lever in R (Reverse).
- When the temperature conditions inside the vehicle do not correspond to the air conditioning setting.
- When the "defroster" function is activated.
- When the engine cooling liquid and the engine oil temperatures are not on proper functioning level.
- When the external temperature is too cold.
- When the battery charge is below safety value (see example).



Diesel

- When the previous stop had just happened (few seconds) and the minimum speed has not yet been achieved.
- Short after the R (Reverse) has been set or if driving under a certain speed.
- When the engine lid is open.
- The sensors managing the Start&Stop have been damaged.
- Start&Stop system faults are present.

Automatic Restarting of the Engine

The engine may automatically restart, before the brake pedal has been released, when one of the following conditions occurs:

- The SPORT drive mode or drive mode is being activated.
- If the Start&Stop function has been disabled through the main menu

voice “Vehicle Settings” (see chapter “Instrument cluster” in section 4).

- If shift lever is moved to R (Reverse).
- If the steering wheel is moved to steer the wheels.
- When the temperature conditions inside the vehicle do not correspond to the air conditioning setting.
- When changing the temperature setting on the air conditioning.
- When the defroster function is being activated.
- When the battery charge is below safety value.
- When the accelerator pedal is being pressed (together with the brake pedal).
- When the engine lid is being opened.
- If long period has passed from the last automatic stop of the engine.

Occupants Safety Function

To enhance occupants safety, the Start&Stop system monitors if the driver is present and does not allow automatic restarting of the engine if one of the following maneuvers is being performed while in “AutoStop” condition:

- The driver unbuckles his/her seat belt and release the brake pedal.
 - The driver opens the door and release the brake pedal.
 - The driver unbuckles the seat belt and opens the door.
 - The driver opens the engine lid.
- All the above mentioned conditions disable the Start&Stop function (the “AutoStart” is disabled and the engine remains off) and the shift lever moves automatically in P (Park). The telltale will flash to indicate the Start&Stop function disabling. To restart the engine it is necessary to press the brake pedal and push the **START/STOP** button. Move the shift lever in D (Drive) to drive away.



WARNING!

Even when the vehicle is stopped in the “Stop (AutoStop)” phase, the driver is responsible for the vehicle and the occupants and shall take care of what happens inside and outside the vehicle.



Start&Stop Function Disabling

Under certain driving conditions, when frequent stops and restarts of the engine may become annoying, it is possible to disable the Start&Stop function.


The vehicle must be stationary with ignition device in the **RUN** position and transmission in P (Park) position. Use the controls located on the right side of the steering wheel and follow the instructions in chapter "Instrument Cluster" in section 4 related to the "Vehicle settings" main menu item.

In menu "6. START & STOP" will be displayed "Off" (see picture).



Diesel

Start&Stop System Failure

When the  warning light and the related message illuminates on the TFT display (see chapter "Instrument Cluster" in section 4) there is a malfunction in the Start&Stop system and the engine cannot be switched off and restarted automatically. To switch off or restart the engine it is necessary to push the **START/STOP**. Have the vehicle checked at the **Maserati Service Network**.

Automatic Gearbox

The electronic shift lever replaces the conventional mechanical lever and has no mechanical connection to the gearbox. The gearbox is operated by electrical actuators on the hydraulic system and all commands to the control system are transmitted by the CAN network. The lever itself represents a mere user interface. Gear positions are simulated by solenoids inside the lever body, which are computer controlled and enable or disable certain positions of the lever. The solenoids inside the gear lever prevent the movement of the lever towards invalid positions. The electronically-controlled transmission provides a precise shift schedule. The transmission electronics are self-calibrating, therefore the gearshift behavior could become perfect as expected after few hundreds of km.



CAUTION!

In order to properly use the Automatic Gearbox, it is essential that you read through the whole chapter, so that you can understand right from the

(Continued)



(Continued)

start what the correct and granted operations are.

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

- Shift into P (Park) only after the vehicle has come to a complete stop. This is the default position of the lever and should be used every time the ignition switch is cycled to OFF.
- Shift into or out of R (Reverse) only after the vehicle has come to a complete stop and the engine is at idle speed.
- Do not shift between P (Park), R (Reverse), N (Neutral) or D (Drive) when the engine is above idle speed
- To effect any change from vehicle stop to R (Reverse), D (Drive), 1st or 2nd gear, it is necessary to keep the brake pedal fully depressed.



WARNING!

- It is dangerous to move the shift lever out of P (Park) or N (Neutral) if the engine speed is higher than idle speed. If your foot is not firmly pressing on the brake pedal, the vehicle could accelerate quickly

forward or in reverse. You could lose control of the vehicle and hit someone or something. Only shift into gear when the engine is idling normally and when your foot is firmly pressing on 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 electronic parking brake, shift the transmission into P (Park), and turn the engine off. The gear lever will consequently lock in P (Park) position for a few seconds, then eases, handling the change is to prevent the motion of the car.
- 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 shift lever.
- When leaving the vehicle, always remove the key fob and lock your vehicle.
- Do not leave the key fob in or near

the vehicle. A child could operate power windows, other controls, or move the vehicle.

This vehicle is equipped with a feature which requires the shift lever to be placed in P (Park) before the engine can be turned off. This prevents the driver of inadvertently leaving the vehicle without placing before the transmission in P (Park). This system also locks the shift lever in P (Park) whenever the ignition switch is in the OFF position.

Automatic Transmission Controls

Automatic transmission is operated by a selection lever with lock button and by a series of buttons located on the central console.

Using the selection lever it is possible to select following positions, indicated on the top of the lever: the selected position will illuminate in amber light.



- P (Park);
- R (Reverse);
- N (Neutral);
- D (Drive) automatic forward speed (8 ranges);



- +/- to upshift or downshift when manual mode in D (Drive) status, or set M (Manual) mode.



Buttons on the central console have following functions:

-  to exclude/reactivate the ESC system.
 - M (Manual): to switch from automatic to manual driving mode.
 - I C E: to activate/deactivate the driving mode in slippery surfaces conditions.
 - SPORT: to activate/deactivate a sportier driving mode.
 -  to switch between the two suspensions setting modes (for versions/markets where provided).
- By selecting one of these functions, the LED beside the button illuminates.

The electric parking brake lever is part of the shift control panel (see "Parking Brake" in section 5).



Transmission status is visible on the lever and on the lower part of the Instrument cluster display.



By pressing the release button on the lever, the gear change positions field is displayed: if you release the button without moving the lever, the field disappears after 2 seconds. By operating instead the lever, the new

range will be indicated in the field and in the lower part of the display.



If the vehicle is temporarily in the manual drive mode, D2 (Drive) status, or in M1 (Manual) drive mode, the gear position is indicated beside the lever status, on the lower part of the display.



In normal conditions, the shift lever is always unlocked. When in D (Drive) mode it is possible to upshift or downshift the changing gears by automatically temporary setting in M (Manual) mode.

You must also press the brake pedal to shift the transmission out of P (Park) position.

Shifting from D (Drive) to P (Park) or R (Reverse) should be done only after the accelerator pedal is released and

the vehicle is stopped. Be sure to keep your foot pressed on the brake pedal when moving the shift lever between these gears.

DO NOT race the engine when shifting from P (Park) or N (Neutral) into another gear range.

Automatic Transmission Range P (Park)

Use this position to park the vehicle. To shift the gears from P (Park) position is only possible with the brake pedal pressed. To move the shift lever from P (Park) position to any other position, the engine must be switched on. The engine can be regularly started in P (Park) range. Never attempt to use P (Park) while the vehicle is in motion. When parking on a level surface, you may place the shift lever in the P (Park) position first, and then apply the electronic parking brake by pulling the trigger upwards. The Instrument cluster will display the related light indicator (⚠) and the message for 5 seconds.



When parking on a hill, apply the parking brake before placing the shift lever in P (Park).

For enhanced security, turn the front wheels toward the curb on a downhill and away from the curb on an uphill grade.

**WARNING!**

- **Never use the P (Park) position as a substitute for the electronic parking brake. Always apply the parking brake fully when parked to prevent vehicle movement and possible injury or damage.**
- **Make sure the transmission is in P (Park) before leaving the vehicle.**

**CAUTION!**

- **DO NOT** race the engine when shifting from P (Park) or N (Neutral) into another gear range, as this can damage the drivetrain.
- The following indicators should be used to ensure that you have engaged the shift lever into the P (Park) position:
 - when shifting into P (Park), press the lock button on the shift lever and push the lever all the way forward until it stops. When released, the lever will return to its standard position;
 - with the brake pedal released, verify that P (Park) position is illuminated on the shift lever.

R (Reverse)

This range is used to move the vehicle backward.

We recommend to shift into R (Reverse) only after the vehicle has come to a complete stop.

- Vehicle halted: switching between P (Park), R (Reverse) and D (Drive) requires pressing the unlock button on the lever and brake pedal: N (Neutral) is reached only by pressing the unlock button on the lever.
- Vehicle moving: the driver can switch from R (Reverse) to N (Neutral), or vice versa, by pressing the lock button on the shift lever.

N (Neutral)

- Vehicle halted and engine started: switching from N (Neutral) to R (Reverse), P (Park) and/or D (Drive) requires brake pedal and unlock button pressed.
- Vehicle moving: switching from N (Neutral) to R (Reverse) and/or D (Drive) requires pressing the unlock button. Switching to R (Reverse) starting from N (Neutral) is only possible if the vehicle is moving backwards, while switching to D (Drive) starting from N (Neutral) is

only possible if the vehicle is moving forwards.

Set the parking brake and shift the transmission into P (Park) if you must leave the vehicle.

NOTE:

To move the car into tunnel washers, or to generally move with engine off, if foreseen use the car wash mode (see "Bodywork Maintenance and Cure" chapter in section 7).

**WARNING!**

Do not switch to N (Neutral) and/or never turn off the ignition to coast downhill. These are unsafe practices that limit driver's response to changing traffic or road conditions. It is possible to lose control of the vehicle and have a collision.

**CAUTION!**

Towing the vehicle, coasting, or driving for any other reason with the transmission in N (Neutral) can result in severe transmission damage. See "Towing a Disabled Vehicle" in section 6 for further information.



D (Drive)

This range should be used for most city and highway driving. It provides the smoothest upshifts and downshifts and the best fuel economy. The transmission automatically shifts up and down through all gears. The D (Drive) position provides optimum driving characteristics under all normal operating conditions of the vehicle.

- Vehicle stationary: to switch from D (Drive) to R (Reverse) and/or to P (Park) requires brake pedal and unlock button pressed: to reach N (Neutral) starting from D (Drive) is allowed by only pressing the unlock button on the shift lever.
- To enable special operations while the car is moving at a low speed, such as getting out of marsh or snow, it is possible to run quickly from D (Drive) to R (Reverse), and vice versa, by pressing the reset button on the gear shift lever.
- Vehicle moving: switching to N (Neutral) from D (Drive) requires the unlock button on the shift lever pressed.
- From D (Drive) selected mode it is always possible to switch to M (Manual), by pressing the M (Manual) button: the Led indicator

beside the button will light up; to return to D (Drive) position, the same action should be performed as the LED will turn off.

- When in D (Drive) mode, moving the shift lever forward or backwards to the next step without pressing the unlock button on the lever will cause the system to enter a temporary function and enable the manual shift mode. This range is indicated with the symbols "+/-" on the right and left sides of the "D" letter on the gear range field of the display. The system will then switch back to automatic mode according to time elapsed in "temporary" mode and driving conditions.

At extremely cold temperatures (-30°C/-23°F or below), transmission may be affected by the low temperature of the engine and gearbox. Normal operation will resume once the gearbox temperature has risen to a normal level.

All-Wheel Drive (Gasoline — AWD)

This vehicle is equipped with an active on-demand All-Wheel Drive (AWD) system provides available optimum traction for a wide variety of road surface and driving conditions. The system minimizes wheel slip by

automatically redirecting torque to the front and rear wheels as necessary. To maximize fuel economy, the AWD vehicle automatically defaults to Rear-Wheel Drive (RWD) when road and environmental conditions are such that wheel slip is unlikely to occur. When specific road and environmental conditions require increased levels of road traction, the vehicle automatically shifts into AWD mode. Drive mode, RWD, or AWD, is displayed on the TFT. Refer to paragraph "TFT Display" in chapter "Instrument Cluster" of section 4 for further information.



WARNING!

There may be a slight delay for AWD engagement after a wheel slip condition occurs.



Gasoline — AWD

**NOTE:**

If the “Service AWD System” warning message appears after engine start up, or during driving, it means that the AWD system is not functioning properly. If the warning message is often activated, it is recommended to go to the service.

**WARNING!**

When “Service AWD System” is activated driver should be aware of different driving behavior and reduce speed. The “Service AWD System” also warns the driver not to drive into cross country areas requiring AWD and snow roads.



Gasoline — AWD

Drive Mode

Keys (buttons) on the side of the shift lever only have two states: OFF and ON. The OFF state (button released) is the standard function mode. The ON state is activated by pressing the button, the dedicated LED will illuminate. It is necessary to press the button for at least 3 seconds. The table shows the different drive modes according to the state of the keys.






drive mode/s. is the only mode that does not depend on the activation or deactivation of the other modes. The tables show the configurations with button NOT pressed and the button pressed.

Button	OFF – Button released	ON – Button pressed (LED ON)
	Electronic Stability Control ESC activated	Electronic Stability Control ESC partially deactivated
M	Autoshift Mode (Auto)	Manual shift mode (Manual)
I C E	Increase Control Efficiency mode OFF	Increase Control Efficiency mode ON (*)
SPORT	Normal drive mode (Normal)	Sportier drive mode (SPORT)
(**)	Soft suspensions setting (Soft)	Hard suspensions setting (Hard)

(*) I C E (Increase Control and Efficiency) operates on engine supply in order to reduce fuel consumption, exhausts, noisiness (efficiency) by dampen vehicle reactions (control). The current mode is also useful for low grip surfaces.
(**) For versions/markets where provided.

The tables below summarizes the adjustment of transmission and engine parameters according to set



👤 Button NOT pressed					
Button pressed		 M	 M ICE	 M ICE SPORT	  M ICE SPORT
Setup	Normal + Auto + Soft suspensions	Normal + Manual + Soft suspensions	ICE + Auto + Soft suspensions	Sport + Auto + Soft suspensions	Sport + Auto + Hard suspensions
Stability control	Active	Active	Active	Active-Sport	Active-Sport
Suspensions setup	Normal	Normal	Normal	Normal	Hard
Engine control	Normal	Normal	Comfort	Performance	Performance
Engine boost	Normal boost	Overboost	Low boost	Overboost	Overboost
Exhaust sound	Low up to 3000 rpm (Gasoline) Low (Diesel)	Low up to 3000 rpm (Gasoline) Low (Diesel)	Low	Always High	Always High
Gear shifting point	Normal	-	Comfort	Performance	Performance
Kick down	Yes	Yes	Yes - Soft	Yes - Strong	Yes - Strong
Rev limiter	6200 rpm (Gasoline) 4400 rpm (Diesel)	6200 rpm (Gasoline) 4400 rpm (Diesel)	6000 rpm (Gasoline) 4000 rpm (Diesel)	6500 rpm (Gasoline) 4500 rpm (Diesel)	6500 rpm (Gasoline) 4400 rpm (Diesel)
Automatic downshift	Normal	Anti - Stall	Comfort	Performance	Performance
Transmission speed	Normal	Rapid - Normal	Comfort	Sport	Sport




Button pressed					
Button pressed	ESC OFF	ESC OFF M	ESC OFF M ICE	ESC OFF M ICE SPORT	ESC OFF M ICE SPORT
Setup	Normal + Auto + Soft suspensions	Normal + Manual + Soft suspensions	ICE + Auto + Soft suspensions	Sport + Auto + Soft suspensions	Sport + Auto + Hard suspensions
Stability control	OFF	OFF	OFF - According to speed	OFF	OFF
Suspensions setup	Normal	Normal	Normal	Normal	Hard
Engine control	Normal	Normal	Comfort	Performance	Performance
Engine boost	Normal boost	Overboost	Low boost	Overboost	Overboost
Exhaust sound	Low up to 3000 rpm (Gasoline) Low (Diesel)	Low up to 3000 rpm (Gasoline) Low (Diesel)	Low	Always High	Always High
Gear shifting point	Normal	-	Comfort	Performance	Performance
Kick down	Yes	Yes	Yes - Soft	Yes - Strong	Yes - Strong
Rev limiter	6200 rpm (Gasoline) 4400 rpm (Diesel)	6200 rpm (Gasoline) 4400 rpm (Diesel)	6000 rpm (Gasoline) 4000 rpm (Diesel)	6500 rpm (Gasoline) 4500 rpm (Diesel)	6500 rpm (Gasoline) 4400 rpm (Diesel)
Automatic downshift	Normal	Anti - Stall	Comfort	Performance	Performance
Transmission speed	Normal	Rapid - Normal	Comfort	Sport	Sport



Activation/Deactivation Drive Mode

To insert a driving mode, press briefly the corresponding button. The LED beside the button will light along with the indicator light on the display, combined with a specific message for 5 seconds (see examples) or the specific symbol of the set mode.



To activate  button press the corresponding button for at least 3 seconds.



To disable the mode, press the button again: the LED or symbol on the cluster will turn off.

M (Manual) Drive Mode

In this mode, the transmission interacts with the driver in order to allow manual shift and ensure increased control of the vehicle. The current mode allows the gear system to optimize the engine brake action, remove undesired shifting into a higher and lower gears and improve the overall performance of the vehicle. This mode allows you to move the shift lever step by step forward (-) or backward (+) without pressing the lock button. The current transmission gear

is displayed on the instrument cluster beside "M".



Using the shift paddles behind the steering wheel (if foreseen), the corresponding icon will display beside the "M" indication and current shifted gear.

Pull the right shift paddle (+) towards the steering wheel and release it to enter the higher gear; do the same operation with the left shift paddle (-) to enter the lower gear.





Manual mode can be activated at any time, with no need to release the brake pedal.

Even if the release button is pressed and gear is shifted in R (Reverse), P (Park) or N (Neutral), the selected manual mode will be maintained.



In Manual mode, the transmission will shift up or down (+/-) if manually selected by the driver by using the shift lever, or shift paddles on the steering wheel (if present). The

transmission remains in the engaged gear until the driver shifts into another higher or lower gear, except in the following cases.

- Lack of accelerator pedal activity will cause the transmission to revert to automatic operation. The transmission will also upshift automatically once maximum engine speed is reached.
- If in SPORT mode, the transmission will remain in the selected gear even when maximum engine speed is reached. The transmission will upshift only if enabled by the driver. Manual upshift or downshift will be maintained as long as SPORT mode is selected, even by full stroke pedal press.
- If in M (Manual) or in SPORT mode, the transmission will automatically downshift as the vehicle slows to halt (to prevent engine lugging) and the current gear will display on the instrument cluster. Shifting the gear lever backward (+) or moving the right shift paddle (+) towards the steering wheel when stationary, will cause the vehicle to start in second gear. If the vehicle speed is too low, the system will ignore further upshifts. Avoid using speed control

when the M (Manual) mode is engaged.

Gear Shift Indicator Light

In order to improve fuel economy, we recommend that you shift gears when the system prompts you to do so. This will help reduce fuel consumption without significantly affecting vehicle performance.

The indicator beside the displayed gear will light up just before reaching the required speed for gear change. When the new gear is engaged, the indicator turns off. If the shift runs late or is not performed at all, the indicator remains lit for a few seconds then turns off. As soon as new conditions occur requiring further gear change, the indicator light will illuminate again.





NOTE:

The gearshift indicator will only work when the gearbox is set in M (Manual) mode.

ICE Mode excluding ESC

To release the vehicle in low grip conditions (e.g.: heaps of snow, mud, sand, etc), it is possible to shift the transmission feature in the specific driving mode as required for these situations, by pressing the ICE button and to exclude completely the yaw and spinning control system, by pressing the button for two seconds.

Transmission Malfunction and Overheating Conditions

Transmission Emergency Control

Transmission function is monitored electronically to detect abnormal conditions. If a condition is detected that could result in transmission damage, Transmission Limp Home Mode is activated. In this situation, the transmission may operate only in certain gears, or may not shift at all. Vehicle performance may be severely degraded and the engine may stall. In some situations, the transmission system may be able to re-engage or

start the engine. The Malfunction Indicator Light (MIL) may illuminate. A message in the instrument cluster will inform the driver about the more serious transmission conditions, and indicate what actions may be necessary.

Gearbox Oil Over Temperature

If the gearbox oil temperature exceeds the operating limit, the amber light illuminates on the instrument cluster.



In this case, slow down until temperature returns to normal level (the light will turn off). If this is not sufficient, we recommend to stop the vehicle, shift the lever to position P (Park) or N (Neutral) and keep the engine idle until the temperature warning light turns off and the message disappears from the display. Resume driving without demanding high engine performance.

If the warning light turns on again, it is advisable to stop the vehicle, turn off the engine and wait for the engine/gearbox assembly to fully cool down.



If the instrument cluster message indicates that the transmission may not re-engage after engine shutdown, perform the following procedure preferably at a **Maserati Service Center**.

In the event of a momentary problem, the transmission can be reset to regain all forward gears by performing the following steps.

- Stop the vehicle.
- Shift the transmission into P (Park), if possible.
- Turn the engine off.
- Wait approximately 30 seconds.
- Restart the engine.



- Shift the transmission into D (Drive) and then 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 the **Maserati Service Network** at your earliest possible convenience, which has diagnostic equipment to determine if the problem could recur.*


Gearbox Manual Release of P (Park) Position

See chapter “Gearbox Manual Release of P (Park) Position” in section 6.

Parking Brake

The vehicle is equipped with an electric automatic parking brake, also called EPB (Electric Parking Brake). It is automatically engaged when the engine is turned off and disengaged with engine running and driver’s door closed, while pressing the brake pedal and operating the shift lever. When the parking brake is applied, the warning light  lights up on the rev. counter display and the related message is displayed on the instrument cluster for 5 seconds (see “Instrument Cluster” in section 4).




During engagement and disengagement procedures, the warning light  flashes until the parking brake has reached its maximum activation force and is respectively fully released.

In the above mentioned conditions, the automatic engagement function can be deactivated/activated by using the command “Vehicle settings” on the main menu (refer to paragraph “Deactivating Automatic Operation” in this chapter).

Manual Engagement/Disengagement

The parking brake can also be manually engaged or disengaged when the engine is running or the ignition switch is in the **RUN** position, by pressing the brake pedal and raising the lever located behind the shift lever.

