MASERATI

QUATTROPORTE AUTOMATIC

2009 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 construction of sports, touring and racing vehicles.

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

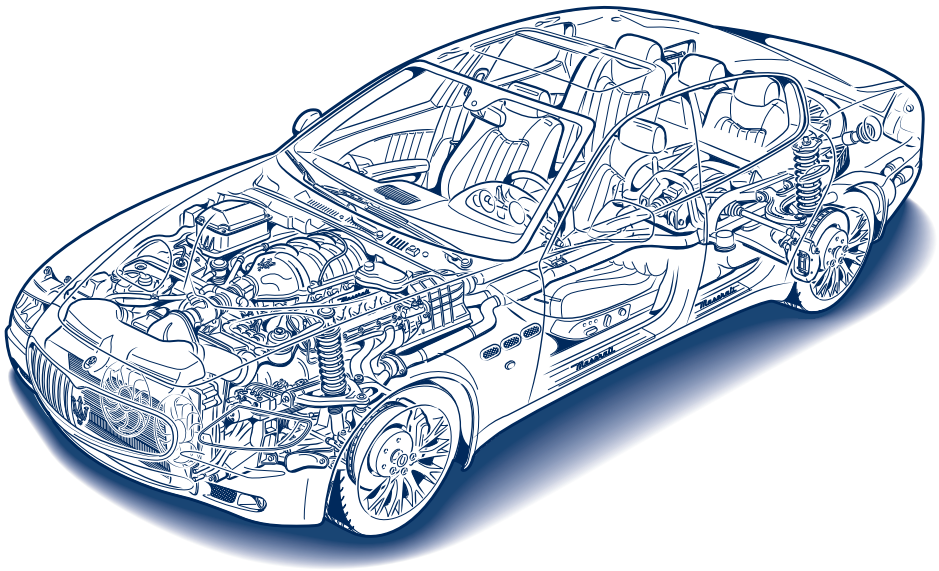
In the final section of this manual you will also find instructions for basic maintenance procedures and the complete Maintenance Schedule, which are needed to ensure steady levels of performance, quality and safe driving.

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 Dealers**: you can trust their trained technical staff, who are constantly updated and provided with the equipment required to ensure that all service operations are performed properly and reliably.

For improved safety, we recommend that you to read this manual carefully before driving the vehicle.

The Owner's Manual is an integral part of the vehicle and it must always be kept on board.



Historical info

1914
The Alfieri Maserati garage is founded in Bologna.

1926
Targa Florio, Tipo 26: debut and victory of a vehicle sporting the Trident symbol on the hood, inspired by the statue of Neptune in Bologna.

1927
Emilio Maserati becomes the outright Italian champion with the Type 26.

1929
Baconin Borzacchini in the Type V4: World land speed record over 10 km at 246 kph.

1930
Borzacchini in the Type V4: first Grand Prix victory in Tripoli.

1933
Maserati, the most prestigious European manufacturer introduces the hydraulic brake control in its racing vehicles. Giuseppe Campari in a Type 8CM wins the French Grand Prix and Tazio Nuvolari wins in Belgium and Nice.

1934
Giuseppe Furmanik in a Type 4CM: World land speed record in the class 1100 at 222 kph.

1939
Wilbur Shaw on a 8CTF wins the Indianapolis 500: Maserati is to remain the first and only Italian manufacturer to win on the legendary Indy motor speedway.

1940
The company moves headquarters to Modena.

1947
The first Granturismo is built: the A6 1500 with bodywork by Pininfarina. The A6GCS racing version debuts victoriously with Alberto Ascari on the Modena circuit.

1954
The 250F, the single-seater which will allow the Maserati to win the Formula 1 World Championships, makes its first appearance winning in Argentina.

1957
Fangio in the 250F wins the world title. At the end of the season, Maserati officially withdraws from racing.

1961
The 3500 GT is the first Italian vehicle to adopt fuel injection.

1963
Production begins of the Mistral and the Quattroporte, the fastest sedan car in the world.

1966
The Ghibli is presented, a coupé designed by Giugiaro.

1968
The Citrôen becomes a partner in the company and the V6 engine goes into production.
The 2+2 Indy is presented.

1971
The Bora is presented, the first Maserati Granturismo with a central engine.
Followed a year later by the Merak.

1973
The Khamsin, designed by Bertone, replaces the Ghibli.

1975
Citrôen leaves the company, which is then bought out by Alejandro De Tomaso.

1976
The new Quattroporte is presented, designed by Giugiaro, which will go on to be used as the official car of the President of the Italian Republic.

1981
De Tomaso changes marketing strategy and starts production of the Biturbo, a two-door sedan with a six-cylinder engine.

1989
The Shamal is the first vehicle to adopt the new biturbo eight-cylinder engine.

1993
Fiat Auto buys out the entire Maserati share package and in 1998 presents the Quattroporte.

1997
Ferrari acquires the majority of Maserati shareholding.

1998
Quattroporte Evoluzione V8 3.2 - V6 2.8.
3200 GT V8.

1999
3200 GT V8 Automatica.

2000
Alfieri Maserati Garage Customization Program.

2001
Production begins of the Spyder with 4200 eight-cylinder engine and the electro-hydraulic, steering-wheel mounted gearbox "Cambiocorsa". Alfieri Maserati garages.

2002
The 2+2 Coupè is presented.

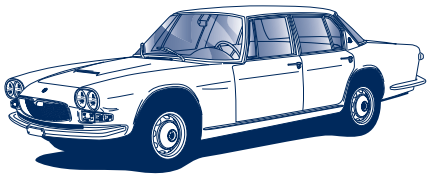
2003
A return to racing with the TROFEO. The Quattroporte designed by Pininfarina is presented, also used as presidential car by the President of the Italian Republic.

2004
The MC12 with 630 HP 12-cylinder engine is born

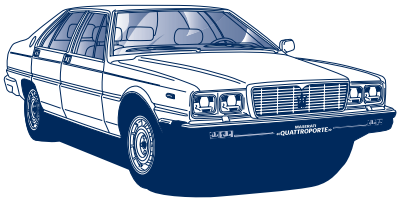
2005
Maserati wins the FIA GT championship with the MC12.

2006
Presentation of the Quattroporte with automatic gearbox.

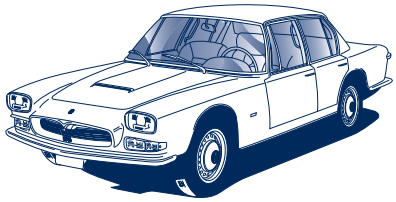
2007
The Granturismo, Coupè 2+2 comes to life.



Quattroporte 1963



Quattroporte 1976



Quattroporte 1965

Introduction

Consulting the Manual

To facilitate reading and rapid use, the topics are sub-divided into SECTIONS and CHAPTERS.
The important parts requiring particular attention are easily identifiable in the sections and chapters:

EXTREME CAUTION REQUIRED: failure to comply with the instructions could cause hazardous situations involving personal and vehicle safety!

WARNING: aimed at preventing any damage to the vehicle and thus hazards involving the safety of persons.

Abbreviations

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

A.C. - AIR CONDITIONING SYSTEM
ABS - ANTI-LOCK BRAKING SYSTEM - Wheel locking prevention system during braking
ALC - ADAPTIVE LIGHT CONTROL - Automatic headlight aiming system
ASR - ANTI-SLIP REGULATION - Prevention of skidding during acceleration
CAN - CONTROLLER AREA NETWORK
DRL - DAY RUNNING LIGHTS
EBD - ELECTRONIC BRAKE-FORCE DISTRIBUTION - Electronically controlled distributor of braking force
EPB - ELECTRIC PARKING BRAKE
ECU - ELECTRONIC CONTROL UNIT
ETD - EMERGENCY TENSIONING DEVICE
MSP - MASERATI STABILITY PROGRAM - Yaw prevention monitoring system
TPMS - TIRE PRESSURE MONITORING SYSTEM.

Updating

The vehicle's high quality level is enhanced by constant improvements. Therefore, there may prove to be differences between this manual and your vehicle.
All specifications and illustrations contained in this manual refer to those resulting as of the printing date, and are subject to change without notice.

Service

The information contained in this manual is limited to those instructions and indications that are strictly required for the use and maintenance of the vehicle.
The Owner will certainly obtain greater satisfaction and the best results from the vehicle by following these instructions carefully.
We also advise you to have all the maintenance services and inspections carried out at your local **Authorized Maserati Dealer**, where you will find specialized staff and suitable equipment.
See the "SALES AND SERVICE ORGANIZATION" manual for locations of AUTHORIZED MASERATI DEALERS.
Your local **Authorized Maserati Dealer** is at your complete disposal for any information and suggestions.

Automatic gearbox

The vehicle is equipped with an electronically-controlled automatic gearbox system which, in addition to the normal automatic gearshift functions, allows the user to shift gears in sequence and manually, once the specific mode has been selected.

For correct use of the gearbox system, follow the instructions given in the specific chapter of this manual.

NHTSA's Toll-free Auto Safety Hotline

If you believe that your vehicle has a defect which could cause a crash, injury or death, You should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Maserati S.p.A. or Maserati North America, Inc.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Maserati North America, Inc.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153), go to http://www.safercar.gov; or write to: Administrator, NHTSA, 400 Seventh Street, SW., Washington, D.C. 20590. You can also obtain other information about motor vehicle safety from http://www.safercar.gov.

Bose® Infotainment

The vehicle is equipped with the Maserati IT "Bose® Infotainment" system, which includes the following features as standard:

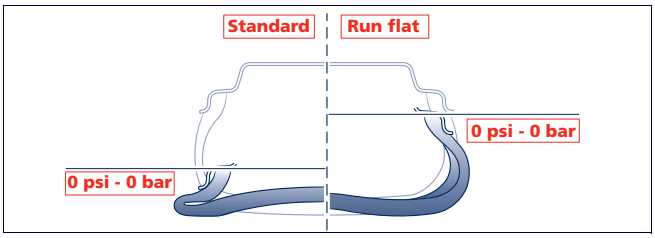
- on-board computer;
- satellite navigation system (where digital maps are available);
- Bose® Surround Sound;
- single CD-reader.