When the parking brake is applied, the warning light  lights up on the rev. counter and the related message will be displayed for 5 seconds on the instrument cluster.

If you attempt to engage/disengage the parking brake without having pressed the brake pedal, a message will be displayed, warning you to proceed.

If the engine was turned off when the automatic engagement device was deactivated (see “Deactivating Automatic Operation” in this chapter) it is possible to shift the parking brake



simply by pulling the lever upward within 3 minutes after turning off.



CAUTION!

The main function of the EPB is to allow safe parking of the vehicle, therefore it must only be applied when the vehicle is already stationary. If the EPB is used while the vehicle is moving and decelerating until a speed lower of 5 km/h (3 mph) and, in particular, until complete stop (typically in a sudden brake), it is necessary to have the EPB system checked by the **Maserati Service Network**.



WARNING!

- Always hold the brake pedal pressed during engagement or disengagement of the parking brake.
- The EPB command activation while running, generates a deceleration of the vehicle with strong deceleration (Dynamic Braking). It is therefore recommended to use of this feature only in case of emergency. The stability of the car is guaranteed by the action of the activated ESC system.

Deactivating Automatic Operation

The automatic engagement function can be deactivated/reactivated by selecting the command "Vehicle settings" on the main menu, the command is reachable through the switch on the right-side of the steering wheel (refer to "Instrument Cluster" in section 4.)

Press and release the switch toward the arrow ► to select "Electric Park Brake".



Press and release the switch once again toward the arrow ► to visualize the options connected to this function.

- Auto Apply On;
- Auto Apply Off (default setting).



Scroll with the switch toward the arrow ▲ or ▼ through the programmable options. Press and release the switch toward the arrow ► to set the selected option. A check mark will remain next



to the previously selected item until a new selection is made.



“Setting Saved” Selection notification appears as a popup for 2 seconds then the display will show again the modified function.




In order to resume the automatic operation follow the same procedures and selecting “Auto Apply Off” option.



CAUTION!

- Under certain conditions when the battery voltage is low, the electric automatic parking brake system may temporarily be deactivated for safety reasons. Therefore, typically upon starting the engine, when the battery voltage drops, a message may temporarily be displayed, indicating that automatic operation is temporarily disabled.
- In case of repetitive requests to reset the EPB through the messages shown on the TFT display, please contact the **Maserati Service Network**.

Failure Indication

In the event of electric parking brake system failure, the warning light  on the display will light up and the related message will show for 5 seconds.



WARNING!

In the event of an EPB failure, take your vehicle to the nearest Maserati Service Network Center as soon as possible.



Emergency Disengagement

In case of brake lock with complete electrical system failure, it is necessary to release the brake manually (see the complete procedure in “Emergency Release of the Parking Brake” chapter in section 6).



Parking

Before leaving the vehicle, make sure that the parking brake is fully applied and place the shift lever in the P (Park) position.



WARNING!

- Always check that the vehicle is locked before leaving it.
- Never leave children unattended in the vehicle.
- Do not park the vehicle on paper, grass, dry leaves or other flammable materials. They could catch fire if they come into contact with hot parts of the exhaust system.
- Do not leave the engine running while the vehicle is unattended.



CAUTION!

When you need to park the vehicle on a steep slope, both with the engine on and off, it is recommended not only to engage the parking brake, but also to shift the gearshift lever to P (Park) before leaving the vehicle.

When parking on hill roads, it is important to turn the front wheels toward the curb on a downhill grade and away from the curb on an uphill grade.

Apply the parking brake before placing the shift lever in P (Park), otherwise the load on the transmission locking mechanism may make it difficult to move the shift lever out of P (Park).

In certain conditions, it is however advisable to disengage the parking brake manually and slightly apply the service brake for starting off. This is advisable when there are obstacles very close to the vehicle in the direction in which you intend to move.

Brake and Stability Control System

The vehicle is endowed with an Electronic Stability Control System (ESC), which helps to maintain directional control in the event of loss of grip of the tires. The system is able to detect potentially dangerous situations for the stability of the vehicle and automatically sets the brakes on all four wheels in a differentiated manner, in order to provide a torque stabilizing of the vehicle.

ESC includes following subsystems:

- EBD (electronic brake force distribution);
- ABS (anti blocking system);
- TCS (traction control system);
- BAS (brake assist system);
- HSA (hill start assist).



WARNING!

- These systems cannot prevent the natural laws of physics from affecting the vehicle, nor can it increase traction, braking or steering efficiency beyond that afforded by

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the condition of the vehicle brakes and tires.

- These systems cannot prevent collisions, including those resulting from excessive speed in turns, following another vehicle too closely, or hydroplaning.
- The capabilities of a vehicle equipped with these systems must never be exploited in a reckless or dangerous manner that could jeopardize the driver's and the passenger's safety or the safety of others.

Anti-Lock Brake System (ABS)

The Anti-Lock Brake System (ABS) provides increased vehicle stability and brake performance under most braking conditions. The system automatically “pumps” the brakes during severe braking to prevent wheel lock-up.

The Electronic Brake Force Distribution (EBD) prevents the rear wheels from over-braking and provides greater control of available braking forces applied to the rear axle.

NOTE:

- When the vehicle's speed is higher than 11 km/h (7 mph), you may also hear a slight clicking sound as well as other motor noises. The system is performing a self-check cycle to ensure that the ABS is working properly.
- This self-check occurs each time the vehicle is started and accelerated past 11 km/h (7 mph).

ABS is activated during braking under certain road or stopping conditions. ABS-inducing conditions can include ice, snow, gravel, bumps, railroad tracks, loose debris.

You may also experience the following when the brake system goes into Anti-Lock:

- The ABS motor running (it may continue to run for a short time after the vehicle stops).
- The clicking sound of solenoid valves.
- Brake pedal pulsations.
- A slight drop or fall away of the brake pedal at the end of the stop. These are all normal characteristics of ABS functioning.



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 Maserati personnel.
- Pumping the Anti-Lock Brakes will diminish their effectiveness and may lead to a collision. Pumping brakes makes the stopping distance longer. Just press firmly on your brake pedal when you need to slow down or stop.

Traction Control System (TCS)

The current device is an integral part of the ESC system. It operates automatically by reducing the power transmitted by the engine in case of slipping, loss of grip on wet floor (aquaplaning), acceleration on slippery snow-covered or frozen surfaces, etc.



Activating under slip conditions different control systems:

- if slippage affects both drive wheels, it reduces the power transmitted by the engine;
- if slippage only affects one drive wheel, it brakes the slipping wheel automatically.

Brake Assist System (BAS)

This system completes the ABS system by optimizing the vehicle braking capacity during emergency brake maneuvers. The system detects an emergency braking situation by sensing the rate and amount of brake application and then applies optimum pressure to the brakes in order to help reduce braking distances.

The quick brake coupling is optimal for BAS performances. In order to fully exploit the system, apply continuous brake pedal pressure during the entire vehicle stop sequence. Do not reduce brake pedal pressure earlier than required. Once the brake pedal is released, the BAS is deactivated.

Electronic Stability Control (ESC)

This system enhances directional control and stability of the vehicle under various driving conditions. The ESC corrects over steering and under steering of the vehicle by applying the brake to the appropriate wheel.

Engine power may also be reduced to assist in counteracting the conditions of instability and maintain the right direction. The system is also able to reduce the engine power.

Through sensors fitted on the vehicle, the ESC system detects the driver's chosen direction comparing it to the one maintained while running. In case of discrepancy between the required trajectory and the current one, the ESC system brakes the appropriate wheel to counteract over or under steering.


- Oversteer - when the vehicle is turning more than appropriate for the steering wheel position.
- Understeer - when the vehicle is turning less than appropriate for the steering wheel position.

The ESC system has two available operating modes:

ESC on

This is the normal ESC operating mode. At each start-up of the vehicle, the ESC system is set in this mode and should be used for most driving conditions. The ESC should only be turned off for specific reasons as pointed out in the following paragraphs.

ESC off

The "ESC off" mode is aimed for a more spirited driving experience but also purposeful for driving in deep snow, sand, or gravel. The current mode disables the TCS portion of the ESC and raises the threshold for ESC activation, allowing higher wheel spin than normally granted by the ESC system. The  switch is fitted beside the gear shift lever: to deactivate the system see "Drive mode" in "Automatic Gearbox" in this section.



NOTE:

- When in "ESC off" mode, the TCS functionality of ESC is deactivated (except for the limited slip feature described in the TCS paragraph of this chapter). All other stability features of ESC function regularly.
- To improve the vehicle's traction when driving with snow chains, or when starting off in deep snow,

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sand, or gravel, it may be desirable to switch to the “ESC off” mode by pressing the  switch and remain in this operational mode no longer than needed. Once the situation requiring “ESC off” mode is overcome, turn the ESC on again by pressing the  switch. This may also be performed while in motion.

Hill Start Assist (HSA)

The HSA system is designed to assist the driver when starting a vehicle uphill. HSA will maintain the level of brake pressure applied for a short period of time also after releasing the brake pedal.

If the driver does not apply the throttle during this short period of time, the system will release brake pressure and the vehicle will start sloping down. The system will release brake pressure proportionally to the amount of throttle/torque applied as the vehicle starts to move in the chosen direction.

HSA Activation Criteria

The following criteria must be met in order for HSA to activate:

- vehicle is stationary.
- gear selection matches vehicle uphill direction (i.e., vehicle facing uphill is in forward gear; vehicle backing uphill is in reverse gear).

HSA will work in R (Reverse) and all forward gears when the activation criteria have been met.


The system will not activate if the gear is placed in N (Neutral) or P (Park).

Using the Brakes



CAUTION!

To obtain a good performance by brake pads and discs, avoid sudden braking during the first 300 km (190 mi).

The pad wear limit is indicated by the illumination of the warning light  , on the instrument panel. In this event, please contact the **Maserati Service Network**.



WARNING!

Riding the brakes can lead to brake failure and possibly an accident. Driving with your foot resting or riding on the brake pedal can result in

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abnormally high brake temperatures, excessive lining wear, and possible brake damage. In an emergency full braking capacity may be impaired.

Use of the Engine

Breaking-In (Gasoline only)

Today's most modern production methods are designed to provide extremely precise construction and assembly of components. However, moving parts do undergo a settling process, basically in the first hours of vehicle operation.

Avoid exceeding 5000 rpm for the first 1000 trip km (620 mi).

After starting the vehicle, do not exceed 4000 rpm until the engine has warmed up sufficiently (coolant temperature: 65-70°C /149-158°F).

Do not drive keeping at a constant high speed rate for a prolonged time.

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

The engine oil installed in the engine at the factory is a high-quality energy conserving type lubricant. Oil changes should be consistent with anticipated climate conditions under which vehicle operations will occur. For the recommended viscosity and quality

grades, see "Maintenance Procedures" in section 7.

A new engine may consume some oil during its first few thousand kilometers of operation. This should be considered as a normal part of the break-in and not interpreted as an indication of malfunction.

Specific Requirements for Diesel Engine

During the first 1500 km (900 mi) avoid heavy loads, e.g. driving at full throttle. Do not exceed 2/3 of the maximum permissible engine speed for each gear. In M (Manual) drive mode, change gear in good time. Do not shift down a gear manually in order to brake.

While Driving

Never travel with the rev. counter indicator approaching the peak rpm, not even downhill. When the rev. counter indicator is approaching the peak rpm (red coloured zone), take precautions to avoid exceeding that limit.



Gasoline



Diesel

Ensure proper operation of different devices checking their respective control tell tales.

**CAUTION!**

- Under normal conditions, all red warning light on the instrument cluster display should be off. When

they come on, they indicate a malfunction. Refer to “Instrument Cluster” in section 4.

- Continuing to drive when a red warning light is on could cause serious damage to the vehicle and affect its performance.

**WARNING!**

Do not travel downhill with the engine off, as the servo brake will no longer function due to the vacuum decrease and thus after a few braking attempts, the system becomes totally inefficient. The power steering will also lose its efficiency under these conditions.

On Board Diagnostic System

Your vehicle is equipped with a sophisticated onboard diagnostic system called EOBD. This system monitors the performance of the emissions, engine, and automatic transmission control systems. When these systems are operating properly, your vehicle will provide excellent performance and fuel economy, as well as engine emissions well within

current local regulations of various countries.

If any of these systems require service, the EOBD system will turn on the malfunction indicator light (MIL). It will also store diagnostic codes and other information to assist which your **Maserati Service Center** will use to service your vehicle. Although the vehicle will still be drivable and not need towing, contact the **Maserati Service Network** for service as soon as possible.


**CAUTION!**

- Prolonged driving with the malfunction indicator light (MIL) on could cause further damage to the emissions control system. It could also affect fuel economy and

(Continued)



(Continued)
driveability. The vehicle must be serviced before any emissions tests can be performed.

- If the  malfunction indicator light (MIL) is flashing while the engine is running, severe catalytic converter damage and power loss will soon occur. Immediate service is required at the **Maserati Service Network**.
- After the problem has been solved, the **Maserati Service Network** personnel will perform specific tests on the test bench for a complete check of the system and, if necessary, also road tests, even on long distances.

Electronic Speed Control and Speed Limiter

Using the controls located on the left side of the steering wheel, the driver can set a maximum speed limit (SL) or maintain a constant cruise speed (CC) without operating the accelerator pedal. If set, these two functions SL and CC will exclude each other according to the driver's maneuvers.

Speed Limiter (SL)

With this function, the driver can set the maximum speed limit to be reached by the vehicle. It is possible to exceed the set maximum speed by firmly pressing on the accelerator pedal. After that, if the SL function is still active, once the driving speed returns under the set value, the SL function will continue to limit the speed.

Cruise Control (CC)

The electronic speed regulator (Cruise Control) enables the driver to maintain the desired vehicle speed without pressing the accelerator pedal, reducing driving fatigue on highways, especially long trips, as the set speed is automatically maintained. A Firm press

on the accelerator pedal or the braking pedal will temporarily deactivate the cruise control function.



CAUTION!

The device can only be switched on at speeds exceeding 30 km/h (19 mph) and it switches off automatically when the brake pedal or the accelerator pedal is pressed.



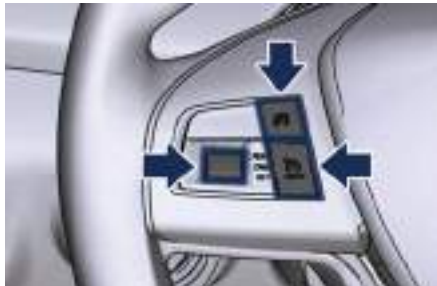
WARNING!

The Cruise Control function must only be activated when traffic and the route permit a constant speed to be maintained safely for a sufficiently long distance.



Controls

The buttons are located on the left side of the steering wheel.



Control buttons have following functions:



ON/OFF button of SL function: engage/disengage;




ON/OFF button of CC function: engage/disengage;


RES+
CANC
SET-

multifunction control (common to both functions):

- pushed upward (RES+): set the current driving speed or resume the previously set speed (if the system is in "pause") / increase speed;
- pushed (CANCEL) in SL mode: pause (SL disengaged). The set limit is not deleted (see paragraph "Temporary Deactivation (SL and CC)" in this chapter / in CC mode deletes the set speed;
- pushed downward (SET-): set the speed (lower speed).

SL Activation (Speed Limiter)

Push the ON/OFF button. The white light  located on the lower-right part of the instrument cluster will illuminate and the related message pops up for 5 seconds.


To disengage the system, push the ON/OFF button a second time. The light  will turn off and a new message pops up for 5 seconds, then the display returns to the previous setting.

When the SL function is activated, the system automatically disengage the CC function if it was active. The system must be disengaged when not in use. The set speed memory can only be erased by pressing the ON/OFF button or by turning the ignition off.






CC Activation (Cruise Control)

Push the ON/OFF button. The amber light  on the lower-right part of the instrument cluster will illuminate and the related message pops up for 5 seconds.



To disengage the system, push the ON/OFF button a second time. The light  will turn off and a new message pops up for 5 seconds, then

the display returns to the previous setting.



When the CC function is activated, the system automatically disengage the SL function if it was active.

The system must be disengaged when not in use. The set speed memory can only be erased by pressing the ON/OFF button or by turning the ignition off.



WARNING!

Leaving the CC on when not in use is dangerous. You could accidentally set the system or cause it to go faster than you want. Always leave the system disengaged when you are not using it.

Temporary Deactivation (SL and CC)

A single or continuous press on the CANCEL switch temporarily deactivates the CC and SL functions without erasing the set speed memory. Pressing the brake pedal will only temporarily deactivate the CC function, not the SL function.

The related message will pop up for 5 seconds on the instrument cluster and then the display will return to the previous setting, however, the corresponding light will remain lit as the function has not yet been deactivated.





When the CC is activated, if the driver presses the accelerator pedal to overtake another vehicle and exceeds the set speed limit, the system temporarily deactivate the speed regulator. A message pops up for 5 seconds on the display to alert the driver.

When the accelerator pedal is released, the vehicle will return to the set speed.



When the SL is activated, if the driver exceeds the set speed limit, a message pops up for 5 seconds on the TFT display to alert the driver. In this case, reduce the speed to return to the maximum set value.



Speed Limiter Setting (SL)

With the SL function activated, push down and release the (SET-) control: the system sets and visualizes the current speed limit (in the example shown 30 km/h).



To increase the speed limit by single units, push the (RES+) control upward, to reduce it, push the (SET-) control downward. Keep the control pressed to obtain 5-unit increases or reductions of speed.




The new speed value is visualized in a message and on the related light during setting – it will disappear after 5 seconds of inactivity.



Speed Setting (CC)

Turn on the electronic Cruise Control function. When the vehicle has reached the desired speed, push downward the switch (SET-) and release it.

The green light  will illuminate on the instrument cluster and the related message will pop up for 5 seconds. Release the accelerator and the vehicle will operate at the selected speed.

NOTE:

The vehicle should be traveling at a steady speed and on level ground before pushing the switch downward.



When the electronic Cruise Control is set, you can increase cruise speed by pushing upward the switch (RES+). Keeping the switch pressed, the set speed will continue to increase until

the switch is released, then the new set speed will be maintained and memorized.

To decrease speed, push downward the switch (SET-). Keeping the switch pressed in the downward position, the set speed will continue to decrease until the switch is released. Release the switch when the desired speed is reached, and the new set speed will be maintained and memorized. Pushing the switch upward or downward once will enable to increase or decrease the set speed of 2,0 km/h (1.24 mph). Each subsequent tap of the switch will increase or decrease the speed of 2,0 km/h (1.24 mph).

Resume Speed (SL and CC)

To resume a previously set speed, push the (RES+) switch upward and release it. It is possible to do so at any driving speed, considering that it is possible to set a minimum speed of 30 km/h (19 mph).

Using CC Function on Hillsides

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

The CC function maintains set speed up and down hills. A slight speed change on moderate hills is normal.

On steep slopes, a greater speed loss or gain may occur so we recommend to disengage this function.



WARNING!

Electronic Cruise Control can be dangerous where the system cannot maintain a constant cruise speed. Your vehicle could go too fast for the conditions, and you could lose control and have an accident. Do not use electronic Cruise Control in heavy traffic or on roads that are winding, icy, snow-covered or slippery.



Tires - General Information

Tire Pressure

Proper tire inflation pressure is essential for safety and best performance of your vehicle. The tire pressure monitoring system “TPMS” setup on the vehicle (see “Tire Pressure Monitoring System” in this section) may alert the driver about insufficient tire pressure even though the driver is responsible for checking regularly the tire pressure.

Radial tires fitted on the vehicle may look properly inflated even when they actually are under inflated. Do not make a visual judgment when determining proper inflation. Three primary driving aspects are affected by improper tire pressure:

Safety



WARNING!

- **Improperly inflated tires are dangerous and can cause collisions.**
- **Under-inflation increases tire flexing and can result in tire overheating and failure.**
- **Over-inflation reduces a tire's ability**

to cushion shock. Objects on the road and chuckholes can cause damage that result in tire failure.

- **Over-inflated or under-inflated tires can affect vehicle handling and can fail suddenly, resulting in loss of vehicle control.**
- **Unequal tire pressures can cause steering problems. You could lose control of your vehicle.**
- **Unequal tire pressures from one side of the vehicle to the other can cause the vehicle to drift to the right or left.**
- **Always drive with each tire inflated to the recommended cold tire inflation pressure.**

Economy

Improper inflation pressures may cause uneven wear patterns to develop across the tire tread. These abnormal wear patterns will reduce tread life resulting in a need for earlier tire replacement. Under-inflation also increases tire rolling resistance resulting in higher fuel consumption.

Ride comfort and vehicle stability

Proper tire inflation contributes to a comfortable ride. Over-inflation

produces a jarring and uncomfortable ride.

Tire Pressure Checkup

The proper cold tire inflation pressure is indicated on the table “Tire Inflation Pressure” in section 8.

Inflation pressure specified on the label always refers to “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 1.6 km (1 mi) after a three hour period.

Check tire pressures more often in case of significant outside temperature changes, as tire pressure varies according to temperature changes.

The pressure should be checked and if necessary adjusted; tire wear and overall conditions should also be checked monthly. Tire pressures change by approximately 0.07 bar per 7°C of air temperature change. Keep this in mind when checking tire pressure inside a garage, especially in winter.

Example: If garage temperature = 20°C and the outside temperature = 0°C then the cold tire inflation pressure should be increased by 0.21



bar for every 7°C for this outside temperature condition. Tire pressure may increase from 0.13 to 0.4 bar during operation. **DO NOT** reduce this normal pressure build up or your tire pressure will be too low. 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 and the TPMS sensor connected to it.

Tread Wear Indicators

Tread wear indicators are in the original equipment tires to help you in determining when your tires should be replaced.

These indicators are molded into the bottom of the tread grooves. They will appear as bands when the tread depth becomes 1,6 mm (0.06 in).

When the tread is worn to one of the tread wear indicators, the tire should be replaced.



WARNING!

The wet performance (aquaplaning resistance) will decrease proportionally to the thickness of the tread.

Tires Durability

The service life of a tire depends on various factors including, but not limited to:

- driving style;
- tire pressure;
- distance driven.



WARNING!

Tires and the spare tire (if equipped) 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.

Replacement Tires

In order to maintain high performance and safety level under all driving conditions, Maserati strongly recommends to use tires equivalent to the originals in size, quality and performance when replacement is needed.

For the size designation of your tire see “Wheels” in section 8. The Load Index and Speed Symbol for your tire will be found on the original equipment tire sidewall.

NOTE:

Maserati recommends Maserati Genuine Tires marked with “MGT” logo specifically designed for its models.

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 assembly, make sure that the wheel’s specifications (valve, TPMS sensor and tire) match those of the original wheels. Failure to use equivalent replacement tires may adversely affect the safety, handling, and ride of your vehicle.

The **Maserati Service Network** is available to provide suggestions as to the types of tires most suited to the use foreseen by the Customer.



WARNING!

- **Do not use a tire, wheel size or rating other than that specified for your vehicle. Some combinations of unapproved tires and wheels may change suspension dimensions and performance characteristics, resulting in altered steering,**

(Continued)



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handling, and braking operations of the 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 appointed 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.
- Always check the maximum speed rating on the tire sidewall on any tire on the vehicle.
- Never exceed the maximum speed rating of the tires. Risk of accident and serious personal injury due to excessive speed.
- 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.

Winter Tires

These tires are specially designed for driving on snow and ice and are fitted to replace the ones supplied with the vehicle. Winter or all-season tires can be identified by the M+S (Mud & Snow) designation on the tire sidewall.

Before mounting snow tires, contact the **Maserati Service Network** to receive the technical information necessary to advise you on wheel and tire compatibility.

As to the type of tires to use, inflation pressures and winter tires specifications, carefully follow the indications as reported in the “Technical Data” and “Tire Inflation Pressure” chapters in section 8.

The features of these tires are markedly reduced in winter when tread depth is less than 4 mm. In this case, they should be replaced.

The specific features of winter tires lead to lower performance under

normal weather conditions or on long motorway trips, compared to the standard tires. Therefore, their use should be limited to the performance for which they have been type-approved.



WARNING!

The standard tires profile and rubber mixture are optimized for wet and dry driving conditions. Standard tires may not prove favorable for snow conditions: install snow tires before driving in such conditions to avoid risk of loss of control and damage to the vehicle as well as serious personal injury.

NOTE:

Snow tires should have the same load capacity as original equipment tires and should be mounted on all four wheels.

Snow Chains

The use of snow chains is specified by local regulations of each country. Use snow chains of reduced dimensions, with a maximum projection of 6 mm (0.23 in) beyond the tire tread.



The chains may be fitted only on 18" and 19" driving wheel tires. Check the chain tension after driving for a distance of about 50 m (55 yd) with the chains fitted. With the chains fitted, it is advisable to deactivate the ESC system (see chapter "Automatic Gearbox" in this section).



CAUTION!

- Broken chains can cause serious damage. Stop the vehicle immediately if noise occurs that could indicate chain breakage. Remove the damaged parts of the chain before further use.
- Do not exceed 50 km/h (30 mph).
- Drive cautiously and avoid severe turns and large bumps, especially with a loaded vehicle.
- Avoid holes in the road, do not drive over steps or sidewalks and do not drive on long stretches without snow. This will prevent damage to the vehicle and the roadbed.

NOTE:

Maserati provides on request spider version snow chains especially developed for this vehicle. This chains are easy to be fitted and can be removed quickly without damaging the wheel rims.

Compact Spare Tire (if provided)

The limited-use spare tire, or compact-spare tire, is for temporary emergency use only. This tire is identified by a label indicating the driving speed limitations to comply with when using the spare tire. Keep it inflated to the cold tire inflation pressure listed on the table "Tire Inflation Pressure" in section 8. Mounting the spare tire affects vehicle handling. Replace (or repair) as soon as possible the original equipment tire and reinstall it on the vehicle. Do not install more than one compact spare tire and wheel on the vehicle at a time.



WARNING!

With these compact spare tires, do not drive more than 80 km/h (50 mph). Temporary use spares have limited tread life.



Tire Pressure Monitoring System (TPMS)

The Tire Pressure Monitoring System (TPMS) will warn the driver of a low tire pressure according to the vehicle recommended cold pressure indicated on the table “Tire Inflation Pressure” in section 8.

The tire pressure will vary with temperature by about 0.07 bar for every 7°C (12°F). This means that when the outside temperature decreases, the tire pressure will decrease. Tire pressure should always be set based on cold inflation tire pressure. This is defined as the tire pressure after the vehicle has not been driven for at least three hours, or driven less than 1.6 km (1 mi) after a three hour period. The cold tire inflation pressure must not exceed the maximum inflation pressure molded into the tire sidewall. Check “Tires – General Information” in section 5 for information on how to properly inflate the tires.

The tire pressure will also increase as the vehicle is driven - this is normal and there is no adjustment required when this occurs.

The TPMS will warn the driver of a low tire pressure if the tire pressure falls below the low-pressure warning limit

for any reason, including low temperature effects and natural pressure loss of the tire.

The TPMS will continue to warn the driver of low tire pressure as long as the condition persists and will not turn off until the tire pressure is equal or above the recommended cold inflation pressure. Once the low tire pressure warning light (⚠) illuminates, you must increase the tire pressure to the recommended cold inflation pressure in order for the TPMS light (⚠) to turn off. The system will automatically update and the TPMS light (⚠) will turn off once the system acquires the correct tire pressure.

The vehicle may need to be driven for up to 20 minutes above 24 km/h (15 mph) in order for the TPMS to acquire and process the updated setting.

For example: If your vehicle (stationary for more than three hours) may have a recommended cold inflation pressure of 2.1 bar. If the ambient temperature is 20°C (68°F) and the measured tire pressure is 1.8 bar, a temperature drop to 7°C (12°F) will decrease the tire pressure to approximately 1.6 bar. This tire pressure is sufficiently low to turn ON the TPMS Light (⚠). Driving the vehicle may cause the tire pressure to

rise to approximately 1.8 bar, but the TPMS light (⚠) will still lit. In this situation, the TPMS light (⚠) will turn OFF only after the tires are inflated to the vehicle’s recommended cold inflation pressure value.





WARNING!

The TPMS warns the driver that the tire pressure has decreased. This warning does not exempt the driver from periodically checking the tires and from complying with the prescribed tire pressure levels.



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 occur when using replacement equipment that is not of the same size, type, and/or style. Aftermarket wheels can cause sensor damage. Do not use aftermarket tire sealants or balance beads if your vehicle is equipped with a TPMS, as damage to the sensors may result.
- The system can temporarily experience radio-electric interference emitted by devices using similar frequencies.

- After inspecting or adjusting the tire pressure, always reinstall the valve stem cap. This will prevent moisture and dirt from entering the valve stem and damage the TPMS internal sensor.

NOTE:

- *Driving on a significantly underinflated tire causes the tire to overheat and may lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.*
- *The TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure using an accurate tire pressure gauge, even if under-inflation has not reached the level to trigger illumination of the TPMS light (⚠).*
- *Seasonal temperature changes will affect tire pressure, and the TPMS will monitor the actual tire pressure in the tire.*

Premium System

The TPMS system 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.

The TPMS consists of the following components:

- receiver module;
- four TPMS sensors;
- various TPMS messages, which display on the instrument cluster;
- warning light (⚠).

Tire Pressure Low Warning

The TPMS light (⚠) will illuminate in the instrument cluster and an acoustic signal will notify that tire pressure is low in one or more of the four tires.



The instrument cluster will also display a screenshot reporting the pressure values of each tire with flashing low pressure value.



Should this occur, you should stop as soon as possible and inflate the tire/s with the low pressure (the one/s flashing in the instrument panel graphic) to the recommended cold pressure inflation value indicated on the label. Once the system receives the updated tire pressure value, the system will automatically update, the graphic display in the instrument panel will stop flashing, and the TPMS light (⚠) will turn off. The vehicle may need to be driven for up to 20 minutes above 24 km/h (15 mph) in order for the TPMS to acquire and process the updated information.

“Service Tire Pressure System” Warning

If a system fault is detected, the TPMS light (⚠) will flash for 75 seconds and then remain lit followed by a beeping sound. Therewith, the instrument

cluster will display a "Service Tire Pressure System" message for a minimum of five seconds and then display dashes (--) in place of the pressure value to indicate which sensor is ineffective.

If the ignition switch is cycled, the sequence will repeat, in case the system fault still persists. If the system fault no longer exists, the TPMS light (⚠) will no longer flash, and the "Service Tire Pressure System" message will no longer display, and a pressure value will display in place of the dashes.

A system fault can occur due to any of the following:

- Signal interference due to electronic devices or driving next to facilities emitting the same radio frequencies as the TPMS sensors.
- Installing aftermarket window tinting that contains materials that may block radio wave signals.
- Accumulation of snow or ice around the wheels or wheel housings.
- Using tire chains on the vehicle.
- Using wheels/tires not endowed with TPMS sensors.

The instrument cluster will also display a "Service Tire Pressure System" message for a minimum of five

seconds when a system fault related to an incorrect sensor location fault is detected. In this case, the "Service Tire Pressure System" message is then followed with a graphic display with pressure values still shown. This indicates that the pressure values are still being received from the TPMS sensors but they may not be located in the correct vehicle position. The system still needs to be serviced as long as the "Service Tire Pressure System" message is displayed.





Vehicles with Compact Spare Tire

- The compact spare tire does not have a TPMS sensor. Therefore, the TPMS will not monitor the pressure of the compact spare tire.
- If you replace a pneumatic having pressure below the low-pressure warning limit, with the compact spare tire, on the next ignition switch cycle, the TPMS light (⚠) will illuminate followed by a beeping sound. In addition, the graphic in the instrument cluster will still display a flashing pressure value corresponding to the compact tire position.

- After driving the vehicle for up to 20 minutes above 24 km/h (15 mph), the TPMS light (⚠) will flash for 75 seconds and then remain lit. The instrument cluster will then display a "Service Tire Pressure System" message for a minimum of five seconds and then displays dashes (--) in place of the pressure value.
- Each subsequent ignition switch cycle, will be followed by a beeping sound, the TPMS light (⚠) will flash for 75 seconds and then remain lit. The instrument cluster will then display a "Service Tire Pressure System" message for a minimum of five seconds and subsequently displays dashes (--) in place of the pressure value.

- Once you repair, replace or reinstall a tire with the compact spare tire, the TPMS will update automatically. The TPMS light (⚠) will turn OFF and the graphic in the instrument cluster will display a new pressure value instead of dashes (--), as long as no tire pressure is below the low-pressure warning limit in any of the four tires. The vehicle may need to be driven for up to 20 minutes above 24 km/h (15 mph) in order for the TPMS to acquire and process the updated information.

TPMS Deactivation

The TPMS can be deactivated if replacing all four tire rims with wheel and tire assemblies free of TPMS sensors, such as winter wheel and tire assemblies. After replacing all four wheel and tire assemblies (road tires)



with tires not endowed with Tire Pressure Monitoring System sensors, drive the vehicle for 20 minutes above 24 km/h (15 mph). The TPMS will chime, the TPMS light (⚠) will flash on and off for 75 seconds and then remain on and the instrument cluster will display the “Service Tire Pressure 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 Tire Pressure System” message in the instrument cluster but dashes (--) will remain in place of the pressure values.



To reactivate the TPMS, replace all four wheel and tire assemblies (road tires) with tires endowed with TPMS sensors. Then, drive the vehicle for up to 20 minutes above 24 km/h (15 mph). The TPMS will chime, the

TPMS light (⚠) will flash for 75 seconds and then turn off. The instrument cluster will then display the “Service Tire Pressure System” message. The instrument cluster will also display pressure values in place of the dashes (--). On the next ignition switch cycle the “Service Tire Pressure System” message will no longer be displayed as long as no system fault exists.



Fuel Requirements

Fuel Requirements - Gasoline Engines

The engines are designed to meet all environmental regulations and provide excellent fuel economy and performance when using high-quality unleaded gasoline with a minimum octane rating of 95.

Light spark knock at low engine speeds is not harmful to your engine. However, continued heavy spark knock at high speeds can cause damage, and immediate service is required.

Poor quality gasoline can cause problems such as hard starting, stalling, and hesitations. If you experience these symptoms, try another brand of gasoline before considering service for the vehicle at the **Maserati Service Network**. Over 40 auto manufacturers worldwide have issued and endorsed consistent gasoline specifications (the World Wide Fuel Charter, WWFC) which define fuel properties necessary to deliver enhanced emissions, performance, and durability for your vehicle.



Maserati recommends the use of gasoline that meets the WWFC specifications if they are available. Besides using unleaded gasoline with the proper octane rating, gasoline that contain detergents, anti-corrosion and stability additives are recommended. Using gasoline that have these additives may help improve fuel economy, reduce emissions, and maintain vehicle performance.



CAUTION!

The anti-pollution devices of the vehicle require unleaded fuel to be used at all times. Under no circumstance, not even in an emergency, should leaded fuel be supplied to the fuel tank, not even a minimum quantity. This would irreparably damage the catalytic converters. An inefficient catalytic converter results in noxious exhaust emissions which damage the environment.

Gasoline Containing Alcohol & Ethers (Oxygenated Fuels)

Some fuels in some geographical areas, contain "oxygenates" which are usually alcohols or ethers. The fuel station service pumps with oxygenated

fuels must be clearly marked indicating use of alcohols or ethers. Please be aware that in some geographic areas fuel stations may have fueling pumps that are unmarked. If you are not sure if the fuel you will be dispensing into your vehicle contains alcohol or ethers, ask the fuel service station operator or change station.



CAUTION!

Some geographic areas, require the use of "oxygenated" fuels to meet seasonal air quality standards.

- Alcohol - Ethanol: Fuels containing **ONLY** up to 10% ethanol by volume may be used (ethanol may also be referred to as Ethyl alcohol, or "Gasohol").
- Ethers - MTBE: Fuel containing **ONLY** up to 15% MTBE may be used. Do not use any gasoline that contains lead as a knock inhibitor, and **DO NOT** use lead additives.

The use of detergent gasoline is effective in minimizing fuel injector and intake valve deposits.

The use of external fuel injector

cleaning systems/fluids is **NOT** recommended.

MMT in Gasoline

MMT (Methylcyclopentadienyl Manganese Tricarbonyl) 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. Maserati recommends that gasoline **without** MMT to be used in your vehicle.

The MMT content of gasoline may not be indicated on the gasoline pump; therefore, you should ask the gasoline station operator whether or not the gasoline contains MMT.

Fuel Requirements — Diesel Engine

Use good quality diesel fuel from a reputable supplier. If the vehicle is exposed to extreme cold (below $-7^{\circ}\text{C}/20^{\circ}\text{F}$), or is required to operate at colder than normal conditions for prolonged periods, use climatized No. 2 diesel fuel or dilute the No. 2 diesel fuel with 50% No. 1 diesel fuel. This will provide better protection from



fuel gelling or wax-plugging of the fuel filters.

This vehicle must only use “Premium Diesel” fuel that meets the requirements of EN 590 (as reported on the label applied inside the fuel filler door). Biodiesel blends that meet EN 590 may also be used.



CAUTION!

The manufacturer requires that you must fuel this vehicle with Ultra Low Sulfur Highway Diesel fuel (15 ppm Sulfur maximum) and prohibits the use of Low Sulfur Highway Diesel fuel (500 ppm Sulfur maximum) to avoid damage to the emissions control system.





WARNING!

Do not use alcohol or gasoline as a fuel blending agent. They can be unstable under certain conditions and hazardous or explosive when mixed with diesel fuel.

Diesel fuel is seldom completely free of water. To prevent fuel system trouble, drain the accumulated water from the fuel/water separator using the fuel/water separator drain

provided. If you buy good quality fuel and follow the cold weather advice above, fuel conditioners should not be required in your vehicle. If available in your area, a high cetane “premium” diesel fuel may offer improved cold-starting and warm-up performance.

Refueling

To access the fuel filler neck, the filler door must be unlocked. From outside the vehicle, this can only be done by pressing the unlock  or the lock  button on the key fob RKE transmitter, in the same way as if opening or closing the doors. If any of the door lock controls is pressed from inside the vehicle, the filler door will still remain open to allow refueling. Once the fuel filler door is unlocked, proceed as follows:


- Press the indicated area on the filler door, which is located on the rear left side of the vehicle: the filler door will open completely.
There is no fuel filler cap. A flapper door inside the filler seals the system.
- Insert the fuel nozzle fully into the filler – the nozzle opens and holds the flapper door while refueling.

NOTE:

Only the correct size nozzle opens the latches allowing the flapper door on the fuel filler to open.



filler door is open or the tank is being filled.

- **Never add fuel when the engine is running. This violates most anti-fire regulations and may cause the malfunction indicator light  to turn on (see "Instrument Cluster" in section 4).**

Fill the vehicle with fuel. Fuel tank capacity is indicated in the "Refillings" table in section 8.

When the fuel nozzle "clicks" or shuts off, the fuel tank is basically full: it is possible to further ensure refueling by enabling the fuel nozzle additional fuel supply until twofold clicks. After the two additional clicks, the amount of fuel allowed by the system is very low, we recommend therefore not to persist further.

Wait approximately 10 seconds before removing the fuel nozzle in order to ensure completed supply of residual fuel and restrict the risk of fouling the fuel filler door area.



Remove the fuel nozzle and close the fuel filler door.



CAUTION!

- **To avoid fuel spillage and overfilling, do not "top off" the fuel tank after**

filling.

- **Diesel only: the presence of water inside the fuel system can damage the injection system and cause engine's malfunction. If the  warning light turns on, you shall contact the Maserati Service Network as soon as possible to have the fuel filter cleaned. If, after a refueling, the  warning light turns on, it may be that some water has entered the fuel tank: in this case, turn off the engine immediately and contact the Maserati Service Network.**

Emergency refueling funnel

A funnel is provided (in the boot in the spare tire area) for emergency refueling with a gas can.



WARNING!

- **To avoid the risk of fire, do not approach the filler with open flames or cigarettes!**
- **To avoid the risk of inhaling noxious fumes, do not breathe close to the fuel filler door, when opened.**
- **Never have any smoking materials lit in or near the vehicle when the fuel**

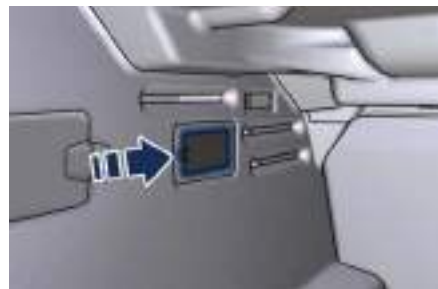
**WARNING!**

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 and outside the vehicle while filling.

Emergency Fuel Filler Door Release

If you are unable to unlock the fuel filler door using the key fob RKE transmitter, then use the fuel filler door emergency release fitted in the boot.

- Open the boot lid (see “To enter the Boot” in section 2).
- Lift the access cover on the left side of the boot compartment.



- Pull the release cable moderately to avoid its possible break. It's not possible to feel or hear the unlocking of the fuel filler door actuator.



- Then open normally the fuel filler door.



Driving Conditions

Before the Trip

Check the following at regular intervals and always before long trips:

- tire pressure and condition;
- levels of fluids and lubricants;
- conditions of the windshield wiper blades;
- clean the glass on the external light and all other glass surfaces;
- proper operation of the warning lights and of the external lights.



CAUTION!

It is however advisable to perform these checks at least every 1000 km (600 mi) and always following the maintenance schedule reported in section 7.

Before you drive:

- adjust seat position, steering wheel, adjustable pedals (if equipped with) and rear-view mirrors in order to have the best driving position;
- ensure that nothing (mat covers, etc.) is obstructing the pedals movement;
- carefully arrange and secure any objects in the boot, to prevent them

to move forward in case of sudden stops;

- avoid heavy meals before a trip. A light snack helps keep your reflexes sharp. In particular, avoid drinking alcohol.



WARNING!

Beyond being prohibited by law, it is extremely dangerous to ride inside the boot or on the front lid. In the event of an accident, passengers sitting here are more exposed to the risk of serious injury. Passengers must only travel seated in the vehicle seats, with the seat belts fastened. Always check that the driver and all passengers have the seat belts correctly fastened.

Safe Driving

Although the vehicle is equipped with active and passive safety devices, the driver's conduct is always a decisive factor for road safety.

Some simple rules for travelling safely in different conditions are listed below. Some of them will probably already sound familiar but, in any case, it would be useful to read them carefully.

Driving at Night

The main guidelines to follow when driving at night are set out below.

- Drive carefully. Night conditions demands more focus and attention.
- Reduce your speed, especially on roads with no streetlights.
- Stop at early signs of drowsiness. Continuing to drive would be a risk for yourself and for others. Have a rest before continuing your trip.
- Keep the vehicle at a greater distance from vehicles in front of you than you would during the day: it is difficult to assess the speed of other vehicles when you only see the lights.
- Check that the headlights are correctly adjusted: if they are too low, they reduce visibility and strain the eyes. If they are too high, they may bother the other drivers.
- Use the high beams only outside of densely-populated areas and when you are sure that they will not disturb other drivers.
- When another vehicle is approaching, switch from high beams (if on) to low beams.
- Keep lights and headlights clean.



- Outside of densely-populated areas, beware of animals crossing the road.

Driving in the Rain

Rain and wet roads are dangerous. On a wet road all manoeuvres are more difficult since wheel grip on the asphalt is significantly reduced. This means that the braking distances increase considerably and the road grip decreases.

Some advices for driving in the rain are listed below.

- Reduce your speed and keep a greater safety distance from the vehicles in front of you. High speed may result in a loss of vehicle control.
- When driving on wet or slushy roads, it is possible for a wedge of water to build up between the tire and road surface. This is known as aquaplaning and may cause partial or complete loss of vehicle control and stopping ability. To reduce this possibility: slow down if the road has standing water or puddles.
- Heavy rain substantially reduces visibility. In these circumstances, even during the day, turn on the low beams, to be more visible to other drivers.

- Set the air conditioning and heating system controls on the demisting function, in order to avoid any visibility problem.
- Periodically check the conditions of the windscreen wiper blades.
- In low grip conditions use I C E driving mode (see chapter “Automatic Gearbox” in this section).

Driving in Fog

If the fog is dense, avoid travelling if possible.

When driving in mist, blanket fog or when there is the possibility of banks of fog, please consider some advices listed below.

- Keep a moderate speed.
- Even in daytime, turn on the low beams and rear fog lights. Do not use the high beams.
- Remember that fog creates dampness on the asphalt and thus any type of manoeuvre is more difficult and braking distances are extended.
- Keep a safe distance from the vehicle in front of you.
- Avoid sudden changes in speed as much as possible.