On request, these features can be further enriched with Bluetooth function, AUX socket and USB socket.

"Run Flat" tires (optional)

The vehicle can be fitted with "Run Flat" tires. This kind of tire is equipped with reinforced sidewalls which permit the vehicle to continue traveling at moderate speed (50 mph - 80 km/h), even in the event of a puncture, for a set distance.
When the control panel receives the "punctured tire" information from the tire pressure ECU, it monitors the residual tire life by showing a warning signal in the relevant area on the display after 31 mi. (50 km) and 62 mi. (100 km).
After 75 mi. (120 km), the warning not to continue will be displayed.
For further information on the display, please refer to chapter: "Tire pressure monitoring system" on page 47.

WARNING: Always comply with the specified wheel alignment values, as this is fundamental to obtain the best performance from and the longest life of your tires.



Towing the vehicle

The vehicle has not been designed, developed or homologated to be used as a towing vehicle (e.g., trailers, caravans, etc.) and nothing may be loaded on the roof; fitting structures such as bars or roof-racks may damage the vehicle.

Symbols

There are specific colored labels on or near some of the components on your MASERATI. The related symbols are important warnings that the user must follow when using the component involved.
All of the symbols included in the labelling on your MASERATI are listed concisely here below, along with the component involved with that symbol. In addition, the meaning of the symbol shown is also indicated in terms of the following sub-division: danger, prohibition, warning, compulsory - with respect to that same symbol.

Danger symbols

Battery
Corrosive liquid.

Battery
Explosion

Fan
It can start up automatically even with the engine stopped.

Expansion tank
Do not remove the cap when the coolant is hot.

Coil
High voltage.

Belts and pulleys
Moving devices: keep body parts and clothing away.

Air-conditioning lines
Do not open. Gas under high pressure.

Symbols of prohibitions

Battery
Do not approach with open flames.

Battery
Keep children at a safe distance.

Heat guards - belts - pulleys - fans
Do not rest your hands on these parts.

Engine compartment ECU protection cover
Do not direct the jet of water on the ECUs, relays and fuses.

Warning symbols

Catalytic muffler
Do not park or stop over flammable surfaces. Refer to chapter: “Air Quality devices”.

Hydraulic steering
Do not exceed the maximum level of fluid in the tank. Only use fluid of the type prescribed in the section “Capacities and technical specifications”.

Brake circuit
Do not exceed the maximum level of fluid in the tank. Only use fluid of the type prescribed in the section “Capacities and technical specifications”.

Windshield wipers
Only use fluid of the type prescribed in the section “Capacities and technical specifications”.

Engine
Use only the lubricant recommended in the section “Capacities and Technical specifications”.

Vehicle using lead-free gasoline
Only “Premium gasoline” with an AKI (Anti Knock Index) rating not lower than 91 (approximately 96 R.O.N.) must be used.

Expansion tank
Only use fluid of the type prescribed in the section “Capacities and technical specifications”.

Symbols indicating compulsory measures

Battery
Protect your eyes.

Battery - Jack
Refer to the Owner's Manual.

WARNING: Engine exhaust, some of its constituents, and certain car components contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
In addition, certain fluids contained in cars and certain products of component wear contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Contents

Vehicle identification data

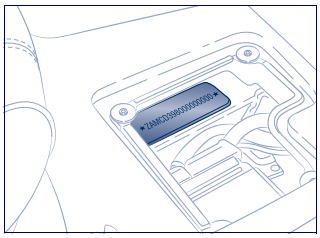
Identification plates

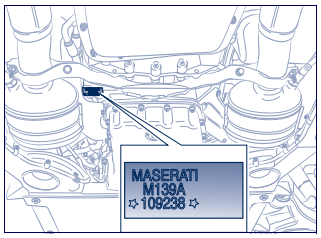
Chassis marking

The vehicle's registration number is punched on the underfloor, in front of the right-hand front seat.
To read the number, lift the mat and remove the guard.

Engine marking

The engine serial number is stamped on the lower part of the crankcase, in the starter motor area.
The engine type is indicated on the plate positioned on the front, left-hand door jamb.





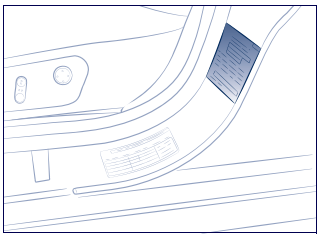
Identification plates

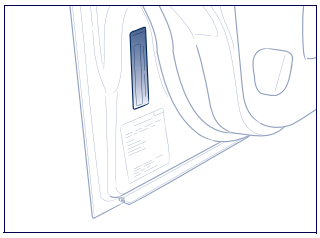
Homologation labels

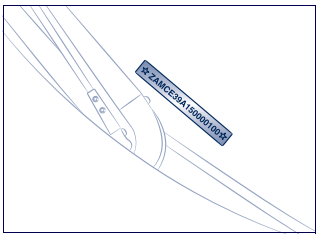
– Label for compliance with safety standards;

– V.I.N. label;

– Chassis type and number;

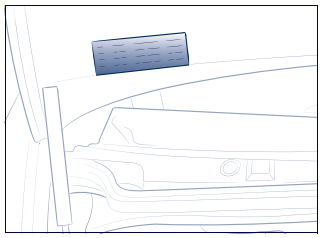






Homologation labels

– Emission control data label.