- Whenever possible, avoid overtaking.
- If you are forced to stop the vehicle (breakdowns, impossibility of proceeding due to poor visibility, etc.), first of all, try to stop off of the travel lane. Then turn on the hazard warning lights and, if possible, the low beams.
- Sound the horn rhythmically if you hear another vehicle approaching.



CAUTION!

Be aware that rear fog lights can bother the drivers following your vehicle: when visibility is back to normal, turn off these lights.

Driving in the Mountains

Mountain roads usually have many narrow turns and curves, tunnels and steep uphill or downhill slopes: please consider some advices listed below.

- Drive at a moderate speed, avoid “cutting” corners.
- When driving inside a tunnel in daylight turn on the low beams in advance; avoid high beams and be aware of the rapid brightness change. Avoid abrupt manoeuvres



that could be dangerous for the following vehicle.

- Never coast downhill with the engine off or in neutral.
- Remember that passing other vehicles when driving uphill is slower and thus requires more free distance on the road. If you are being overtaken on a hill, slow down and allow the other vehicle to pass.

Driving on Snow or Ice

Please consider some general advice for driving in these conditions, listed below.

- Maintain a very moderate speed.
- Fit snow chains or specific tires if the road is covered with snow: see the paragraphs “Tires – General Information” in this section.
- We recommend you to activate the I C E mode (see chapter “Automatic Gearbox” in this section).
- During the winter season, even apparently dry roads can have icy sections. Be careful when crossing bridges, viaducts and roads that have little exposure to the sun and are bordered by trees and rocks. They may be icy.
- Keep an ample safe distance from the vehicles in front of you.

- Avoid sharp braking, sharp changes in direction and rapid acceleration. Rapid acceleration on snow covered or icy surfaces may cause the driving wheels to pull erratically to the right or left. This phenomenon occurs when there is a difference in the surface traction under the rear (driving) wheels.



WARNING!

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

Driving through Flooded Sections

Driving through more than a centimeters deep shallow standing water section will require extra caution to ensure passenger safety and prevent damage to your vehicle.



WARNING!

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

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



CAUTION!

- Always check the depth of the standing water before driving through it. Never drive through standing water that is deeper than the bottom of the tire rims mounted on the vehicle.
- Determine the condition of the road or the path that is under water and if there are any obstacles in the way

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before driving through the standing water.

- Do not exceed 8 km/h (5 mph) when driving through standing water. This will minimize wave effects.
- Driving through standing water may cause damage to your vehicle drivetrain components. After driving through standing water, do not drive if you are not sure about drivetrain condition. Such damage is not covered by the New Vehicle Warranty.
- Getting water inside your vehicle engine can cause it to lock up and stall out, and cause serious internal damage to the engine. Such damage is not covered by the New Vehicle Warranty.
- After driving through standing water always have the fluids (engine oil, gearbox oil, etc) checked for contaminations at a **Maserati Service Center**.



WARNING!

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





6 – *In an Emergency*

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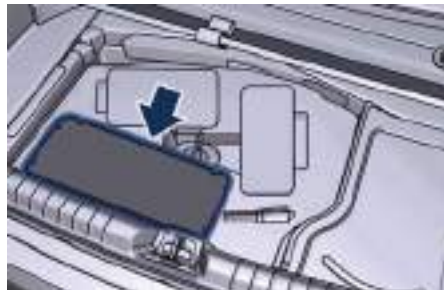


Tool Kit

The tool kit and other first aid equipment are relocated in the boot and are available by lifting the ground coverage.

The tool kit includes following tools:

- 8/10 mm open end wrenches;
- 13/17 mm open end wrenches;
- double slot + cross-head screwdriver;
- tow hook;
- pincer for wheel stud caps extraction (where provided);
- tool for electric parking brake actuator release.



Beside the tool kit the vehicle is also equipped with the following tools:

- “TIREFIT” repair kit or a compact spare wheel according to target markets. The compact spare wheel is fully provided with electric compressor box, jack and tools for fitting the compact spare wheel, located inside the compact spare wheel itself;
- funnel for emergency supply.

Hazard Warning Flashers

The hazard warning flasher switch is located in the center of the dashboard under the MTC display.

Press the switch to turn on the hazard warning flashers to warn oncoming traffic of an emergency. When these lights illuminate, the direction indicators, the related warning lights on the instrument cluster and the button start flashing.

Press the switch a second time to turn off the hazard warning flashers.

This is an emergency warning system and it should not be used when the vehicle is in motion. Use it when your vehicle is disabled and it is creating a safety hazard for other motorists.

When you must leave the vehicle to seek assistance, the hazard warning flashers will continue to operate even though the ignition is placed in the **OFF** position.

**CAUTION!**

- When the hazard warning lights are activated, the direction indicators control is disabled.
- With extended use the hazard warning flashers may wear down your battery.



In the Event of an Accident

It is important always to keep calm.

- If not directly involved, stop at a safe distance of at least ten meters away from the accident area.
- If on a motorway, stop without obstructing the emergency lane and be especially careful if you need to exit the vehicle.
- Turn off the engine and switch on the hazard lights.
- At night, illuminate the accident area with the headlights.
- Always act with caution to avoid the risk of being crashed into by other drivers.
- Indicate that an accident has occurred by placing the emergency triangle in a well visible position and at the prescribed distance.
- Call the emergency services, providing as much information as possible. On the motor way, use the special call boxes.
- Remove the ignition key (if present) from the vehicles involved.
- If fuel or other chemical products can be smelled, do not smoke and

ask people around you to put their cigarettes out.

- To extinguish fires, even small ones, use a fire extinguisher, blankets, sand or earth. Never use water.
- In multiple accidents occurred on motorways, particularly where visibility is poor, there is a high risk of being involved in other collisions. Leave the vehicle immediately and move away from the area.

In case of Injured Persons

- Never leave the injured person alone. Persons not directly involved in the accident are also required to give assistance.
- Do not crowd around injured persons.
- Reassure the injured person that help is on the way and stay close to them to assist them to avoid possible panic attacks.
- Release or cut the seat belts restraining the injured persons.
- Do not give the injured persons anything to drink.
- Never move an injured person.
- Remove the injured person from the vehicle only in emergency situation,



e.g. if there is a risk of fire, sinking in water or falling down into a pit.

- When removing an injured person, do not pull his/her limbs, never bend his/her head and, as far as possible, keep his/her body in a horizontal position.

Emergency Kit (for versions/markets where provided)

The Emergency Kit provides first aid in case of a car breakdown or any other situation. The kit comes in a case on the left side of the boot compartment. The kit includes the following elements:

- emergency triangle;
- reflective emergency vest;
- luminescent pipes providing chemical lights;
- dynamo torch;
- First Aid Kit;
- gloves;
- ice scraper;
- box with spare lamps and fuses.

NOTE:

- *The items inside the kit could change according to different countries' regulations.*

- *Upon request, a potassium-based fire suppressor same size and weight as a standard electric torch can be included. It ensures a higher effectiveness compared with conventional 10-kilo fire extinguishers and preventing damage to hides and rugs.*

First Aid Kit

For versions/markets, where provided, a first aid kit is available in the right side of the boot compartment.

This kit contains following:

- sterile gauze to cover and clean the wounds;
- bandages of various sizes;
- treated adhesive bandages of various sizes;
- an adhesive bandage strip;
- a pair of rounded-end scissors;
- gloves;
- rescue blanket.

Engine Overheating

To reduce potentially overheating of the engine in city traffic, while stationary, place the transmission in N (Neutral), but do not increase the engine idle speed.

NOTE:

There are steps that you can take to slow down an impending overheat condition:

- *If your air conditioner (A/C) is on, turn it off. The A/C system adds heat to the engine cooling system and turning the A/C off can help remove this heat.*
- *You can also turn the temperature control to maximum heat, the mode control to floor and the blower control to high. This allows the heater core to act as a supplement to the radiator and aids in removing heat from the engine cooling system.*



CAUTION!

Driving with a hot cooling system could damage your vehicle. If the temperature gauge reads "H" (refer to "Instrument Cluster" in section 4), pull

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over and stop the vehicle. Idle the vehicle with the air conditioner turned off until the temperature gauge drops back into the normal range. If the temperature gauge remains on the "H," turn the engine off immediately and contact the **Maserati Service Network**.



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 engine lid, do not open it until the radiator has had time to cool. Never try to open a coolant bottle pressure cap (refer to "Maintenance Procedures" in section 7) when the radiator is overheated.

In case of a Punctured Tire

The vehicle can be equipped with a "TIREFIT"-kit or with a compact spare wheel, depending on the destination markets.

Using "TIREFIT" Kit

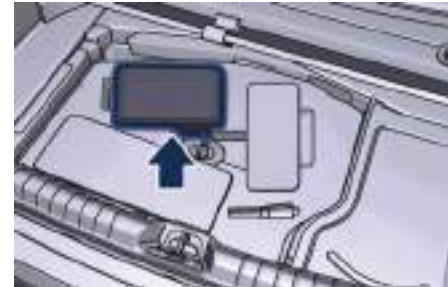
Small punctures up to 6 mm (1/4") in the tire tread can be sealed using the "TIREFIT" kit, fitted beneath the ground coverage of the boot compartment. This kit will provide a temporary tire seal, allowing you to drive your vehicle up to 160 km (100 miles) with a maximum speed of 90 km/h (55 mph).



CAUTION!

- Intruding objects (e.g., screws or nails) should not be removed from the tire, which could compromise the repair of "TIREFIT".
- Do not use the "TIREFIT" kit if the tire shows lateral damages and/or the rim is damaged by driving with flat tire.
- "TIREFIT" can be used in outside temperatures down to approximately -20°C (-4°F).

- Replace the "TIREFIT" sealant bottle prior to the expiration date (printed on the bottle label) to assure optimum operation of the system.



NOTE:

- The compressor power plug can be inserted either in the 12 V power outlet housed in the boot or inside the passenger compartment (see "Interior Features" in section 3).
- For the tire repair procedures with "TIREFIT" see instructions included in the kit.
- When having the tire serviced, advise the Maserati dealer or service center that the tire has been sealed using the "TIREFIT" service kit.



Using the Compact Spare Wheel

The compact spare wheel is stored in the boot and is supplied deflated in order to limit the amount of space occupied. An electric compressor is also provided for inflating. In the event of a tire puncture, proceed as follows.

- Stop the vehicle in a place that does not constitute a danger to traffic and where the wheel can be changed safely. The vehicle must be level and on firm ground.
- Select the P (Park) mode and then engage manually the electric parking brake and move the ignition switch to OFF position.
- If necessary, turn the hazard warning lights on and place the warning triangle at the required distance.



WARNING!

- The jack should be used on level firm ground wherever possible.
- It is recommended that the wheels of the vehicle be chocked, and that no person should remain in a vehicle that is being jacked.
- If the vehicle has been stopped on a slope or an uneven surface, place

chocks or other suitable items in front of or behind the wheels to stop the vehicle from moving.

- Never start or run the engine with the vehicle on a jack.
- No person should place any portion of their body under a vehicle that is supported by a jack.
- Lift the ground coverage of the boot compartment.
- Remove the tool kit.



- Take the tools for changing the wheel from the container.



- Unscrew and pull out the locking wheel knob.



- Take the container and the compact spare wheel out of the boot. Container inserted in the compact spare wheel contains:
 - an electric compressor, complete with pressure gauge and fitting for inflating the compact spare wheel;



- a telescopic spanner with rubber coated handle for unscrewing/ tightening the wheel bolts;
- an adapter to be fitted to the spanner for the wheel nuts;
- a jack.
- Lift the compressor cover and remove the hose with the pressure gauge and the cable with a plug for the power outlet.
- Unscrew the valve cap of the compact spare wheel and screw the fitting of the inflation hose onto the valve.
- Insert the plug in one of the available power outlets fitted in the boot compartment or cabin.
- Turn the compressor on by pressing the switch.
- Stop the compressor pressing switch again, when the pressure indicated by the gauge reaches the recommended level (see "Tire Inflation Pressure" in section 8) and screw the cap on the compact spare wheel valve.



- In order to obtain a more accurate reading, the compressor should be switched off when checking the tire pressure of the compact spare wheel on the pressure gauge.
- Do not run the compressor for more than 20 minutes: there is a risk it could overheat. Also, prolonged power absorption may discharge the battery, subsequently preventing the engine from starting.
- The compressor has been designed exclusively to inflate compact spare wheels; do not use it to inflate air mattresses, dinghies etc.
- Remove the center cover of the wheel rim (if foreseen) levering into

the provided groove on the outer ledge of the cover.

- Fit the adapter on the spanner. Extend the spanner as shown, then loosen by approximately one turn, the five bolts on the wheel to be changed.
- Place the jack near the wheel to be changed as illustrated.
- Make sure that the head of the jack is correctly inserted in one of the slots beneath the sole bar.



WARNING!

The lifted vehicle may fall and damage the vehicle's body if the jack is not positioned correctly.





- Turn the jack lever until the wheel is raised a few centimeters off the ground.
- Completely unscrew the five bolts and remove the wheel.
- Fit the compact spare wheel with the valve stem facing outward, securing it with the five bolts previously removed.
- Turn the lever of the jack to lower the vehicle and remove the jack.

- Fully tighten the bolts, alternately tightening diametrically opposite.



WARNING!
To avoid the risk of forcing the vehicle off the jack, do not tighten the wheel bolts fully until the vehicle has been lowered. Failure to follow this warning may result in personal injury.



- WARNING!**
- The spare wheel is narrower than standard wheels and must only be used to travel the distance required to reach a service station, where the punctured tyre can be repaired or replaced.
 - Do not exceed a maximum speed of 80 km/h (50 mph) when using the compact spare wheel; when this limit is exceeded, the stability, road holding and braking of the vehicle will be compromised. Avoid accelerating to full speed, heavy braking and fast cornering.
 - The compact spare wheel must be inflated to the recommended tire pressure (see "Tire Inflation Pressure" in section 8).

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- For safety reasons, it is absolutely forbidden to drive with more than one compact spare wheel fitted on the vehicle.
- Snow chains cannot be fitted on the compact spare wheel.
- The spare wheel can travel a maximum of 3000 km (1800 mi).

To Refit the Standard Wheel with Repaired or Replaced Tire

- Following the procedure and the caution described above, raise the vehicle and remove the compact spare wheel reusing the supplied spanner with adapter, suitably extended.
- Fit the standard wheel with repaired or replaced tire.
- Tighten the original bolts on the wheel.
- Lower the vehicle and remove the jack.
- Fully tighten the bolts, alternately tightening diametrically opposite.



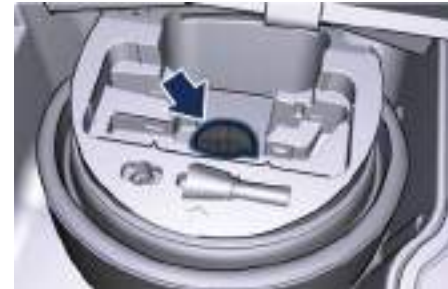
WARNING!

Observe the tightening torque for the bolts securing the wheels ($98 \pm 10 \text{ Nm}$ / $72.3 \pm 7 \text{ lb/ft}$). This is equivalent to a load of approximately 20 kg (44 lb) being placed on the handle of the spanner supplied when extended for use.

- Reassemble the center cover (if foreseen) on the wheel rim.

Once finished:

- completely deflate the compact spare wheel by pressing on the valve with the overhang of the valve cap;
- place the compact spare wheel and tool container in the boot;
- fix everything in place with the locking knob;



- place the compressor, the jack, the spanner and the adapter in the container inside the compact spare wheel;



- reposition the tool kit;
- lower the ground coverage at the bottom of the boot compartment.

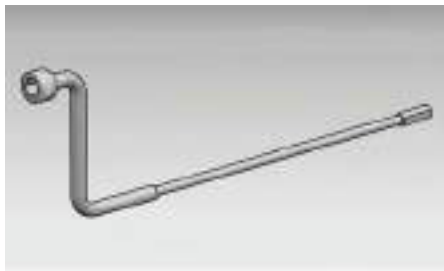


Emergency Release of the Parking Brake

In the event the electric parking brake locks due to a total system failure (see "Parking Brake" in section 5), you need to release the parking brake by following one of the two following procedures in order to operate the vehicle.

Manual Release

To manually release the parking brake, it is necessary to use the special tool provided with the toolkit placed in the boot (see "Tool Kit" in this section).

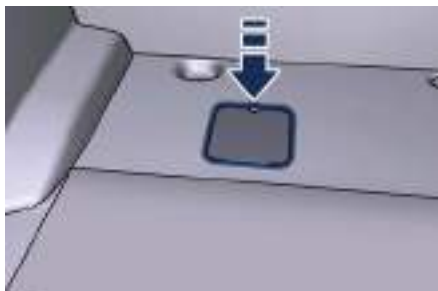


To release the brake manually, open the boot lid (see "To enter the Boot" in section 2) and proceed as follows:

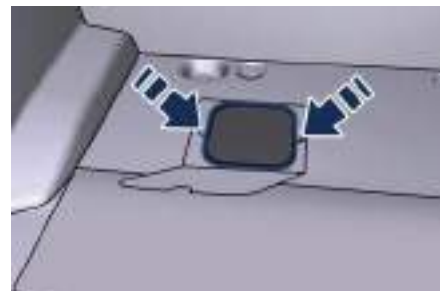
- Lift the front edge of the boot carpet releasing the two buttons indicated and fold it back.



- Lift the flap of the floor covering as indicated.



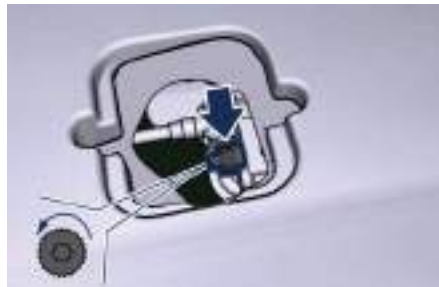
- Remove the underneath sound-absorbing layer, leveraging the two side grips.



- Remove the rubber inspection cover by pulling its tab in order to locate the actuator that controls the lock and unlock system of the parking brake.



- Remove the protective cap by unscrew it counterclockwise using the hexagonal socket end of the special tool.



- Insert the hex tip of the flexible part of the special tool, inside the disclosed section.
- Turn the handle of the special tool clockwise until release.



- Remove the special tool from its seat and seal with the cap.
- Reassemble all parts removed for this operation.

Release after Battery Disconnection

The following maneuver does not allow the full release of the parking brake but still allows to move the vehicle, as eg. to load it on rescue vehicles.

- Within 3 minutes after power off (ignition device **OFF**), reconnect the battery.
- Turn the ignition switch in **RUN** position.
- Press the brake pedal by raising contemporarily the EPB control for 5 seconds: the brake cables will loosen enabling the vehicle to be moved.



WARNING!

After each emergency release, the **(!) warning light and related break-down message will light up and display on the instrument cluster. The electric parking brake system remains inefficient and must be repaired by the Maserati Service Network to resume operation.**

Gearbox Manual Release of P (Park) Position

The manual disengagement of the shift from P (Park) has the purpose to allow pushing or towing the vehicle if not normally possible using the shift lever (such as inability to start the engine).

The current device is exclusively intended for emergency situations, but not for frequent use.

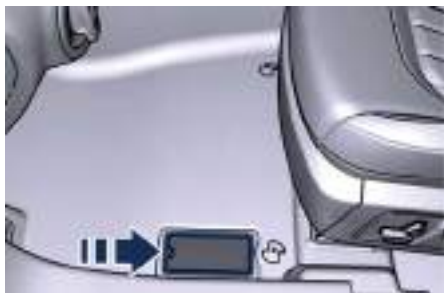


WARNING!

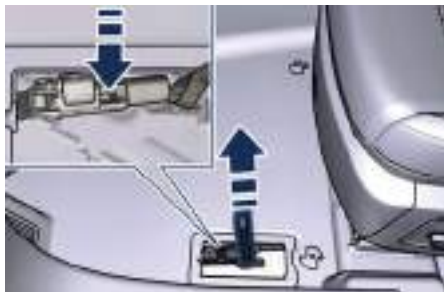
Always secure your vehicle by fully applying the parking brake, before activating the manual park release. Activating the manual park release will allow your vehicle to roll away if it is not secured by the parking brake. Activating the manual park release on an unsecured vehicle could lead to serious injury or death for those in or around the vehicle.

The lace that allows the emergency manual park release is located on the left part of the driver's foot well.

- Lift the mat on the driver side to access the lace.



- Slip the lace from its seat.
- With the tip of a screwdriver press the clip shown in the picture box and lift the lace up to release the transmission from the P (Park) position. The new position will allow vehicle towing.
- Release the parking brake only when the vehicle is securely connected to a tow vehicle.




Freeing the Stuck Vehicle

If your vehicle is stuck in mud, sand, or snow, it can probably be moved by a simple rocking motion.

Steer the wheel right and left to clear the area around the front wheels. Shift then between D (Drive) or M (Manual) and R (Reverse) (see chapter "Automatic Gearbox" in section 5). Shifting to M (Manual), try to free the car starting in second gear. At low speed motion of the vehicle, you can switch quickly from D (Drive) to R (Reverse), and vice versa, just by pressing the release button on the gear lever.

For more effectiveness press lightly on the accelerator pedal in order to avoid driving wheel slippage.

If unable to release the vehicle in one of the previously described ways, enter the low grip driving mode, by pressing the ICE, and completely exclude the yaw and slip control system, by pressing the  button for 2 seconds. Moving the shift lever between D (Drive) and R (Reverse) to start.

Notes for AWD vehicle models

On these vehicles slippage produced by low grip conditions, automatically activates the AWD mode. Using the drive mode M (Manual), the insertion

of AWD will happen immediately when engaging a forward gear.



CAUTION!

Racing the engine or spinning the drive wheels may lead to transmission overheating and failure. Allow the engine to idle with the shift lever in N (Neutral) for at least one minute after every five rocking-motion cycles. This will minimize overheating and reduce the risk of transmission failure during prolonged efforts to free a stuck vehicle.



WARNING!

Fast spinning tires can be dangerous. Forces generated by excessive drive wheel speeds may cause damage, or even failure, of the drivetrain and tires. A tire could explode and injure someone. Do not spin your vehicle's wheels continuously without stopping when you are stuck and do not let anyone near a spinning wheel, no matter what the speed.



Auxiliary Jump-Start Procedure

If your vehicle has a discharged battery it can be jump-started using a set of jumper cables and a battery of another vehicle or by using a portable battery booster. It is necessary to have proper jumper cables in order to connect the booster battery to the remote posts of the discharged battery. Booster cables have usually positive and negative terminal clamps and are identified by a different from the sheath color (red = positive, black = negative). Maserati provides on request jumper cables created for its models and content in a practical case. 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 battery manufacturer's operating instructions and precautions.



CAUTION!

- To jump start a 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 of the vehicle with the discharged battery may occur.

- Do not use a battery charger for emergency starting under any circumstances. You could damage the electronic systems, particularly the control units managing the ignition and fuel supply functions.



WARNING!

- Do not attempt jump-starting if the discharged battery is frozen. It could rupture or explode during jump start and cause personal injury.
- Do not carry out this procedure if you have not done it before: incorrect manoeuvres can originate high electrical discharges and even cause the battery to explode.
- To avoid the risk of explosion or fire, do not approach the battery with open flames or cigarettes that could generate sparks.

NOTE:

If you need to disconnect the battery from the vehicle electrical system, see "Maintenance — Free Battery" in section 7).

Battery Remote Posts Position

For easier operation, remote battery posts for jumpstarting are located in the engine compartment while the battery is stored in the boot. Open the engine lid (see "Open and Close the Engine Lid" in section 2) the positive remote post (+) and the negative remote post (-) are easily recognizable by the icons labeled on the integrated power module.





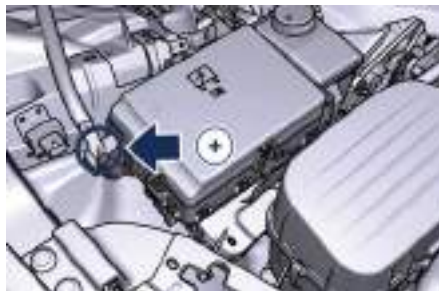
Jump-Start Procedure



WARNING!

- Stay clear of the radiator cooling fan whenever the engine lid is raised. It can start anytime the ignition switch is on. You can be injured by the moving fan blades.
- Remove any metal jewelry such as watch bands or bracelets that might make an inadvertent electrical contact. You could be seriously injured.
- Do not allow the vehicles involved in the jumpstarting operation to touch each other as this could establish a ground connection and cause personal injury.
- Turn off the heater, radio, and all unnecessary electrical accessories.
- Set the parking brake, shift the automatic transmission into P (Park) and turn the ignition to **OFF**.
- If using another vehicle to jumpstart the battery, park the vehicle within the jumper cables reach and set the parking brake and make sure the ignition is **OFF**.

- Connect one terminal clamp of the positive (+) remote post of the discharged vehicle after lifting the protection cap of the cable indicated on the external side of the integrated power module.



- Connect the opposite terminal clamp of the positive (+) jumper cable to the positive (+) post of the booster battery.
- Connect one terminal clamp of the negative (-) jumper cable to the negative (-) post of the booster battery.
- Connect the opposite terminal clamp of the negative (-) jumper cable to the remote negative (-) post of the vehicle with the discharged battery as rendered.



- 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, wait a few seconds after connecting the cables, before starting the booster vehicle. Once the engine is started, remove the jumper cables in the reverse sequence.
- Disconnect one terminal clamp of the negative (-) jumper cable from the remote negative (-) post of the vehicle with the discharged battery.
- Disconnect the opposite terminal clamp of the negative jumper cable from the negative (-) post of the booster battery.
- Disconnect one terminal clamp of the positive (+) jumper cable from the positive (+) post of the booster battery.



- Disconnect the terminal clamp of the positive jumper cable from the remote positive (+) post of the discharged vehicle.

NOTE:

*If frequent jump-starting is required to start your vehicle you should have the battery and charging system inspected at a **Maserati Service Network** center.*

Towing a Disabled Vehicle

Proper towing or lifting equipment is required to prevent damage to your vehicle. Use only towing bars and other equipment designed for the purpose, following equipment manufacturer's instructions. Safety chains are mandatory. Securely attach a towing bar or other towing device to main structural members of the vehicle, not to bumpers or associated brackets. Make sure you comply with local towing regulations.

- If the vehicle's battery is discharged, refer to the following paragraph on how to shift the automatic transmission out of the P (Park) position and release the parking brake.
- If the vehicle battery is still charged, turn off the engine and disengage the parking brake manually (if automatically engaged) by using the command behind the gear lever (see "Parking Brake" chapter in section 5). Shift then manually the transmission out of P (Park) as described in "Gearbox Manual Release of P (Park) Position" chapter of this section. If you need to use the

accessories (wipers, defrosters, etc.) while being towed, the ignition must be in **RUN** position, do not use the **ACC** position.



CAUTION!

Your vehicle is equipped with tow eyes, which are mounted in the front and the rear. Tow eyes are for emergency use only, for example to rescue a vehicle stranded off road. Do not use tow eyes for tow truck hookup as you could damage your vehicle.

Manual Release of Transmission and Parking Brake

In order to push or tow the vehicle if unable to shift the transmission out of P (Park) (such as a discharged battery), a manual park release is available. In this case it is necessary to manually release the shift lever and the parking brake by applying the emergency procedure (see "Parking Brake" in section 5).

Follow the steps as indicated in "Gearbox Manual Release of P (Park) Position" in this section to manually disengage the transmission.



Vehicle Towing Conditions

Maserati does not recommend that you tow this vehicle on a tow dolly as vehicle damage may occur. Instead, it is recommended to tow your vehicle with all four wheels off the ground using a flatbed.

If flatbed equipment is not available, and the transmission is still operable, a RWD vehicle may be flat towed (with all four wheels on the ground) under the following conditions.

- The shift lever must be in N (Neutral).
- The distance to be traveled must not exceed 50 km (30 mi).
- The towing speed must not exceed 50 km/h (30 mph).



CAUTION!


AWD vehicle can be towed with both axles on the ground without limitations, single axle towing is forbidden as can seriously damage torque driver of AWD system.

If the transmission is not operable, or the RWD vehicle must be towed faster than 50 km/h (30 mph) or farther than 50 km (30 mi) (for example on a highway), tow with the rear driving wheels off the ground and on a

platform of a rescue vehicle, or with the rear wheels raised using a wheel lift.



CAUTION!

If you have to tow the RWD vehicle with 2 wheels raised, ensure that the ignition switch is in the OFF position. If this is not observed, when the ESC is active, the ECU will store a malfunction and the relative warning light  will illuminate on the instrument cluster display. This requires the intervention of the **Maserati Service Network** to reset the system.

Use tow hook of the tool kit

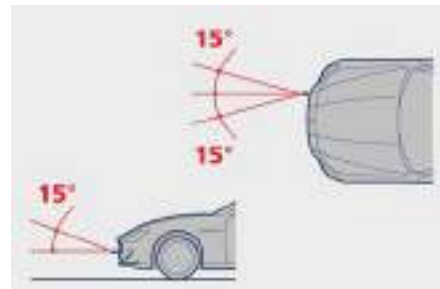
The tow hook is contained in the tool kit (see "Tool Kit" in this section) and must be screwed in its seat accessible behind the front grille, right-hand side.

Carefully clean the threaded seat before tightening the hook. Screw the tow hook into its seat for approximately 11 turns.



NOTE:

Maximum work angle of towing cable: 15°.





7 – Maintenance and Care

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Scheduled Maintenance Service

Correct maintenance is clearly the best way to guarantee vehicle performance and safety features, ensure respect for the environment and low operating costs.

NOTE:

Also remember that the scrupulous observance of the maintenance procedures is essential for keeping your vehicle operating properly. Not adhering to the Maintenance Schedule can impact your vehicle's warranty.

Maserati has therefore provided for a series of checks and maintenance operations involving the 1st service when the vehicle mileage reaches:

- **Gasoline Engines:** 20000 km (12500 mi) or after 2 years of the vehicle's life, and subsequently every 20000 km (12500 mi) or every 2 years.
- **Diesel Engine:** 20000 km (12500 mi) or after 1 year of the vehicle's life, and subsequently every 20000 km (12500 mi) or every year.

After the 6th Maintenance Service

After the 6th service, maintenance must be restarted with the operations scheduled for the 1st, 2nd and 3rd service.



CAUTION!


The Scheduled Maintenance services are prescribed by the Manufacturer. Failure to have the services carried out can affect your warranty.

The Scheduled Maintenance service is provided by the whole **Maserati Service Network**. In the event that, when a service is performed, further replacements or repairs are found to be necessary in addition to the scheduled operations, these can be carried out only with the specific consent of the Customer.



CAUTION!

You are advised to notify the **Maserati Service Network** of any minor operating problem, without waiting for the next scheduled service.

The oil change indicator system will remind you the deadline for the maintenance program. The indicator light  on the Instrument cluster flashes for ca 10 seconds displaying the "Oil Change Due" message backed by a beeping sound, indicating that an oil change is necessary.

The oil change indicator message will illuminate approximately 19200 km (11900 mi) after the most recent oil change was performed. Have your vehicle serviced as soon as possible, within 800 km (500 mi).

NOTE:

- *The oil change indicator message will not monitor the time elapsed from the last oil change. Change your vehicles oil if it has been 2 years (Gasoline Engines) or 1 year (Diesel Engine) since your last oil change, even if the oil change indicator message will NOT display on the instrument cluster.*
- *Change your engine oil more often if you drive your vehicle off-road for an extended period of time or short trips without reaching operation temperature.*
- *Under no circumstances should oil*

(Continued)



(Continued)

change intervals exceed 20000 km (12500 mi) or at least after 2 years (Gasoline Engines) or 1 year (Diesel Engine).

The **Maserati Service Network** will reset the oil change indicator message after completing the scheduled oil change.



CAUTION!

Failure to perform the required maintenance items may result in damage to the vehicle.

Scheduled Service Plan

The Scheduled Maintenance services listed in this manual must be done at the times or mileages specified to protect your vehicle warranty and ensure the best vehicle performance and reliability.

More frequent maintenance may be needed for vehicles in severe operating conditions, such as dusty areas and very short trip driving.

Inspection and service should also be done anytime a malfunction is suspected.

Maserati recommends that these maintenance intervals be performed at your selling dealer. The technicians at your dealership know your vehicle best, and have access to factory-approved information, genuine Maserati parts, and specially designed electronic and mechanical tools that can help prevent future costly repairs.



Scheduled Service Plan — Gasoline Engines

Service coupons	1°	2°	3°	4°	5°	6°
Main operations	Interval running coupons: every 20000 km (12500 mi) or 2 years					
Belt for alternator, water pump, air conditioning compressor and hydraulic steering pump		I		R		I
	Replace at least every 80000 km (50000 mi) or 4 years and every time the part is removed					
Engine oil and filter	R	R	R	R	R	R
	Replace at least every 2 years					
Engine check for leaks	I	I	I	I	I	I
Air filter		R		R		R
Spark plugs			R			R
Hydraulic steering fluid level	I	I	I	I	I	I
Engine coolant level		I		I		I
Brake fluid		R		R		R
	Replace every 2 years for frequently and heavy brake use (track use)					
Brake system, calipers	I	I	I	I	I	I
Joints, rods for front and rear suspensions, front and rear under-chassis		I		I		I
Pollen filter		R		R		R
Controls and adjustment systems in general, hinges, doors, front and rear lid	I			I		
Correct operation and reliability of the seats and seat belts	I		I		I	
Headlight aiming	I	I	I	I	I	I
Condition of the leather interiors		I		I		I

7



Service coupons	1°	2°	3°	4°	5°	6°
Main operations	Interval running coupons: every 20000 km (12500 mi) or 2 years					
Vehicle road test		I		I		I
Check with Maserati Diagnosis	I	I	I	I	I	I
I = Inspect and carry out any other necessary operation R = Replace						

Scheduled Service Plan — Diesel Engine

Service coupons	1°	2°	3°	4°	5°	6°
Main operations	Interval running coupons: every 20000 km (12500 mi) or 1 year					
Belt for alternator, water pump, air conditioning compressor and hydraulic steering pump				I	R	
	Replace at least every 100000 km (62000 mi) or 5 years and every time the part is removed					
Engine oil and filter	R	R	R	R	R	R
	Replace at least every year					
Air filter	R	R	R	R	R	R
Fuel filter		R		R		R
Hydraulic steering fluid level	I	I	I	I	I	I
Windshield fluid level — Windshield washer and headlight cleaner	I		I		I	
Engine coolant level	I	I	I	I	I	I
Brake fluid	I	I	R	I	I	R
	Replace every 2 years for frequently and heavy brake use (track use)					



Service coupons	1°	2°	3°	4°	5°	6°
	Interval running coupons: every 20000 km (12500 mi) or 1 year					
Main operations						
Brake system, calipers	I	I	I	I	I	I
Pollen filter		R		R		R
Controls and adjustment systems in general, hinges, doors, front and rear lid	I				I	
Headlight aiming	I	I	I	I	I	I
Condition of the leather interiors		I		I		I
Vehicle road test		I		I		I
Emission control	I	I	I	I	I	I
Check with Maserati Diagnosis	I	I	I	I	I	I
I = Inspect and carry out any other necessary operation R = Replace						



Periodic Maintenance

Every 1000 km (600 mi) or before long journeys

Check:

- engine coolant;
- brake fluid;
- windshield washer fluid level;
- tire inflation pressure and condition;
- operation of lighting system (headlights, direction indicators, hazard warning lights, etc.);
- operation of windshield washer/wiper system and wear of windshield wiper blades.

Every 3000 km (1900 mi)

Check and top up, if required, the engine oil level.

Heavy-Duty Vehicle Use

If the car is mainly used under one of the following conditions:

- off-roads;
- short, repeated journeys (less than 7-8 km / 4.3-5 mi) at sub-zero outside temperatures;
- engine often idling or driving long distances at low speeds or long periods of idleness.

You should perform the following inspections more frequently than

recommended on the “Scheduled Service Plan”:

- check front disc brake pad conditions and wear;
- 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 (boots - sleeves - bushes - etc.);
- check battery charge;
- visually inspect condition of the accessory drive belts;
- check and, if necessary, change engine oil and replace oil filter;
- check and, if necessary, replace pollen filter of the A/C system;
- check and, if necessary, replace air cleaner filter.




CAUTION!

All maintenance operations for the vehicle must be carried out by the Maserati Service Network. For routine and minor maintenance operations which you can carry out yourself, make sure that you have the necessary experience and always use suitable

equipment, original Maserati spare parts and the prescribed fluids. **Shall this not be the case, do not carry any operation on your own and contact a Maserati Service Center.**

On Board Diagnostic System — EOBD II

Your vehicle is equipped with a sophisticated onboard diagnostic system called EOBD II. This system monitors the performance of the emissions, engine, and automatic transmission control systems. When these systems are operating properly, your vehicle will provide excellent performance and fuel economy, as well as engine emissions suited to current government regulations. If any of these systems require service, the EOBD II system will turn on the “Malfunction Indicator Light”  on the instrument cluster display (refer to “Instrument Cluster” in section 4). The system stores as well diagnostic codes and other information to assist your service technician by performing repairs.



Although the vehicle will be drivable and will not need towing, contact the



Maserati Service Network for service as soon as possible.



CAUTION!

- Prolonged driving with the  on could cause further damage to the emissions control system. It could also affect fuel economy and driveability. The vehicle must be serviced before any emissions tests can be performed.
- If the  is flashing while the engine is running, severe catalytic converter damage and power loss will soon occur. Immediate service at the **Maserati Service Network** is required.

Intervention Regeneration Strategy (Diesel only)

This vehicle is equipped with a state-of-the-art engine and exhaust system containing a Diesel Particulate Filter (DPF).

The engine and exhaust aftertreatment system work together to meet the Emission standards. The system manages engine combustion to allow the exhaust system's catalyst to trap and burn Particulate Matter (PM)

pollutants with no input or interaction on your part.

The control system visualizes messages on the TFT display to alert the driver when regeneration treatment is necessary or when the vehicle shall be taken to the **Maserati Service Network**. Refer to chapter "Instrument cluster" in section 4 for further information.

Spare Parts

Use of genuine parts for normal/scheduled maintenance and repairs is highly recommended to ensure excellent performance.

Damage or failures caused by non-genuine spare parts used for maintenance and repairs will not be covered by the manufacturer's warranty.



Maintenance Procedures

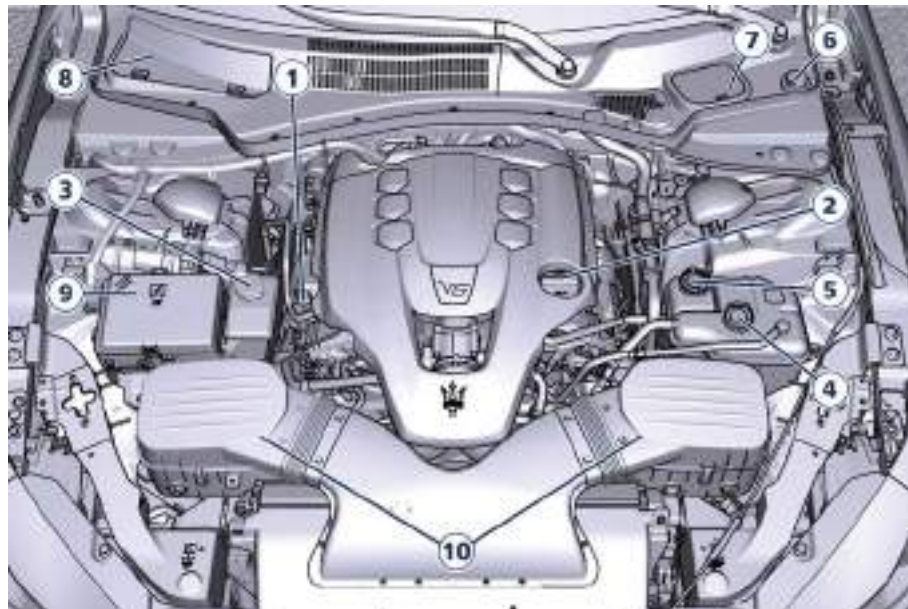
The following pages contain the “required” maintenance standards determined by Maserati engineers. Besides those maintenance items specified in the “Scheduled Service Plan”, there are other components which may require service or replacement in the future.

To perform most of the services, it is necessary to open the engine lid (see “Open and Close the Engine Lid” in section 2).

The images below show the position of all components involved in the maintenance service.

Gasoline Engines

- 1 Engine oil dipstick.
- 2 Engine oil filler neck.
- 3 Power steering fluid reservoir.
- 4 Engine coolant reservoir.
- 5 Coolant reservoir for gearbox and hydraulic steering system.
- 6 Washer fluid reservoir.
- 7 Brake fluid reservoir access cover.
- 8 A/C pollen filter access cover.
- 9 Integrated power module (fuses).
- 10 Air cleaner filters.

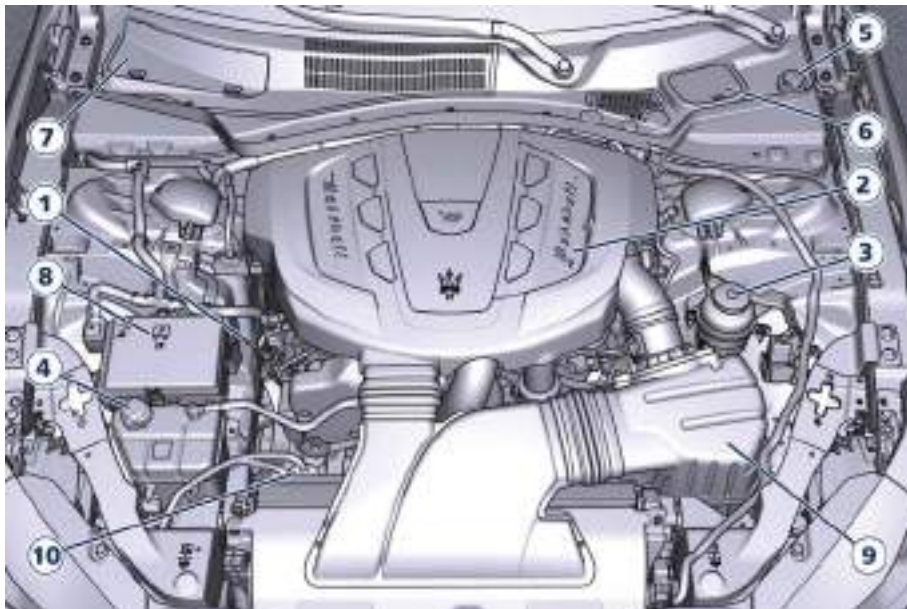


Gasoline



Diesel Engine

- | | | | |
|---|---|----|-------------------------------------|
| 1 | Engine oil dipstick. | 6 | Brake fluid reservoir access cover. |
| 2 | Engine oil filler neck inspection door. | 7 | A/C pollen filter access cover. |
| 3 | Power steering fluid reservoir. | 8 | Integrated power module (fuses). |
| 4 | Engine coolant reservoir. | 9 | Air cleaner filter. |
| 5 | Washer fluid reservoir. | 10 | Fuel filter. |



Diesel



CAUTION!

- Failure to properly maintain your vehicle or perform repairs and service when necessary could result in more costly repairs, damage to other components or negatively impact vehicle performance. Immediately have potential malfunctions examined by the **Maserati Service Network** or a qualified repair center.
- Your vehicle has been equipped with improved fluids that protect the performance and durability of your vehicle and also allow extended maintenance intervals. Do not use chemical flushes for washing as the chemicals can damage your engine, transmission, power steering or air conditioning. Such damages are not covered by the New Vehicle Limited Warranty. If a flush is needed because of component malfunction, use only the specified fluid for the flushing procedure.



Level Checks



ENVIRONMENTAL!

- The engine oils and fluids used contain substances that are dangerous for the environment. For replacement you are advised to contact the Maserati Service Network, where all the necessary equipment is available to dispose of the used oil and fluids in compliance with the regulations in force and in an environment-friendly manner.
- All equipment used for fluids replacement (gloves, cloths, containers, etc) must be disposed in compliance with the regulations in force.

Engine Coolant Level Check

Your vehicle has been equipped with an improved engine coolant (antifreeze) that offers high protection against corrosion, freezing and allows extended maintenance intervals. To prevent reducing extended maintenance periods, it is important to use original engine coolant (antifreeze) when adding coolant throughout the life of your vehicle.

When adding engine coolant (antifreeze) use pure water only such as distilled or deionized water when mixing the water/engine coolant (antifreeze) solution. The use of impure water will reduce the amount of corrosion protection in the engine cooling system.