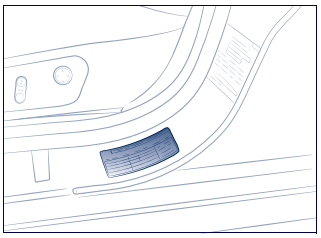
Homologation labels

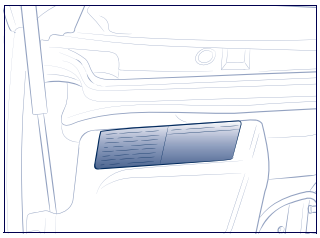
Instruction labels

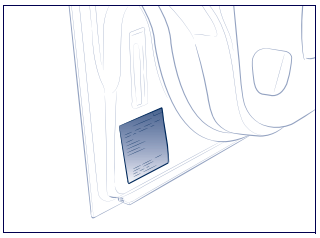
– Tire specification label;

– Lubricant label;

– Mercury content warning label;

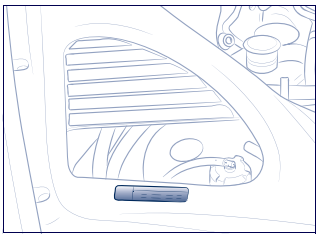






Instruction labels

– Anti-freeze label.



Instruction labels

Key codes

A CODE CARD is supplied with the keys. This card indicates the following:

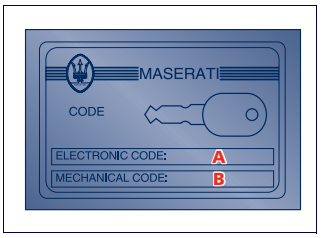
– the electronic code **A** to be used in the procedure for "emergency starts"
– the mechanical key code **B** to be given to your local **Authorized Maserati Dealer** when ordering duplicate keys.

WARNING: The code numbers shown on the CODE CARD should be kept in a safe place.

WARNING: You are advised to always keep the CODE CARD number with you, as this is absolutely necessary in the event of an "emergency start".

WARNING: In the event of a vehicle ownership transfer, it is essential that the new owner is provided with all the keys and with the CODE CARD.

WARNING: It is advisable to write down and keep the codes listed on the plates delivered with the keys and the remote control in a safe place (not in the car) in order to request duplicates if needed.



Active and passive safety

Seat belts

The vehicle is equipped with seat belts with automatic retractor designed for maximum freedom of movement.
The seat belts are equipped with electronically-controlled load limiting devices and pretensioners. In addition, the attachment points of all the seat belts are directly attached to the seat, in order to help ensure optimal protection, whatever the seat position.

Maserati urges you to use the seat belts correctly fastened and adjusted at all times!

Correct use of the seat belts can help reduce the risk of serious injury in the event of an accident.

The passenger and rear side seats are equipped with KISI System, which improves safety when children are traveling in special child seats. The system is activated by pulling out the belt to its full length: once the child seat is securely fastened, the belt can no longer be pulled out and hence the belt/child seat system is exceptionally secure.

When the belt is released and fully retracted, the system deactivates and resumes its normal operation.

Do not pass seat belts over sharp edges. They could tear.

Do not pin anything to the seat belts. This could reduce their initial strength and cause them to tear in the event of a crash.

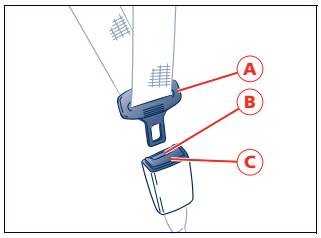
Always deactivate this feature prior to using the seat belt for normal use. Having the retractor locked can be dangerous when the seat belt is used for directly restraining a passenger.

Fastening the seat belts

Extract the lower section of the seat belt from the outer side of the seat and secure it by holding the fastening tang **A,** and pulling out the belt until the tang inserts into the buckle lock **B**.
The belt is correctly engaged when the lock clicks into position. To release the belts, press button **C**.
If the driver's seat belt is not fastened or improperly fastened, the warning light on the instrument panel illuminates.

A buzzer is also activated for approx. 8 seconds when the warning light is on.
The retractor locking device is designed to activate whenever the belt is pulled out too rapidly or in case of sudden braking or collision.
If the belt locks due to too rapid extraction, allow it to retract a short distance to disengage the locking device.
The retractor is designed to allow the belt to automatically fit to the passenger's body, allowing free movement.
When the vehicle is parked on a steep slope, the retractor may lock: this is normal.

WARNING: Feed the belt back into the retractor by hand to avoid twisting and snagging.



Adjusting the front seat belts height (front seats only)

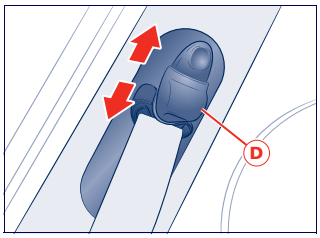
The seat belts height must be adjusted only with the vehicle stationary.