- Mix a minimum solution of 50% engine coolant (antifreeze) and distilled water. Use higher concentrations (do not exceed 70%) if temperatures below -37°C (-35°F) are forecasted.

Please note that it is the owner's responsibility to maintain the proper level of protection against freezing according to the temperatures occurring in the circulation area of the vehicle.

The coolant bottle provides a quick visual method to determine that the coolant level is adequate. As long as the engine operating temperature is satisfactory, the coolant bottle only needs to be checked once a month. With the engine off and cold, the level of the coolant in the bottle should be between the ranges indicated on the bottle and inside the filler neck.



Gasoline



Diesel



Gasoline



Diesel

- When additional engine coolant (antifreeze) is needed to maintain the proper level, it should be added to the coolant bottle after removing the cap. Do not overfill.
- Once the desired level is reached, firmly close cap of the bottle.
- If frequent engine coolant (antifreeze) additions are required,


- or if the level in the coolant recovery bottle does not drop when the engine cools, the cooling system should be pressure tested for leaks by a **Maserati Service Center**.
- Keep the front of the radiator and the condenser clean.



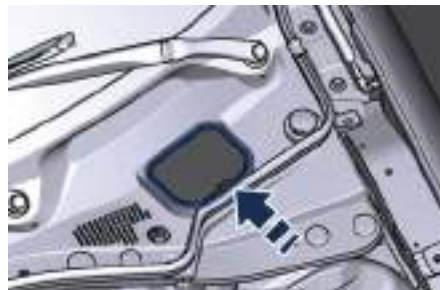
WARNING!

- **Never add engine coolant (antifreeze) when the engine is overheated. Do not loosen or remove the cap of the engine coolant bottle 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.**
- **When adding coolant do not use a pressure cap other than the one specified for your vehicle. Personal injury or engine damage may result.**

Brake Fluid Level Check

Check the fluid level immediately if the brake system warning light  and the related message turn on indicating a low level of brake fluid.

- Remove the brakes fluid reservoir access cover.




- Clean the top of the master cylinder area before removing the cap.
- Add fluid to bring the level up to the "MAX" mark on the side of the master cylinder reservoir. Use only manufacturer's recommended brake fluid (see "Refillings" in section 8).
- Add enough fluid to bring it to the "MAX" level marked on the brake fluid reservoir.
- Once the correct level is reached, firmly close the cap.



The brake pads wear could cause the fluid level to fall. However, low fluid level may be caused by a leak and a requires accurate checkup of the braking system.



CAUTION!

The symbol  on the tank cap identifies the synthetic type of brake fluid, distinguishing it from the mineral type. Using mineral fluids damages the special rubber linings of the brake system irreparably.




WARNING!

- To avoid contamination from foreign materials 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 an accident.

- 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, make sure it does not spill over 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 an accident.

Adding Washer/Headlight Washer Fluid

During scheduled services or when the message "Low Washer Fluid" appears together with the related telltale  add more fluid as soon as possible: the fluid reservoir will hold nearly 4 Litres of washer/headlight washer fluid.

- Remove the reservoir cap in the engine compartment and lift the filler neck.



- Fill the reservoir with windshield washer solvent (refer to "Refillings" in section 8) and operate the system for a few seconds to flush out the residual water.
- When refilling the washer fluid reservoir, apply some washer fluid to a cloth or towel and wipe the wiper



blades clean. This will help blade performance.

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



WARNING!

- **Commercially available windshield washer solvents are flammable. They could ignite and burn you. Care must be exercised when filling or when working around the washer solution.**
- **Do not drive with the windscreen washer reservoir empty: the action of the washer is essential for improving visibility when driving.**

Engine Oil Level Check

To assure proper lubrication of your vehicle's engine, the engine oil must be maintained at the correct level. If the warning light illuminates and the related message of low oil level displays, or during scheduled services (see "Scheduled Maintenance

Service" in this section) it is necessary to check the engine oil level. The best time to check the engine oil level is about five minutes after a fully warmed up engine is shut off or before starting the engine after it has sat overnight. In both cases the vehicle should be parked on level ground to improve the accuracy of the oil level readings.

- Remove the dipstick and clean it with a dry and clean cloth.



Gasoline

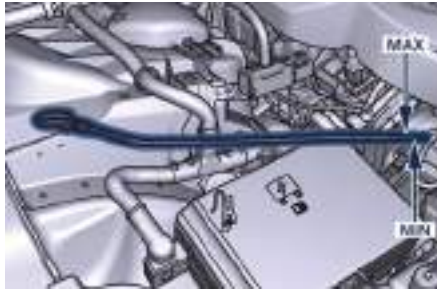


Diesel

- Re-insert the dipstick completely and remove: the oil level should maintain between the MIN e MAX reference ranges (SAFE range).



Gasoline



Diesel

- If a refilling is necessary: unscrew the filler neck cap (Gasoline) or open the inspection door and unscrew the filler neck cap (Diesel).



Gasoline



Diesel

- Adding 1 Litre of oil when the level is at the bottom of the SAFE range will result in the level being at the top of the SAFE range.
- Return the cap and dipstick to their position and wait for a few minutes to allow the oil to reach the sump.
- Check the level again.



- Do not top up with oil with different characteristics than the engine one (refer to "Refillings" in section 8).
- Overfilling or underfilling the sump will cause aeration or loss of oil pressure. This could damage your engine.
- Do not add any supplemental materials to the engine oil, other than leak detection dyes. Engine oil

is an engineered product, and its performance may be impaired by supplemental additives.

Engine Oil Filter Replacement

The engine oil filter should be replaced with a new filter at every oil change.

Contact the **Maserati Service Network** to perform this service.

Fuel Filter Service (Diesel only)

Contact the **Maserati Service Network** to perform this service.

DPF Filter Replacement (Diesel only)

Contact the **Maserati Service Network** to perform this service.

Automatic Transmission Oil Check

Contact the **Maserati Service Network** for the oil level check.

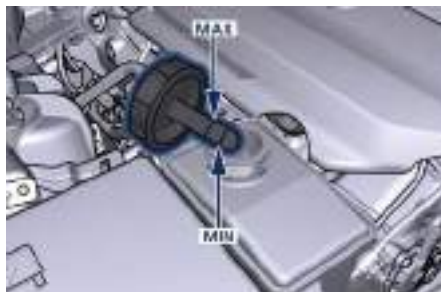
Power Steering Fluid Level Check

With the vehicle on a level ground and the engine cold, check the fluid level of the power steering reservoir.

- To carry out the check, unscrew the cap, clean the dipstick with a dry and clean cloth.



Gasoline



- If necessary, top up with fluid making sure that it has the same characteristics as the one already used in the system (refer to "Refillings" in section 8).



Gasoline

Engine Air Filters Replacement

Contact the **Maserati Service Network** to have the air filters replaced.

A/C Air Filter Replacement

This filter performs mechanic/ electrostatic air filtering, provided that windows and doors are perfectly closed.

The filter is located under the engine lid in the external A/C system air inlet, on the passenger side of the vehicle, next to the windshield wipers.

To replace the filter during the scheduled maintenance services or after the vehicle has been heavily used on dusty roads, proceed as follows:

- Remove the access door in the cowl screen by pressing the retaining clips indicated.



Diesel

- Retighten the cap then unscrew it again and check the level: it should match the "MAX" notch marked on the dipstick. In hot oil conditions, the level may even exceed the "MAX" notch.



CAUTION!

Make sure that the power steering fluid does not come in touch with the engine hot parts as it is flammable.

Coolant Gearbox and Hydraulic Steering System Fluid Level Check (Gasoline only)

Contact the **Maserati Service Network** for this operation.



- Unsnap both ends and lift the filter access cover.



- Remove the used filter slipping it off from within the air intake.
- Install the new filter with arrows pointing in the direction of airflow, which is toward the rear of the vehicle (text and arrows on the filter will indicate this).



- Close the filter access cover and reinstall the access door.



CAUTION!

Failure to replace the filter may considerably reduce the air conditioning and heating system efficiency.

Windshield Wiper Maintenance and Blades Replacement

When the wiper arms are in "Park" position it is not possible to check or replace the blades as they remain under the engine hood. To service the blades it is necessary to move the wiper arms in "Service" position (see chapter "Windshield Wipers and Washers" in section 3). In this way it is possible to turn and lift the arms for the desired intervention.



WARNING!

It is dangerous to operate or service the wiper blades with the wipers in an active position (different than "OFF") and with the ignition switch in the RUN position. The rain sensors may suddenly activate the wipers. Always use the "Service" position for any intervention on the wipers blades.

Windshield Wiper Maintenance

Life expectancy of wiper blades varies depending on the geographical area's weather conditions where the car is used and frequency of use. Poor performance of blades may be present with chattering, marks, water lines or wet spots. If any of these conditions are present, clean the wiper blades or replace if necessary.

Clean the rubber edges of the wiper blades and the windshield periodically with a sponge or soft cloth and a mild nonabrasive cleaner. This will remove accumulations of salt or road film. Operation of the wipers on dry glass for long periods may cause deterioration of the wiper blades.



Always use washer fluid when using the wipers to remove salt or dirt from a dry windshield.

Avoid using the wiper blades to remove frost or ice from the windshield. Keep the blade rubber out of contact with petroleum products such as engine oil, gasoline, etc.

Spray nozzles

If the jet does not work, first check that there is fluid in the pan (see paragraph "Level checks" in this section) then check that the nozzles are not clogged.

Blades Replacement

- Move the wiper arms into "Service" position, as previously described and lift them.
- Press the indicated button, slip off the blade support from the arm and replace it.



- Return the blade to its original position on the windshield.
- Turn the multifunction lever to one of the automatic settings (see chapter "Windshield Wipers and Washers" in section 3) and move the ignition switch to the **RUN** position: the wiper arms will return to the resting position.

NOTE:

*Due to the difficulty of this operation, we recommend that you contact the **Maserati Service Network** for replacement of the blades.*

Body Lubrication

Locks and all body pivot points, including such items as seat tracks, door hinge pivot points and rollers, liftgate, tailgate, sliding doors and hood hinges, should be lubricated periodically with a lithium based grease, to assure quiet, easy operation and to protect against rust and wear. Prior to the application of any lubricant, the parts concerned should be wiped clean to remove dust and grit; after lubricating excess oil and grease should be removed. Particular attention should also be given to hood latching components to ensure proper function. When performing other

underhood services, the hood latch, release mechanism and safety catch should be cleaned and lubricated. The external lock cylinders of the front doors should be lubricated twice a year, preferably in the Fall and Spring. Apply a small amount of high quality lubricant directly into the lock cylinder.



Maintenance-Free Battery

This vehicle is equipped with a sealed type maintenance-free battery. You will never have to add water, nor is periodic maintenance required.



WARNING!

- Battery fluid is a corrosive acid solution and can burn or damage the eyes. Do not allow battery fluid to contact your eyes, skin, or clothing. Do not lean with the face over a battery. 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 the battery.
- The battery in this vehicle has a vent hose that should not be disconnected and should only be

replaced with a component of the same type (vented).

NOTE:

Remote battery terminals for start are located in the engine compartment for jump starting to be used with an auxiliary battery or a battery from another vehicle (see "Auxiliary Jump-Start Procedure" chapter in section 6).

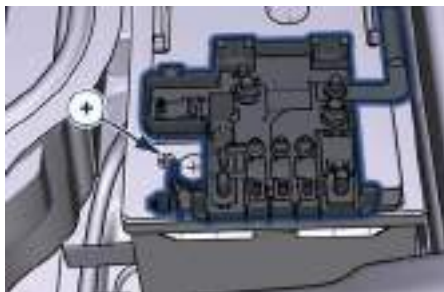
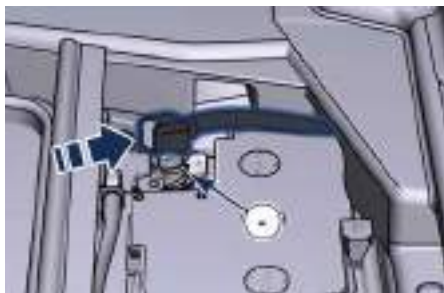
To Disconnect the Battery

The battery is fitted on the inner right side of the boot compartment. To access the battery it is necessary to lift the ground coverage of the boot compartment and remove the access cover turning the release latch shown.



CAUTION!

- Before disconnecting the battery, open the boot lid and lower the windows a few centimeters.
- Never disconnect the battery from the electrical system when the engine is running.
- To temporarily disconnect the vehicle electrical system from the battery, simply remove the cable end with quick coupling from to the negative post (-) of the battery.
- If the battery needs to be removed from its compartment, you must first detach the terminal clamp to the negative post (-) and then the other terminal clamp to the positive post (+), after removing the protective cover. Battery posts are marked positive (+) and negative (-) and are identified on the battery case.



NOTE:

After the battery is disconnected with electric parking brake engaged, you can manually move the vehicle by performing the procedure "Release after Battery Disconnection" in chapter "Emergency Release of the Parking Brake" of section 6.

To Reconnect the Battery

NOTE:

When the battery cables have been disconnected and the boot lid has been locked, it is necessary to pull the emergency release lever in order to re-open it. To access the boot and operate the emergency release fold the rear seatback (see "Cargo Area" chapter in section 3).



- It is essential when replacing the cables on the battery that the positive cable is precisely attached to the positive post (+) and the negative cable is attached to the negative post (-).
- Cable clamps should be tight on the terminal posts and free of corrosion.

After the battery has been disconnected and re-connected and before starting the engine it is necessary to proceed as follows:

- Unlock and lock the doors using the Key fob RKE Transmitter.
- Unlock the boot lid with the key fob RKE transmitter and then lock it manually.

- Initialize the climate control system by activating the compressor (see chapter "Air Conditioning Controls" in section 4).
- Turn on the MTC and set the date and time following the MTC instructions manual.
- Lift, release and lift again the lever located behind the shift lever to initialize the electric parking brake. In this way the (P) warning light on the instrument panel will turn off.

Useful Advice to Extend Battery Life

When parking the vehicle, make sure that the doors, front, rear lids and flaps are properly closed. All interior lights should be off. When the engine is turned off, do not keep the connected devices switched on for a long time (such as radio, hazard warning lights, fan, etc.)



If the battery charge remains below 50% for a long period of time, it will be damaged due to sulfation; its performance and starting power will be reduced and it will be more subject to freezing (this can happen even at -10°C/14°F).



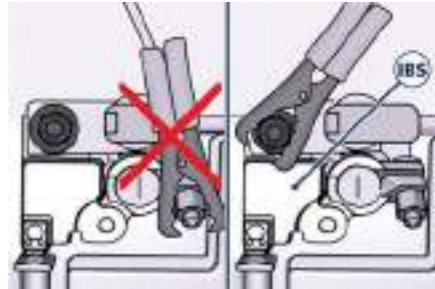
We recommend you to have the battery charge condition checked, preferably at the beginning of the cold season, to prevent the electrolyte from freezing.

This check should be carried out more frequently if the vehicle is used mainly for short trips or if it is equipped with power absorbing devices that remain permanently on even when the ignition switch is off. This applies above all if these devices have been retrofitted ("Aftermarket" services). If the vehicle is not used for long periods of time, please see "Vehicle Stored for Long Periods" in this section.

Battery Recharge

The vehicle is equipped with a IBS (Intelligent Battery Sensor) sensor able to measure charging and discharging currents and to calculate the state of charge and state of health of the battery. This sensor is located in correspondence of the negative post (-) of the battery.

For a successful charge/recharge operation, the charging current must flow through the IBS sensor as shown in the picture.



- When charging the battery with an external charger, to allow IBS to measure charging current, the negative terminal clamp of the charger must NOT be connected directly to the negative post of the battery, because in this case charging current does not flow through IBS.
- The negative terminal clamp of the charger MUST be connected just after IBS: in this way charging current flows through IBS, and it can correctly measure it.
- Do not use a "fast charger" to provide starting voltage.

Recharge the battery slowly and at a low amperage with a suitable charger or use a charge maintainer device (for further information refer to

"Maintaining Battery Charge" in chapter "Battery Statement"). It is possible to recharge the battery without disconnecting the cables of the vehicle electrical system from it.

- To access the battery lift the ground coverage of the boot compartment and remove the access cover as previously shown.
- Remove the protection cover and connect the terminal clamp of the charger positive cable (typically in red) to the positive post (+) of the battery.
- Connect the terminal clamp of the charger negative cable (typically in black) to the nut located by the negative post (-) on the battery, indicated in the picture.



- Turn the charger on and follow the instructions on its user manual to completely recharge the battery.



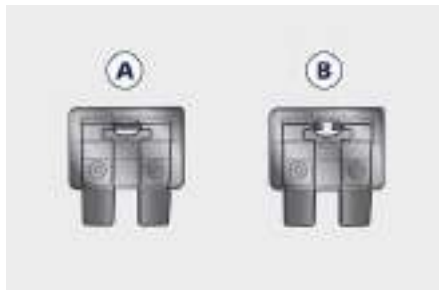
- When the battery is recharged, turn off the battery charger before disconnecting it from the battery.
- Disconnect first the terminal clamp of the charger black cable from the battery and then the terminal clamp of the red cable.
- Reassemble the protection cover on the battery positive post and the access cover on the battery room.

Fuse Replacement

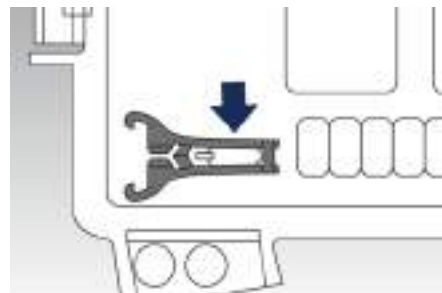
Used Fuses Characteristics

When an electrical device is not functioning, check that the corresponding fuse is in proper working order (intact).

- A Fuse intact
- B Fuse blown



Replace the faulty fuse with a new one featuring the same rating, by using appropriate forceps added in the integrated power module and inside the cover of the rear power distribution center.



The color identifies the value of the fuses in amperes which is also reported on the them.

The vehicle is endowed mainly with mini-and maxi-fuses. In addition to these fuses there are some special fuses ("Circuit Breaker" or "non-Cycling Breakers" identified with CB in the description) on which it is not possible to visually detect the status of "fuse blown". These fuses contained in the rear power distribution center remain tripped as long as there's power to the circuit. They protect the motors that move the seats: in case of failure of a seat, extract the corresponding fuse and then reinsert it. If the malfunction persists, contact the **Maserati Service Network**.

The table shows the match between color and amperage of mini and maxi fuses.

Type	Color / Ampere						
Mini Fuse	Beige - 5	Brown - 7,5	Red - 10	Blue - 15	Yellow - 20	White - 25	Green - 30
Maxi Fuse	Yellow - 20	Green - 30	Orange - 40	Red - 50	Blue - 60		

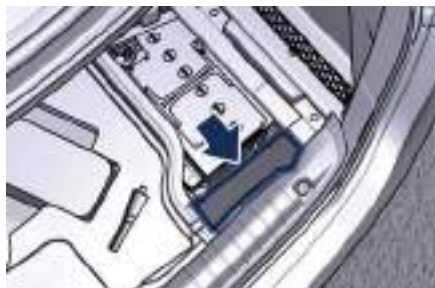
**CAUTION!**

- Never replace a blown fuse with anything other than a new and suitable fuse (same rating).
- After replacing a fuse, if the fault recurs, contact the **Maserati Service Network**.

Position of Fuses

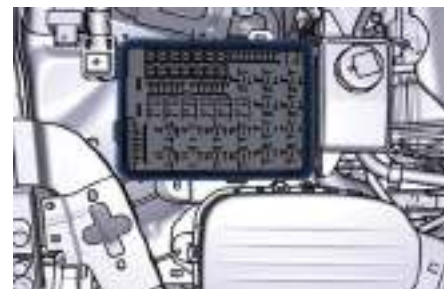
The fuses are located in two parts of the vehicle, namely:

- inside the integrated power module, on the right hand side of the engine compartment (figures show a gasoline engine);
- inside the rear power distribution center, behind the battery, on the right hand side of the boot compartment.

**Integrated Power Module**

- To access the module it is necessary to lift the engine lid (see "Open and Close the Boot Lid" in section 2).

- To access the fuses remove the module cover unhooking the lateral locks as shown in the picture.



The table points out the position as featured in the figure, the type and



function of the fuses included in the integrated power module.



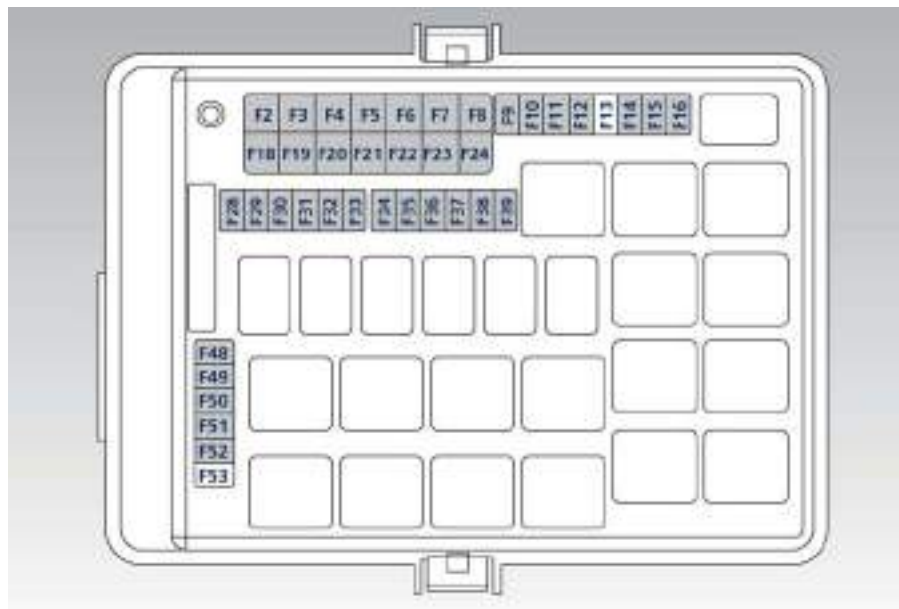
CAUTION!

- After replacement, refit the protective cover of the module.
- If you need to wash the engine compartment, do not direct the jet of water for too long directly on the module.

Ref.	Type	Function
9	Mini – 10A	AWD module (Gasoline-AWD only)
10	Mini – 15A	Electric Steering Lock
11	Mini – 20A	Horn relay input
12	Mini – 10A	AC compressor relay input

Ref.	Type	Function
13	-	-
14	Mini – 7,5A	Alarm siren
15	Mini – 5A	Washer heated nozzles relay input

Ref.	Type	Function
2	Maxi – 50A	Secondary air pump relay input (Gasoline only)
3	Maxi – 40A	PTC heater 1 (Diesel only)
4	Maxi – 30A	Starter motor relay input
5	Maxi – 40A	ABS-ESP pump feed
6	Maxi – 30A	AWD module (Gasoline-AWD only)
7	Maxi – 40A	PTC heater 2 (Diesel only)
8	Maxi – 25A	ABS-ESP valve feed





Ref.	Type	Function
16	Mini – 10A	Enable cooling fan relay input and enable steering-gearbox cooling oil pump relay input (Gasoline only)
		Enable cooling fan relay input (Diesel only)
18	Maxi – 40A	PTC heater 3 (Diesel only)
19	Maxi – 30A	Headlamp washer relay input
20	Maxi – 30A	Wiper motor relay output
21	Maxi – 20A	LH low beam relay input
22	Maxi – 20A	RH low beam relay input
23	Maxi – 40A	Fuel Heater Supply (Diesel only)
24	Maxi – 50A	Glow Plug Control Unit (Diesel only)

Ref.	Type	Function
28	Mini – 7,5A	IPC Instrument Panel Control (Gasoline only)
29	Mini – 10A	Primary load to PCM module
30	Mini – 5A	ORC- Air bag module
31	Mini – 10A	ABS-ESP module
32	Mini – 5A	SCCM and AWD module
33	Mini – 10A	HDLP Headlights
34	Mini – 15A	Primary load to engine harness LH side (Gasoline only)
	Mini – 30A	Primary load to engine harness (Diesel only)
35	Mini – 15A	Primary load to engine harness RH side (Gasoline only)
36	Mini – 30A	PCM module primary load
37	Mini – 15A	Engine secondary load

Ref.	Type	Function
38	Mini – 15A	Lambda sensor (Gasoline only)
39	Mini – 7,5A	Flow meters, tank lackage, Canister, exhaust by-pass valve and relay coil
48	Mini – 7,5A	Lambda Sensors — ICR (Diesel only)
49	Mini – 10A	Pedal brake switch-TCM module
50	Mini – 15A	+30 PCM module
51	Mini – 30A	Primary left fuel pump relay input (Gasoline only)
		Primary fuel pump relay input (Diesel only)
52	Mini – 5A	Starter solenoid signal for PCM and voltage stabilizer (Diesel only)
53	-	-



Rear Power Distribution Center

- To access the center it is necessary to lift the ground coverage of the boot compartment and remove the access cover (refer "Maintenance-Free Battery" in this section).



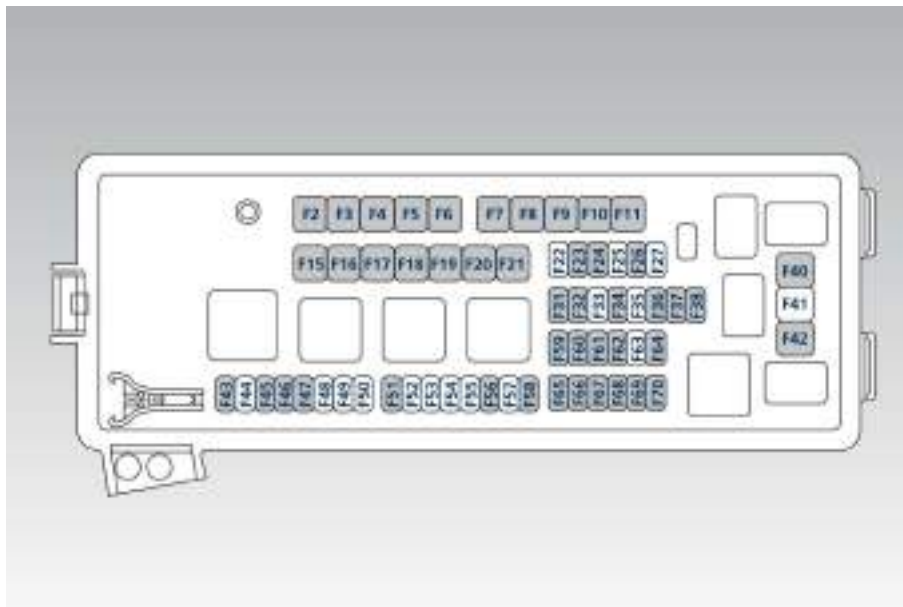
- To access the fuses unhooking the cover lock shown in picture.



- Lift the lid on the side of the latch and push it toward the right side to

release the latches as indicated on the unit.
The table points out the position as featured in the figure, the type and function of the fuses on the rear area distribution control unit.

Ref.	Type	Function
2	Maxi – 40A	BCM module
3	Maxi – 40A	BCM module
4	Maxi – 30A	BCM module
5	Maxi – 30A	BCM module
6	Maxi – 20A	Sunroof
7	Maxi – 30A	Driver door module





Ref.	Type	Function
8	Maxi – 30A	Passenger door module
9	Maxi – 40A	Start&Stop: voltage stabilizer, dashboard (Diesel only)
10	Maxi – 40A	K130 fuses F42-F60-F62-F66 (Gasoline only)
		Start&Stop: voltage stabilizer, body (Diesel only)
11	Maxi – 40A	High Premium stereo amplifier unit
15	Maxi – 40A	HVAC front blower relay coil
16	Maxi – 40A	Rear window defrost relay coil (HVAC module)
17	Maxi – 30A	Rear LH door module
18	Maxi – 30A	Rear RH door module
19	Maxi – 20A	Electric Parking Brake

Ref.	Type	Function
20	Maxi – 20A	Electric Parking Brake
21	Maxi – 20A	ANC module (Diesel only)
22	-	-
23	Mini – 10A	Fuel door relay, RF Hub module
24	Mini – 10A	ITM module, ceiling light units (front and rear)
25	-	-
26	Mini – 15A	Cluster module, clock (Gasoline only)
27	-	-
31	Mini – 25A	LH front seat movement
32	Mini – 10A	START/STOP switch, diagnostic outlet
33	-	-
34	Mini – 10A	HFM, MTC display, CSS switch, column module switch (Gasoline only)
35	-	-

Ref.	Type	Function
36	Mini – 10A	Gear lever, TPMS module, Navtrak
37	Mini – 20A	Radio (Gasoline only)
38	Mini – 25A	RH front seat movement
40	Maxi – 20A	Boot power outlet
41	-	-
42	Maxi – 20A	Premium stereo amplifier unit
43	Mini – 20A	Seat passenger heater module
44	-	-
45	Mini – 10A	Internal mirror, sunroof
46	Mini – 5A	Rear camera
47	Mini – 5A	Navtrak
48	-	-
49	-	-
50	-	-
51	Mini – 25A	Seat passenger and steering wheel heater module
52	-	-



Ref.	Type	Function
53	-	-
54	-	-
55	-	-
56	Mini – 7,5A	Internal temperature sensor, blower front HVAC coil relay, illum. AUX
57	-	-
58	Mini – 5A	Air bag module
59	Mini – 10A	ADCM module, EPB module, EPB backlight control, gear lever, ASBM, rear tunnel stack switch
60	Mini – 7,5A	ADCM module
61	Mini – 25A	Front console power outlet and cigar lighter
62	Mini – 7,5A	HVAC module
63	-	-
64	Mini – 10A	Wi-fi
65	Mini – 10A	Intelligent battery sensor
66	Mini – 10A	Wi-fi

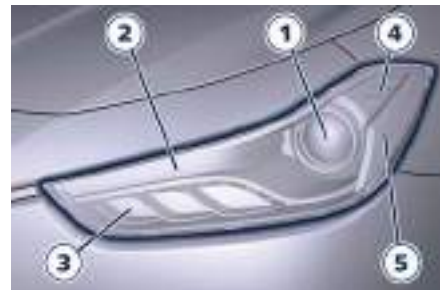
Ref.	Type	Function
67	Mini – 7,5A	Rain Light Sensor (RLS), umidity sensor, USB charge outlet
68	Mini – 20A	Rear sunshade module
69	Mini – 25A	Rear console power outlet and cigar lighter
70	Mini – 10A	HVAC module, AFLM headlights module, Parking Aid Module PAM

Bulb Replacement

Front Headlights

The light bulbs of the headlight clusters are arranged as follows:

- 1 Bi-Xenon low-beam/high-beam bulb (25W-No AFS, 35W-With AFS).
- 2 Position/parking and DRL LED lights.
- 3 Direction indicator LED.
- 4 Side-marker LED.
- 5 Side reflex-reflector.



CAUTION!

Due to the complexity of the operation, for the replacement of the

(Continued)



(Continued) headlight clusters light bulbs, we recommend that you contact the **Maserati Service Network**. If you are personally carrying out this operation, make sure that the corresponding fuse is intact before replacing the bulb. Use only genuine new light bulbs with the same characteristics as the old one.

Tail-Light Clusters Light Bulbs

The taillight bulbs are arranged as follows:

- 1 Position/parking light guide LED.
- 2 Stop light LED.
- 3 Direction indicator LED.
- 4 Reverse light bulb (W16W).
- 5 Rear fog light bulb (W16W).



Light Clusters Bulbs Replacement



WARNING!

The headlamps are a type of high voltage discharge tube. High voltage can remain in the circuit even with the headlamp switch and the ignition switch off. Because of this, you should not attempt to replace a headlamp

bulb yourself, but take the vehicle to a center of the Maserati Service Network for service.

Most of the lamps of the taillight and of front the headlights and those integrated in the exterior mirrors are LED powered and cannot be replaced individually. The only exceptions are the reverse and the rear fog light bulbs for which you find below the replacement procedure. Contact the **Maserati Service Network** to locate the correct parts and replace them.

Reverse Light

In order to replace the reverse light bulb (possible only on vehicles with inspection cover), open the boot lid and proceed as follows:

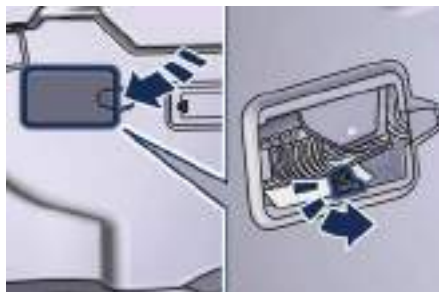
- Remove the cover on the fastening screws by levering from below on the indicated point.



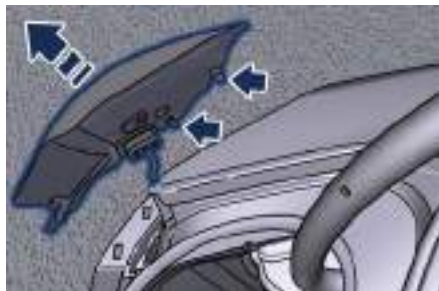
- Using a Torx T15 wrench, undo and remove the two indicated fastening screws.



- Remove the inspection cover (if foreseen) from the boot compartment by levering on the specific point.
- Using an 8 mm Allen wrench, undo and remove the light fastening nut.



- From behind the vehicle, separate the light cluster from the body by gently pulling it out; do not tension the connecting cable.



- Rotate the bulb holder anti-clockwise and extract it from the light cluster.
- Extract the bulb from the bulb holder and replace it with a corresponding one.



NOTE:

- The light cluster has two centering pins, during re-assembly they must be inserted in their respective seats on the body. In this phase use particular attention to prevent that the connecting cable remain pinched between light cluster and body, as this could cause electric interruption.
- To avoid damages to the light cluster, do not fasten too much the two Torx fastening screws.

Rear Fog Light

In order to replace the rear fog light bulb, open the boot lid and proceed as follows:

- Remove the access cover by rotating the unlock device anti-clockwise as shown in the picture.



- Rotate the bulb holder anti-clockwise and extract it from the light cluster.
- Extract the bulb from the bulb holder and replace it.

NOTE:

When refitting the access cover, insert first the side tab in the boot lid opening indicated in the picture, and then rotate the unlock device clockwise.



Number Plate Lights

To replace the number plate light bulb (C 5W):

- use a screwdriver positioned at the indicated point to lever out the light fixing frame;



- replace the pressure-fitted bulb;
- refit the bulb holder inserting first the electrical connector side and then pressing on the other side to hook up the clip.



Interior Lights



CAUTION!

Before replacing a bulb, ensure that the matching fuse is intact. For replacement, use only original new light bulbs having the same rating as the old one.

Lamps inside the glove box compartments of the dashboard are LED powered and cannot be replaced by the owner. Contact the **Maserati Service Network** to replace them.

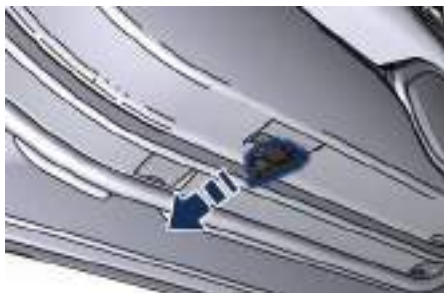
Courtesy Lights (below Door)

To replace the bulb (W5W):

- use a screwdriver positioned at the indicated point to lever out the light fixing frame;



- rotate the bulb holder and take it out;



- replace the pressure-fitted bulb;



- refit the bulb holder inserting first the electrical connector side and then pressing on the other side to hook up the clip.

Boot Compartment Light

To replace the bulbs (W5W) inside the boot compartment, proceed as follows after boot lid opening.

- Remove the light fixing frame by levering it out gently at the indicated point with a screwdriver.



- Raise the lens cover.



- Replace the pressure-fitted bulb.



- Refit the lens cover, inserting first the electrical connector side and then pressing on the other side.



A/C System Maintenance

For best performances, the air conditioning system should be checked and serviced by the **Maserati Service Network** at the beginning of the warm season.

This service should include cleaning of the condenser fins and a performance test. Drive belt tension should also be checked at this time.

During the winter, the air conditioning system should be operated at least once a month for about 10 minutes.



CAUTION!

Do not use chemical flushes in your air conditioning system as the chemicals can damage your air conditioning components. Such damage is not covered by the New Vehicle Limited Warranty.



WARNING!

- Use only refrigerants and compressor lubricants approved by the manufacturer for your air conditioning system. Some refrigerants are flammable and can explode, causing injuries. Other

unapproved refrigerants or lubricants can cause the system to fail, requiring costly repairs.

- The air conditioning system contains refrigerant under high pressure. To avoid risk of personal injury or damage to the system, adding refrigerant or any repair requiring lines to be disconnected should be done by an experienced technician.



Wheels Maintenance

Tires Maintenance



CAUTION!

To obtain the best performances and the longest mileage from the tires, take following precautions during the first 500 km (310 mi):

- do not drive at the vehicle's maximum speed;
- drive at low speed on curves;
- avoid sudden steering;
- avoid sudden braking;
- avoid sudden acceleration;
- do not drive at high speeds for too long.

The tires inflation pressure must correspond to the prescribed values (see the chapter "Tire Inflation Pressure" in section 8) and should be checked only when the tires have cooled down. In fact, the pressure increases as the tire temperature progressively increases. Never reduce the pressure if tires are hot (see "Tires – General information" chapter in section 5). Insufficient tire inflating pressure can cause tire overheating and possible

internal damage, which may even lead to the tire destruction.



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 it.

Impacts with curbs, holes, and obstacles in the road, and prolonged trips on rough roads can cause tire damage which may not be visible to the naked eye.

Check your tires regularly for any signs of damage (e.g. scratches, cuts, cracks, bulges, etc.). If sharp objects penetrate the tires, they can cause structural damage which is only visible when the tire is removed.

In any case, any possible damage must be inspected by an experienced tire fitter, as it may seriously reduce the tire life.

Remember that tires deteriorate with time, even if used little or not at all. Cracks in the tire tread and sides, alongside possible bulging, are a sign of deterioration.



WARNING!

- Check the inflating pressure of the tires when cold, at least every two weeks and before long trips.
- Have the old tires inspected by an experienced tire fitter, to make sure they can still be used safely. If the same tire has been on your vehicle for 4 or 5 years, have it inspected anyway by an experienced tire fitter.
- Never fit tires of uncertain origin.
- "Directional" tires have an arrow on their side showing the rolling direction. To keep the best performance when replacing a tire, make sure that the rolling direction corresponds to the one shown by the arrow.
- During the tire life, the rolling direction used for the first fitting shall always be observed, also in case of "nondirectional" tires.
- Check the depth of the tire tread at regular intervals. The minimum allowed value is 1,6 mm (0.06 in) at that point the wear indicators on the tire will be visible (see "Tires – general information" in section 5). The thinner is the tread, the greater

(Continued)



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is the risk of skidding.

- Drive carefully on wet roads to decrease the risk of aquaplaning.

Winter Tires

These tires are specially designed for driving on snow and ice and are fitted to replace the ones supplied with the vehicle.

The winter features of these tires are significantly reduced when tread depth is less than 4 mm (0.157 in). In this case, they should be replaced. The specific features of the winter tires lead to lower performance under normal environmental conditions or on long highway trips, compared to the standard tires.

Therefore, their use should be limited to the situations and performance for which they have been type-approved. The **Maserati Service Network** can provide all necessary information about fitting winter tires on the vehicle.

Wheel Trims Maintenance

All wheel trims should be cleaned regularly with a mild soap and water. To remove heavy soil and/or excessive brake dust, use a nonabrasive, non-acidic cleaner.

Do not use scouring pads, steel wool, a bristle brush, or metal polishes.

Do not use oven cleaner that may involve and damage the brake calipers.

Avoid automatic car washes that use acidic solutions or harsh brushes that may damage the wheel trim protective finish.

Bodywork Maintenance and Care

Protection from Atmospheric Agents

The main causes of corrosion are:

- atmospheric pollution;
- salinity and humidity in the atmosphere (marine areas or a damp climate);
- seasonal environmental conditions;
- salt scattered on the roadbed to melt ice and snow.

The abrasive action of wind-carried atmospheric dust and sand, mud and stones should not be underestimated. On this vehicle, Maserati has adopted the best technological solutions to protect the bodywork from corrosion. The main measures are:

- paint products and systems that give the vehicle particular resistance to corrosion and abrasion;
- use of galvanized (or pre-treated) metal sheets which are highly resistant to corrosion in the most exposed parts;
- spraying of the underbody, engine compartment, insides of wheel housings, and other structures with



wax products having high protective power;

- spraying of plastic materials, with a protective function, in the most exposed points: underneath the doors, inside part of the mud guards, edges, etc.;
- use of ventilated box sections, coated with protective wax products, to avoid condensation and trapped water which could encourage the formation of internal rust.

Useful Advice to Keep the Bodywork in Good Condition

Paint

The paintwork does not only have an aesthetic function but also protects the underlying metal sheets. In the event of abrasions or deep scratches, we recommend to have the necessary touch-ups made immediately, to avoid any rust formation. Touch-ups do not feature particular difficulties, even on metallic finishes.

For all paint touch-ups, use only original products indicated on the plate applied on the engine lid.



Normal paint maintenance consists in washing, the frequency of which depends on the conditions of use and of the environment. For example, if driving the vehicle in areas where there is high atmospheric pollution or the roads are spread with anti-freeze salt, it is advisable to wash the vehicle more frequently.



ENVIRONMENTAL!

Detergents pollute water. Therefore the vehicle should be washed in areas equipped for the collection and purification of the fluids used for washing.

NOTE:

The use of alcohol-based products for cleaning the metal plates in the engine compartment and/or the boot may deteriorate the painted surface. It is recommended to use water-based products and neutral surfactants.

Car Wash

For correct washing:

- wet the bodywork with a low pressure water jet;
- pass a sponge with a light detergent solution over the bodywork, frequently rinsing the sponge;
- rinse well with water and dry with an air jet or chamois leather.

When drying, take particular care with the parts that are less visible, such as the door and lid bays, headlight edges, in which water can be trapped more easily.

You are recommended not to take the vehicle immediately into an enclosed environment, but leave it in the open air so as to allow the water to evaporate.

Do not wash the vehicle after it has been left in the sun or when the engine lid is hot: the paint gloss could be affected.



External plastic parts must be cleaned with the same procedure followed for the normal washing of the vehicle. Avoid, as far as possible, parking the vehicle under trees; the resinous substances that very often drop from the trees give the paint a dull appearance and increase the possibility of originating corrosive processes.

It is important that the drain holes in the lower sides of the doors, rocker panels, and trunk bottom be kept clear and open.



CAUTION!

- Bird droppings must be washed off immediately and thoroughly, since their acidity is particularly corrosive.
- To provide better protection for the paint, polish the vehicle at intervals with a suitable product leaving a protective film on the paint.
- If the vehicle is washed using high-pressure water jets or cleaners, it is important that the nozzle of the jet be kept at a distance of at least 40 cm (15.8 in) from the bodywork to avoid damaging it.

Glass Surfaces

All glass surfaces should be cleaned on a regular basis with any commercial household-type glass cleaner.

Never use an abrasive type cleaner. Use caution when cleaning the inside rear window equipped with electric defrosters. Do not use scrapers or other sharp instrument that may scratch the elements.

When cleaning the rear view mirror, spray cleaner on the towel or rag that you are using. Do not spray cleaner directly on the mirror.

Labels can be peeled off after soaking with warm water.

Keep all objects a safe distance from the window.

Cleaning Headlights

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

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

Engine Compartment

At the end of each winter season, carefully wash the engine compartment, remembering to avoid directing the jet of water for too long on the electric parts.

To perform this operation, you must contact the **Maserati Service Network**.

“Car Wash” Mode (if foreseen)

To move the vehicle in tunnel washers, or generally move with engine off, you can use the following modes.

- Shift the gear lever to N (Neutral).
- Manually engage the parking brake pressing the brake pedal and raising the lever located behind the shift lever.
- Turn the engine off by pressing the **START/STOP** button for 5 seconds.
- Within 3 minutes after turning off the engine, manually disengage the parking brake pressing the brake pedal and raising the lever located behind the shift lever.

Through these steps, the driver's door must be closed. This condition will persist for about 25 minutes, the shift



lever will switch to P (Park) once time has expired.

In case of low-battery voltage the shift lever can be placed in P (Park) before this time has expired.

NOTE:

It is also appropriate to disable the Passive Entry function from the MTC system so that the Pre-Short Drop function will not be activated. This prevents water from entering in the passenger compartment during car washing.