Always adjust the height of the front seat belts so that they suit the driver's and passenger's height. This precaution can help to substantially reduce the risk of injury in a collision. The correct adjustment is achieved when the belt passes about mid-way between the end of the shoulder and the neck.
The upper attachment point of the seat belts is equipped with an oscillating ring capable of moving into 4 different positions, allowing the belts position to be adjusted.

Do not bring cutting edges in contact with a seat belt. This could reduce their initial strength and cause them to tear in the event of a crash.
If a seat belt has been brought in contact with a cutting edge, or has been used to pin something to it, have it immediately replaced at your Authorized Maserati Dealer.

To move the attachment fitting, press control **D**.

After the adjustment, always check that the slider to which the oscillating ring is fixed, is locked into one of the positions provided. With the handgrip released, push again downward to allow the anchoring device to click into place, in the event that it has not been released in one of the positions provided.

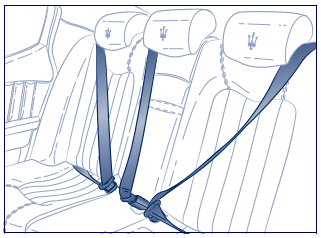


Using the rear seat belts

The belts for the rear seats must be worn as shown in the figure.

Remember that, in the event of a violent impact, the passengers on the rear seats that are not wearing the seat belts are not only subject to personal injury but they also represent a danger for passengers sitting in the front seats.

The seat belts must be worn keeping your chest in the upright position and lying against the backrest.
When the rear seats are not occupied, place the seat belt buckles in their respective seatings.



Seat belts

Load limiting devices

To help increase passive safety levels, the seat belt retractors are equipped with a load limiting device designed to control the belt reeling out, so that the force exerted on the shoulders while the seat belt is in restraining mode can be suitably adjusted.

Pretensioners

To further enhance the seat belt efficiency, the vehicle seat belts (except for the rear central one) are equipped with ETD (Emergency Tensioning Device) pretensioners.
These devices "detect", by means of a sensor, that a violent crash is occurring and retract the belts by a few centimeters. Thisn helps ensure that the belt perfectly adheres to the occupants' bodies before the restraining action takes place.
The smoke is not toxic and does not indicate the presence of a fire.
The pretensioners activate in the following cases:

– Head-on and rear collisions of a sufficient severity
– In certain roll-overs

The pretensioner only activates when the seat belt is fastened.

After the pretensioner activation, the seat belt can be unfastened as usual, by pressing the button on the buckle. The pretensioner does not require any maintenance or lubrication.

WARNING: Tampering with the device will compromise its efficient operation. If, as a result of exceptional natural circumstances (e.g., floods, heavy seas, etc.), the device has been in contact with water and sludge, it is mandatory to replace it. To help ensure the best protection from the pretensioners, wear the belt in such a way that it fits snugly against your chest and pelvis.

The pretensioners can be used only once and activate only when the seat belts are fastened. After activation, contact an Authorized Maserati Dealer to have the pretensioners replaced and for properly discarding the old components. The units have a 14 year service life from the date of manufacture; they must be replaced when their service life is near to expiration.

WARNING: Work on the vehicle which involves blows, vibrations or localized heating in the area of the pretensioners may damage or activate them: vibrations due to uneven road surfaces or unintentional underbody collisions, for instance, should not affect the units. Contact your local **Authorized Maserati Dealer** for any intervention that may be required.

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 your local Authorized Maserati Dealer.

General warnings for using the seat belts

The driver and any passengers are obliged by law to respect and obey the provisions of local legislation regarding the compulsory use of seat belts.

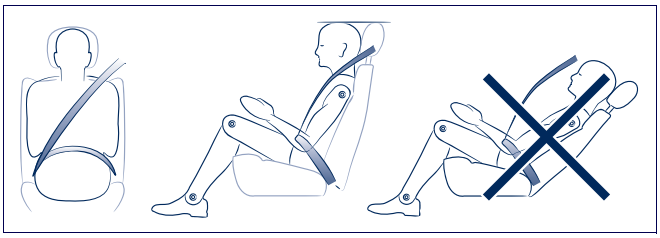
To help provide maximum protection, you are advised to keep the seatback in the most upright position possible and the seat belt close to your chest and pelvis. If the seat belt is loose, in the event of an accident you could move too far forward and could be injured. Travelling with the seatback too far reclined could also be dangerous: even if the seat belts are fastened, they may not work correctly. In fact, the belt itself may not be close enough to your body and, if it is in front of you, it could cause neck wounds or other injuries in an accident. Additionally, in an accident, the lower section of the belt could press against the upper part of your stomach rather than the pelvic area, causing serious internal injuries.

Do not use child seats or child booster cushions/backrests in the front passenger seat. Occupants in the front passenger seat must never sit on the edge of the seat, leaning toward the instrument panel or otherwise sit out of position. The occupants' back must be as upright as comfort allows, and must rest against the seatback with the seat belt properly fastened. Feet must be on the floor (i.e. not on the dashboard, seat or out of the window).

When travelling with one or more child seats fitted on the rear seat of the vehicle, the tables (if equipped) must be in a closed position.

When the vehicle is moving and the table(s) is open, passengers travelling in the rear seats must fasten their seat belts. Travelling without the seat belt fastened increases the risk of injury in the event of a collision.

Always fasten the seat belts. Travelling without the seat belts fastened significantly increases the risk of serious injury in the event of a collision, even with the airbags. In the event of a collision, the seat belts help reduce the possibility of the vehicle's occupants being thrown against the structures of the



Seat belts

passenger compartment or out of the vehicle. The airbags are designed to work together with the seat belts, not to substitute them. The front airbags only deploy in the event of certain head-on collisions of medium or high intensity. They will not be activated if the vehicle rolls over, or in the event of rear bumps or minor frontal collisions, or non-frontal collisions.

Do not fasten your seat belt using the buckle lock for the other seat: in the event of an accident, the lower section of the belt could press against the upper part of your stomach rather than the pelvic area, causing serious internal injuries.

It is extremely dangerous to travel with the belt positioned underneath your arm. In the event of an accident, you would be thrown forward and would likely suffer head and neck injuries. Additionally, if the belt presses against your ribs, it could cause serious internal injuries.

The belt must not be twisted; make sure that it is snugly fitted to the driver's and passenger's bodies. In fact, in an accident, the restraining force would not be distributed evenly along the belt and would consequently cause injuries. The upper part of the belt must pass over the shoulder and diagonally across the chest. The lower section must adhere to your pelvis, not the stomach, to avoid that you slide forward in the event of a collision. Do not use devices (clips, fastenings etc.) that prevent the seat belts from laying close to the passenger bodies.

Do not carry children on a passenger's lap using only one seat belt for protecting both of them.

If the seat belt has suffered a heavy mechanical stress, for example during a collision, it must be completely replaced together with its anchorages, the screws fastening the said anchorages and the pretensioner. In fact, even if there are no visible defects, the resistance level offered by the seat belt could be reduced.

Pregnant women must observe local legislation regarding the use of seat belts. Make sure, in any case, that the lower section of the belt is positioned well down on the hips, below the abdominal region of the body.

How to keep seat belts efficient

1) Always use the seat belts keeping the belt perfectly flat, not twisted; make sure the belt can slide freely, without jamming.

2) The seat belts must be replaced following every pretensioner activation and whenever the belt itself shows visible damages or abrasions.

3) Wash the seat belts by hand using water and neutral soap, rinse them and let them dry in the shade. Do not use strong detergents, bleaches or colorants and any other chemical substance that could weaken the belt fibers.

4) Make sure the retractors do not get wet: as they will not operate properly.

Proper transport of children

For the best protection in the event of a collision, all the vehicle's occupants must travel seated and protected by all the suitable restraining systems. The seat belts are designed to be used by persons whose physical characteristics (age, height, weight) are provided for by established legislation in each country. Anyone who does not comply with these provisions may not travel in the front passenger seat. This also applies to children. Their heads are proportionally heavier and larger than those of adults, while their bones and muscles are relatively undeveloped. To help protect them in case of a collision, they must use special restraint or safety systems, even in the rear seat.

Incorrect fastening of a child restraint system increases the risk of injury to the child in the event of a collision.

The seat belts on the vehicle have been designed and tested to protect people weighing at least 79 lbs (36 Kg) and taller than 59 in (1.50m).

To help properly protect a child outside these limits, specific restraint systems with dedicated belts or accessories capable of adapting the child's position to the vehicle's seat belts must be fitted.

If a child seat is installed on the front passenger's seat, the seat must be positioned completely backwards and upwards.

We recommend that child seats be installed in the rear seating positions ONLY.

Even with advanced airbags, children should always be seated in the rear seats. The rear seat is the optimal location for children.

The use of specific restraint systems for newborns and children is mandatory, as provided by the law in all the 50 States of the United States, the District of Columbia, the USA territory and the Canadian provinces.
Newborns and children must travel seated in suitable restraint systems, using adequate safety abdominal or diagonal belts or, if present, an upper anchoring point and a system with 2 lower anchoring points, in order to be compliant with the U.S. Federal Motor Vehicle Safety Standards 213 and 225 and with the Canadian Motor Vehicle Safety Standards 213 and 210.2.

No child under 12 should travel in the front passenger seat.

No child seat can be installed in the rear, central seat.

When traveling with one or more child seats fitted on the rear seat of the vehicle, the tables must be closed.

Children must never travel seated on a passenger's lap. In a collision, a child becomes so heavy that it is impossible to hold onto him or her. For example, in the event of a collision at only 25 mph (40 km/h), a child weighing 12 lbs (5.5 kg) exerts a force equal to 240 lbs (110 kg) on the arms of the person carrying him/her. Children must always be protected by a suitable restraining system when travelling.

WARNING: The vehicle is equipped with airbag technology that no longer uses a Passenger Airbag Off function to indicate that the front passenger seat is occupied.
Children should be properly restrained in suitable child seats, which must be properly installed in the vehicle (following the child seat manufacturer's instructions), and be placed in the rear passenger seating area.