WARNING!

- **Performed this procedure the vehicle will stay in N (Neutral), rather without any brake. To avoid accidental movement, always check that the movement of the vehicle take place only on a flat surface.**
- **DO NOT USE this function to haul the vehicle because after a period of time the shift lever will be placed automatically in P (Park) position. If this occur when the vehicle is moving the transmission can be damaged. To haul the vehicle use the emergency manual park release (see "Gearbox Manual Release of P (Park)**

Position" in section 6).

Pre-Short Drop Function

When in a car washing, if the driver keeps the RKE Transmitter in his/her pocket, or in any place outside the vehicle within 1,5 m (5 ft) distance, the front windows will perform a pre-short drop. This is a shorter drop compared to the normal Short Drop performed by the Passive Entry function when you grab the door handle to enter the vehicle.

This prevents water to enter the vehicle between the upper edge of the glass window and the door trim.

NOTE:

If you wish to keep the RKE Transmitter with you or anywhere outside the vehicle while the car is being washed, it is advisable to disable the Passive Entry from the MTC system, for further information refer to chapter "MTC settings" in section 4.

When deactivating the Passive Entry, also the Pre-Short Drop function will be disabled.

Interior Maintenance and Care

Interior trim should be cleaned starting with a damp cloth. Do not use harsh cleaners.

The leather upholstery can be best preserved by regular cleaning with a damp soft cloth. Small particles of dirt can act as an abrasive and damage the leather upholstery and should be removed promptly with a damp cloth. Stubborn soils stains can be removed easily with a soft cloth and appropriate products. Avoid soaking the leather upholstery with any liquid. Please do not use polishes, oils, cleaning fluids, solvents, detergents, or ammonia-based cleaners to clean your leather upholstery. Application of a leather conditioner is not required to maintain the original condition.

Check at regular intervals that there is no water trapped under the mats (due to drips off shoes, umbrellas etc.) which may cause the metal parts to oxidize.

**CAUTION!**

Do not use alcohol, petrol or solvents to clean the instrument panel's transparent dome, the MTC display and the leather upholstery.

Leather Upholstery Treatment

Have the leather upholstery only treated, as provided in the Scheduled Service Plan, by the **Maserati Service Network** which has the required specific products.

Parts in Premium Quality Wood

Remove any dirt with a buckskin leather or damp cloth.

Vehicle Stored for Long Periods

If the vehicle is going to be stored for over a month, follow the below precautions:

- Wash and dry the vehicle thoroughly.
- Store the vehicle in a covered, dry and, if possible, ventilated area.
- Select P (Park) and turn off the engine.
- Disconnect the battery (refer "Maintenance-Free Battery" in this section) or connect a battery charger (refer to paragraph "Maintaining Battery Load" in this section).
- Check the battery charge status. During garaging, this check must be carried out every three weeks. Recharge the battery if the no-load voltage is less than 12.5 V.
- Check that the parking brake is NOT engaged.
- Do not empty the engine cooling system.
- Clean and protect the painted parts applying protective wax.
- Clean and protect polished metal parts with special products available on the market.

- Talc the windshield wiper blades and raise them from the windshield.
- Cover the vehicle with a long cloth in breathable fabric (available from the **Maserati Service Network**). Do not use thick plastic sheets, which do not allow the humidity on the vehicle surface to evaporate.
- Inflate the tires up to a pressure which must be 1 bar (14.5 psi) higher than the normally prescribed one, and check it at regular intervals.

**WARNING!**


The tire pressure must be brought back to the prescribed value before reusing the vehicle (see "Tire Inflation Pressure" in section 8).



Battery Statement

Battery Statement Status of Charge

To avoid problems with ignition and/or the electrical system in general when you are driving, the battery charge status is constantly maintained and guaranteed by the vehicle's recharge circuit; the main component of which is the alternator. This circuit is only able to supply voltage to the battery when the vehicle is travelling.

The warning light  on the instrument cluster, will indicate any malfunctions in the recharge circuit or an insufficient battery charge status (shown in figure).



The amount of voltage that is supplied to the battery to maintain the charge status also depends on the amount of charge absorbed by the systems used

in the vehicle, for example: the air conditioning system, the lights, windshield wipers, the audio system etc. In addition to this, even the traffic conditions you are driving in can influence the amount of charge produced: if, for example, you are travelling on the highway, the alternator supplies more voltage to the battery, whilst in heavy traffic, where the vehicle is continually stopping and starting, the alternator provides less charge. This also applies for the amount of electrical charge stored in the battery to power other electrical devices whilst the vehicle is travelling.

The vehicle is fitted with advanced electronic systems, such as, for example, the alarm system and various electronic control modules, which consume power even when the ignition switch is in the **OFF** position and the vehicle is not being used. Therefore, it is fundamental that the battery is properly charged to ensure that the engine starts properly and that all the electrical/electronic systems in the vehicle work efficiently.

Maintaining Battery Charge

When the vehicle is not going to be used for one week or more, or if you

travel approximately 16 km/10 miles per day and/or 6000 km/4000 miles per year, Maserati recommends connecting the battery to a battery charger, to save you the trouble of having to recharge the battery. The battery charger will keep the battery charged properly and at the correct voltage levels required by the systems and devices in the car.

Before using the battery charger, carefully follow the instructions provided. To connect the device to the battery, see "Battery Recharge" in "Maintenance-Free Battery" of this section.

If you do not use a battery charger to prevent the battery from going flat when you are not going to use the vehicle for long periods of time, you need to check and recharge the battery at least once every three weeks (or if you travel approximately 16 km/10 miles per day and/or 6000 km/4000 miles per year). Please note that allowing the battery to go flat repeatedly can cause premature wear on the internal cells and greatly reduce their life, leading to problems with the ignition system and other electrical/electronic systems.

The **Maserati Service Network** is available to advise you on how to



recharge you battery correctly and give you useful information on battery care and maintenance.



WARNING!

The process of charging or recharging the battery produces hydrogen, a dangerous gas that can explode and cause serious injuries. When charging or recharging the battery, follow the recommended precautions at all times:

- always charge or recharge the battery in a well-ventilated environment;
- never charge or recharge a battery that has frozen: it can explode due to hydrogen trapped inside the ice crystals;
- ensure that any sparks or open flames are kept well away from the battery while it is charging;
- before using a charger to charge or maintain the battery charge status, carefully follow the instructions provided to ensure the charger is connected to the battery safely and correctly.

Restarting the Vehicle

Before restarting the vehicle after a long period of inactivity, we recommend that you carry out the following operations.

- Check the tires for pressure and for any damages, cuts or cracks. If this is the case, have them replaced.
- Do not dry-rub the external surface of the vehicle.
- Visually inspect if there are any fluid leaks (oil, brake and clutch fluid, engine coolant etc.).
- Have the engine oil and filter replaced.
- Check the fluid levels in the brake system, as well as the engine coolant level.
- Check the air filter and have them replaced if necessary.
- Reconnect the battery after checking the charge status (refer to "Maintenance-Free Battery" in this section) and perform the initializing procedure if applicable. You can consult the paragraph "Battery Reconnection" in this chapter for further information on this subject.
- With the gearshift in N (Neutral), let the engine idle for several minutes.



WARNING!

The engine idle must be performed outdoors. Exhaust gases contain carbon monoxide which is strongly toxic and potentially lethal.

Battery Reconnection

- Connect the battery (refer "Maintenance-Free Battery" in this section).
- Unlock and lock the doors using the key fob.
- Initialize the climate control system by activating the system and pressing the AUTO control as described in chapter "Air Conditioning Controls" in section 4.
- Turn on the MTC and set the date and time following the instructions given in the dedicated manual.



CAUTION!

- Every time the battery is reconnected, wait at least 30 seconds with the ignition switch turned to **RUN** before starting the engine, in order to allow the electronic system that manages the motor-driven


(Continued)



(Continued)

throttles to run a self-learning cycle.

At the same time, you can run the date and time set up procedure for the MTC.

- Every time the battery is reconnected the warning lights  and  flash for about 10 seconds and then go off.



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Refillings

Refillings and Recommended Products



CAUTION!

To guarantee vehicle's integrity and maintain performance level always use genuine parts approved and recommended by Maserati.

Parts to be refilled	Quantity	Product specifications
Fuel tank (Gasoline)	80 litres (17.5 UK gal) including 16 litres (3.5 UK gal) of reserve	Premium unleaded fuel with no less than 95 RON/85 MON (91 CLC or AKI).
Fuel tank (Diesel)	70 litres (15.4 UK gal) including 16 litres (3.5 UK gal) of reserve	Premium diesel fuel that meets the requirements of EN590. Biodiesel blends that meets EN590 may also be used.
Engine (Gasoline)	7,2 litres (max) 1.58 UK gal (max) (MIN – MAX difference: 1 litre/0.22 UK gal)	Entirely synthetic multigrade lubricants SAE 5W/40 that meet API SL/CF and ACEA A3, B3, B4 specifications. Recommended oil: SHELL Helix Ultra 5W-40 or Q Horsepower 5W-40.
Engine (Gasoline — AWD)	8,3 litres (max) 1.82 UK gal (max) (MIN – MAX difference: 1 litre/0.22 UK gal)	
Engine (Diesel)	9,1 litres (max) 2.0 UK gal (max) (MIN – MAX difference: 1 litre/0.22 UK gal)	Entirely synthetic multigrade lubricants SAE 5W/40 that meet API SL/CF and ACEA A3, B3, B4 specifications. Recommended oil: SHELL Helix Ultra 5W-40.



Parts to be refilled	Quantity	Product specifications
Windshield and headlight washer fluid tank	5 litres (1.1 UK gal)	Mix of water and detergent fluid, in the proportions indicated on the product package. If the temperature is below -20°C (-4°F), use pure detergent fluid. Detergent fluid: Mix of CUNA NC 956-II surfactants and alcohols. Recommended: Wuerth Windshield Washer Fluid with antifreeze or Arexons DP1.
Windshield washer fluid tank	3,5 litres (0.77 UK gal)	
Engine cooling circuit (Gasoline)	9,2 litres (2.03 UK gal)	Mixture of water and coolant, proportionally 50/50%. Coolant: protective, antifreeze action and ethylene glycol-based with organic inhibitors compatible with regulations: <ul style="list-style-type: none"> • ASTM D 3306, ASTM D 2570 • ASTM D 4340, ASTM D 2809 • SAE J 1034 • CUNA NC 956/16 • FGA 9.55523 or equivalent. Recommended fluid: Paraflu up FO2 Petronas or SHELL Long Life OAT.
Engine cooling circuit (Diesel)	13 litres (2.86 UK gal)	
Hydraulic power steering	-	Recommended oil: SHELL Spirax S1 ATF TASA.
Automatic gearbox (no scheduled maintenance expected)	Gasoline: 7,6 litres (1.67 UK gal) Diesel: 7,7 litres (1.69 UK gal)	Recommended oil: SHELL ATF L- 12108.
Differential (no scheduled maintenance expected)	1,3 litres (0.28 UK gal)	Synthetic Axle Lubricant SAE 75W-90 – FE HYPOID GEAR LUBRICANT.



Features and Specifications

Parts to be refilled	Quantity	Product specifications
Braking system	-	Synthetic fluid: USA FMVSS n. 116 DOT 4, ISO 4925 Class 4, JIS K 2233 Class 5, AS/NZ 1960 Class 3, SAE J1704, CUNA NC 956-01. Recommended fluid: PETRONAS Tutela TOP 4/S.
Air conditioning system	700 gr +/-20 gr (1.543 lb +/- 0.044 lb)	Coolant: r1234yf.



Fuel Consumption

The fuel consumption values shown (litres per 100 km) were established based on homologation tests

prescribed by following European Directives: Direttive CEE 715/2007 and CEE 692/2008.

	Ghibli S (Gasoline)	Ghibli S Q4 (Gasoline-AWD)	Ghibli (Gasoline)	Ghibli Diesel (Diesel)
Urban cycle	15,7 l/100 km	15,8 l/100 km	13,9 l/100 km	7,6 l/100 km
Extra urban cycle	7,3 l/100 km	7,6 l/100 km	7,0 l/100 km	5,0 l/100 km
Combined cycle	10,4 l/100 km	10,5 l/100 km	9,6 l/100 km	5,9 l/100 km

The test procedures adopted for fuel consumption measuring are the following.

- **Urban cycle:** this test begins with a cold start, followed by a simulation of an urban route.
- **Extra-urban cycle:** this test involves frequent accelerations in all gears, simulating use of the vehicle on routes outside urban areas; the speed varies between 0 and 120 km/h (75 mph).
- **Combined cycle:** this is calculated by considering a route consisting of about 37% urban cycle and 63% extra-urban cycle.



CAUTION!

The type of route, traffic and weather conditions, driving style, general condition of the vehicle, equipment/accessories in the vehicle, use of the air conditioning system, vehicle load and other items or situations which may negatively affect the vehicle aerodynamics or wind resistance lead to consumption ratios differing from the indicated ones.



Exhaust Emissions

The CO₂ exhaust emission ratings shown (grams per km) were established based on homologation

tests prescribed by following European Directives: Direttive CEE 715/2007 and CEE 692/2008.

	Ghibli S (Gasoline)	Ghibli S Q4 (Gasoline-AWD)	Ghibli (Gasoline)	Ghibli Diesel (Diesel)
Urban cycle	364 g/km	368 g/km	323 g/km	202 g/km
Extra urban cycle	171 g/km	176 g/km	165 g/km	133 g/km
Combined cycle	242 g/km	246 g/km	223 g/km	158 g/km



Technical data

Engine

Data	Ghibli S / Ghibli S Q4 (Gasoline / Gasoline-AWD)	Ghibli (Gasoline)	Ghibli Diesel (Diesel)
Cylinder number and position	6 - 60° V	6 - 60° V	6 - 60° V
Number of valves per cylinder	4	4	4
Bore x stroke	86,5 x 84,5 mm	86,5 x 84,5 mm	83 x 92 mm
Total displacement	2979 cm ³	2979 cm ³	2987 cm ³
Compression ratio	9.7 : 1	9.7 : 1	16.5 : 1
Maximum power output (EC) - corresponding RPM	302 kW – 410 CV 5500 g/min	243 kW – 330 CV 4750 g/min	202 kW – 275 CV (*) 4000 g/min
Peak torque (EC) - corresponding RPM	550 Nm – 56 kgm 4500 – 5000 g/min	500 Nm – 51 kgm 4500 g/min	600 Nm – 61,2 kgm 2000 – 2600 g/min
Overboost torque - corresponding RPM	550 Nm – 56 kgm 1750 – 5000 g/min	500 Nm – 51 kgm 1600 – 4500 g/min	
(*) 184 kW – 250 CV for Italian market only.			



Properties	
Timing	The timing system uses two overhead camshafts. On the gasoline engines the camshafts are equipped with timing variator.
Timing system control	Timing chain.
Supply	Over-supplied with turbocompressor and related intercooler for each bank.
Injection – Ignition (Gasoline)	High pressure (200 bar) direct fuel injection system. Static ignition with digital electronic control system included and controlled by a single microprocessor ECU.
Injection – Ignition (Diesel)	Common-Rail direct-injection with reduced dwell time-injectors. It features sequential multiple injections with pilot and post injection to deliver highly responsive performance as well as clean raw emissions, assisted by a sophisticated exhaust gas recirculation system. The max injection pressure of the common rail system is 2000 bar.



Transmission

ZF automatic gearbox with 8 gears, torque converter, lock-up clutch and anti-slip function.

Sequential and traditional control type.

Modular TRANSAXLE transmission shaft.

Traction system equipped with rear self-locking differential.

Brakes

Self-ventilating disc brakes on the four wheels. The Electric Parking Brake (EPB) acts on the rear wheels.

Suspension

Front suspensions with double wishbone independent wheels.

Multilink system rear suspensions on independent wheels.

Optional skyhook shockabsorber with electronic controlled dampening.

Steering

Hydraulic speed-sensitive steering with cooling exchanger system.

Steering diameter = 11,7 m (12.8 yd).

No. of steering wheel turns = 1.37 (to the left and right).

	Ghibli S / Ghibli S Q4 (Gasoline / Gasoline-AWD)	Ghibli / Ghibli Diesel (Gasoline / Diesel)
Front disc diameter	360 mm (14 in)	345 mm (13.6 in)
Rear disc diameter	350 mm (13.8 in)	320 mm (12.6 in)



Wheels

NOTE:

- Maserati recommends Maserati Genuine Tires marked with "MGT" logo specifically designed for its models.
- In order to maintain high performance and safety level, Maserati recommends to use tires equivalent to the original size.

Only for front and rear mounting with the same tire 235/50 ZR 18:

- Front and rear rims are different and cannot be swapped.
- Both front and rear tires sized "235/50 ZR 18" can be swapped.



WARNING!

- The maximum speed reachable with the tires is indicated by the tire manufacturer. Always comply with the regulations in force in the Country you are driving in.
- Never exceed the maximum speed indicated for the tires: failure to respect the max. speed may damage these tires. Danger: risk of accident!

Allowed tires size with standard wheel rims	Ghibli S / Ghibli S Q4 (Gasoline / Gasoline-AWD)	Ghibli / Ghibli Diesel (Gasoline / Diesel)
Light alloy rims	18" x 8,5J (front) 18" x 10J (rear)	18" x 7,5J (front) 18" x 8,5J (rear)
- Front tires	235/50 ZR 18 (101Y)	235/50 ZR 18 (101Y)
- Rear tires	275/45 ZR 18 (107Y)	235/50 ZR 18 (101Y)
- Front winter tires	235/50 ZR 18 101V XL	235/50 ZR 18 101V XL
- Rear winter tires	275/45 ZR 18 107V XL	235/50 ZR 18 101V XL
Light alloy spare rim	18" x 6J	18" x 6J
- Spare tire	175/50 R 18	175/50 R 18



Allowed tires size with optional wheel rims	For all models
Light alloy rims	19" x 8,5J (front) 19" x 10J (rear)
- Front tires	245/45 ZR 19 (98Y)
- Rear tires	275/40 ZR 19 (101Y)
- Front winter tires	245/45 ZR 19 98V M+S
- Rear winter tires	275/40 ZR 19 101V M+S
- Front all-season tires	245/45 ZR 19 98V M+S
- Rear all-season tires	275/40 ZR 19 101V M+S
Light alloy rims	20" x 8,5J (front) 20" x 10,5J (rear)
- Front tires	245/40 ZR 20 (99Y) XL
- Rear tires	285/35 ZR 20 (100Y)
- Front winter tires	245/40 ZR 20 99V XL M+S
- Rear winter tires	285/35 ZR 20 100V M+S
Light alloy rims	21" x 8,5J (front) 21" x 10,5J (rear)
- Front tires	245/35 ZR 21 (96Y) XL
- Rear tires	285/30 ZR 21 (100Y) XL
- Front winter tires	245/35 ZR 21 96W XL M+S
- Rear winter tires	285/30 ZR 21 100W XL M+S



Performance

	Ghibli S (Gasoline)	Ghibli S Q4 (Gasoline-AWD)	Ghibli (Gasoline)	Ghibli Diesel (Diesel)
Maximum speed	285 km/h (177 mph)	284 km/h (176.5 mph)	263 km/h (163 mph)	250 km/h (155 mph)
				240 km/h (150 mph) (*)
Accelerations from 0 to 100 km/h	5,0 seconds	4,8 seconds	5,6 seconds	6,3 seconds
				6,7 seconds (*)
(*) For Italian market only.				

Weights

	Ghibli S (Gasoline)	Ghibli S Q4 (Gasoline-AWD)	Ghibli (Gasoline)	Ghibli Diesel (Diesel)
Unladen vehicle weight (with tanks filled, tools and accessories)	1875 kg / 4134 lb (*)	1935 kg / 4266 lb (*)	1850 kg / 4079 lb (*)	1875 kg / 4134 lb (*)
Approved gross vehicle weight	2470 kg / 5445 lb (1130 kg / 2491 lb front axle – 1340 kg / 2954 lb rear axle)	2530 kg / 5578 lb (1190 kg / 2624 lb front axle – 1340 kg / 2954 lb rear axle)	2450 kg / 5401 lb (1110 kg / 2447 lb front axle – 1340 kg / 2954 lb rear axle)	2500 kg / 5512 lb (1160 kg / 2557 lb front axle – 1340 kg / 2954 lb rear axle)
(*) Base configuration without optionals.				



Dimensions

Wheel base	2998 mm (118 in)
Total length	4971 mm (195.7 in)
Width without mirrors	1945 mm (76.5 in)
Width with mirrors	2100 mm (82.6 in)
Front track	1635 mm (64.3 in)
Rear track	1653 mm (65 in)
Front overhang	935 mm (36.8 in)
Rear overhang	1038 mm (40.8 in)
Height	1461 mm (57.5 in)
Boot compartment volume	500 l (110 UK gal)



Tire Inflation Pressure

Cold tire inflation pressure value under the following loading conditions listed in the table below:

- PLC (Partial Loading Condition): considering 2 passengers + luggage.
- FLC (Full Loading Condition): considering 4 or 5 passengers + luggage.

			High speed driving (*)
Load	PLC	FLC	PLC - FLC
Wheel	Front and rear	Front and rear	Front and rear
Pressure	220 kPa – 2,2 bar (32 psi)	260 kPa – 2,6 bar (38 psi)	270 kPa – 2,7 bar (39 psi)
Pressure (**)	230 kPa – 2,3 bar (33 psi)	270 kPa – 2,7 bar (39 psi)	280 kPa – 2,8 bar (40 psi)
Spare tire pressure	350 kPa – 3,5 bar (51 psi)		
(*) Not for winter and all-season tires.			
(**) Only for front and rear mounting with the same tire 235/50 ZR 18.			

NOTE:

For more information about the pressure check methods, see “Tires – General Information” in section 5.



WARNING!

- Improperly inflated tires are dangerous and can cause collisions.
- Under-inflation increases tire flexing and can result in tire overheating and failure.
- Over-inflation reduces a tire's ability to cushion shock. Objects on the road and chuckholes can cause damage that result in tire failure.
- Over-inflated or under-inflated tires can affect vehicle handling and can fail suddenly, resulting in loss of vehicle control.
- Unequal tire pressures can cause steering problems. You could lose control of your vehicle.
- Unequal tire pressures from one side of the vehicle to the other can cause the vehicle to drift to the right or left.
- Always drive with each tire inflated to the recommended cold tire inflation pressure.







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