Children (or adults) who are resting on the airbag or are too close to it when it is activated, may be seriously injured. The airbags and pretensioners are designed to offer suitable protection for adults and teenagers, but not for children and babies. Neither the seat belts or the airbags are designed for them. Children and babies must travel in suitable restraining systems.

Babies must be supported completely, including their head and neck. This is necessary since the babies neck is weak while their head is proportionally bigger and heavier in relation to their body. In a collision, if a baby is travelling in a rearward-facing seat, the forces of an impact are distributed throughout the strongest parts of the body, i.e., the back and shoulders. Babies must always be protected by a suitable restraining system when travelling.

Babies travelling in a rearward-facing seat may be seriously injured in the event of airbag activation. This could happen because the seatback of the child's seat may be positioned extremely close to the airbag at the moment it is inflated. Do not place an infant or a child in the front passenger seat at any time.

The structure of a child's body is completely different from that of an adult or a teenager (whom the seat belts are designed for). Children's hips are so small that the seat belt will not stay in the correct position on them. The belt may rise up on the child's stomach and, in the event of a collision, can cause serious internal injuries. Children must always be protected by suitable restraining systems.

We recommend that child seats be installed in the rear seating positions ONLY.

All minors whose physical characteristics (age, height, weight) fall within the value ranges/limits provided by established legislation in each country must also be protected by special restraint or safety systems (e.g., certified child seats, booster seats). Make sure to always use approved universal child restraining systems. Follow the instructions that the manufacturer of the device is required to supply together with the child restraint systems.
To help ensure the best restraining action of the child seats, we recommend that you choose the model that best suits the shape of your seats. If possible, try to install the seat on the vehicle before purchasing it. Do not install child seats that, when placed on the seat, have an unstable or unnatural position due to the shape of your vehicle seat.

In an emergency situation, if you have to carry a baby in a specific child seat facing rearward on the front passenger seat:

- adjust the front pasenger seat to the most rearward position;
- install the child seat following the instructions provided by the child seat's Manufacturer;
- position all the movable parts of the child seats (e.g., handle, reclining seatback, sunshade etc.) carefully following the instructions provided by the Manufacturer and found on the instructions manual of the same child seat.

The seat belts on the front passenger seat and on the rear side seats are fitted with the KISI system, which improves safety when children are travelling in special child seats.
The system is activated by pulling out the belt to its full length:
once the child seat is securely fastened, the belt can no longer be pulled out and hence the belt/child seat system is exceptionally secure.
When the belt is released and fully retracted, the system deactivates and resumes its normal operation.

To help ensure the best restraining action of the child seat, we recommend that you choose the seat that best suits the shape of your vehicle's seat and that you try to install the child seat before purchasing it.

In the event of an accident, an improperly fastened child restraining system can increase the risk of injury.

Rearward-mounting child seats must not be used on front passenger seats equipped with airbags, as these could cause serious injuries during inflation, even in minor collisions.
We recommend that you always carry children seated in their specific child seats, which must be fitted on the rear seat, as this is the safest place in the event of a collision.

No modifications can be made to the seat belts and the child restraining systems.
Established legislation in some countries already provides that children under 12 years of age may not travel in the front passenger seat.

Check on the label found on the child restraint system and on the manual provided by the child seat manufacturer that the system complies with the above mentioned standards, as certified by the manufacturer declaration.

Whenever using a restraint system for newborns or children, we recommend that you carefully read and follow the instructions provided by the child seat manufacturer on installation and use.

Please read and observe the instructions on the warning labels found inside the vehicle and on the restraint devices for newborns and children.

To fasten the child seat to the vehicle seat, follow the assembly instructions provided with the restraint system itself. Then fully pull out the seat belt to then let it rewind. During rewinding, you will hear a click sound: this means that the special retractor has activated. The seat belt is now locked. Then push the child seat against the seat to rewind any excess length of the seat belt. To deactivate the retractor, unbuckle the seat belt and let it rewind completely. The seat belt can now be used normally.

Never unbuckle the seat belt that retains the child seat when the vehicle is moving.

When the child seat is not used, remove it from the vehicle or fasten it using the seat belt, in order to prevent it from being projected out of the vehicle in the event of an accident. Never leave children unattended in the vehicle, even if they are secured and seated in their child seat. Unattended children in a child seat may use some of the vehicle equipment and cause accidents and/or serious personal injuries.

Children whose weight/height are below the minimum limits established by the manufacturer of the child restraint systems must use the standard seat belts. Adjust the seat belt in a diagonal position, across your chest and on your shoulder, and not on your neck or face. Starting from a weight of 41 lbs (approximately 18.60 Kg), it may be necessary to add a rise cushion to obtain a correct position for fitting the seat belt, until the children reach a sufficient height to have an abdominal/diagonal seat belt suitably fitted without needing a rise.

Below is a summary of the safety regulations applying to the transport of children:
We recommend that you always carry children in the specific restraining systems installed in the rear outer seats, as this is usually the best place in the event of a collision.
Always and strictly follow the instructions that the manufacturer provides with the seat.
Keep the instructions in the vehicle together with the documents and this manual. Do not use a seat which does not have any instructions for use.

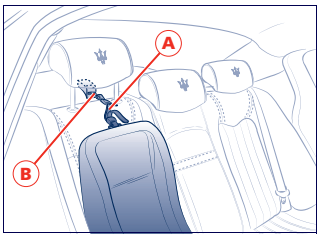
WARNING: We recommend that you choose the seat that best suits the shape of your vehicle's seat and that you try to install the seat before purchasing it.

Always pull on the seat belt to check that it is locked in place.
All restraint system must be used by a single passenger only: never carry two children in the same seat.
Always check that the seat belts are not resting against the child's neck.

Always drive slowly and carefully when carrying a child. Hard accelerations due to sport-style driving can be dangerous for children, even if no crash occurs.

Even with advanced airbags, the rear seat is the safest location for children. Whenever possible, always place children in the rear seats.

Do not allow the child to assume incorrect positions or undo the seat belt /child seat safety harness during travel.
Do not carry children in your arms, even new born children. Nobody, however strong, can hold on to a child in the event of a collision.
After an accident, always replace the child seat with a new one.
The vehicle is designed for mounting child seats with top anchoring.
To fit the child seat, run the belt **A** through the support pins of the headrest and anchor it on one side to the backrest of the child seat and on the other side to the bracket **B** on the car body.

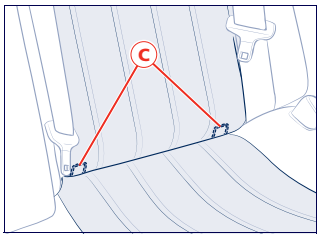


This anchoring point can be easily identified thanks to the logo found on the Isofix bracket covering cap shown below:

Then anchor the base of the child seat to the brackets **C**.

Latch system

The rear side seats of the vehicle are equipped with anchoring points for Latch system child seats. This is a new system complying with applicable standards for carrying children.
This system offers a special anchoring system for child seats, which uses two metal brackets **C** positioned between the seat cushion and backrest.



These metal brackets are easily identifiable through the label bearing the logo shown below.

The seats designed for Latch system child seats installation can however be fitted with standard child seats; you can install a standard and an Latch system child seat at the same time (one in each outer rear seat).
No more than two standard child seats or two Latch system type child seats can be installed on the rear seats.
Only standard type child seats can be mounted on the front passenger seat.

Fit the child seat only when the vehicle is stationary. The child seat is correctly anchored to the provided brackets when a click indicates it is locked in place. Follow the mounting, removal and positioning instructions provided by the child seat manufacturer.

Fitting the Latch system child seat in rearward-facing position

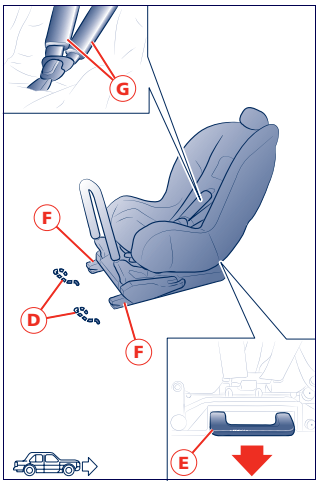
To fit the Latch system child seat in a rearward-facing position, be particularly careful that the brackets **D** are properly inserted in their seatings **F**.
The baby is then secured by the child seat's harness **G**.

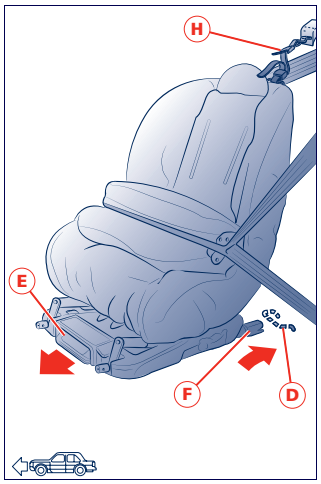
Fitting the child seat in frontward-facing position

For installation, proceed as follows:

– make sure that the release lever **E** is in the standby position (retracted);
– align the anchoring points **F** with the brackets **D,** then push the seat until you hear it click into place, which indicates it is secured
– check for correct locking by trying to move the child seat with strength; the safety mechanisms in fact, help prevent the child seat from being improperly fitted if only one of the attachment fittings is locked.
– pass the strap **H** underneath the rear headrest and anchor it onto the child seat backrest and onto the bracket on the car body.

This way, the child seat is retained not only by the brackets **D** but also by the vehicle seat belt and by the upper strap **H**.
In any case, see the instruction booklet provided with the child seat for fitting the vehicle belts into the seat correctly.





Proper transport of children

Remember, the best child safety seat is the one that fits your child properly, is easy to use, and fits in your vehicle correctly. The best way to ensure a proper fit in your vehicle is to try installing the child seat before purchasing.
You can be certain you've installed your child safety or booster seat correctly by having it checked at a child safety seat inspection station or by a certified child passenger safety technician. To find one near you, visit http://www.nhtsa.dot.gov/CPS/CPSFitting or www.seatcheck.org. You can also call 1-888-DASH-2-DOT or 1-866-SEATCHECK.

Transport of persons with disability

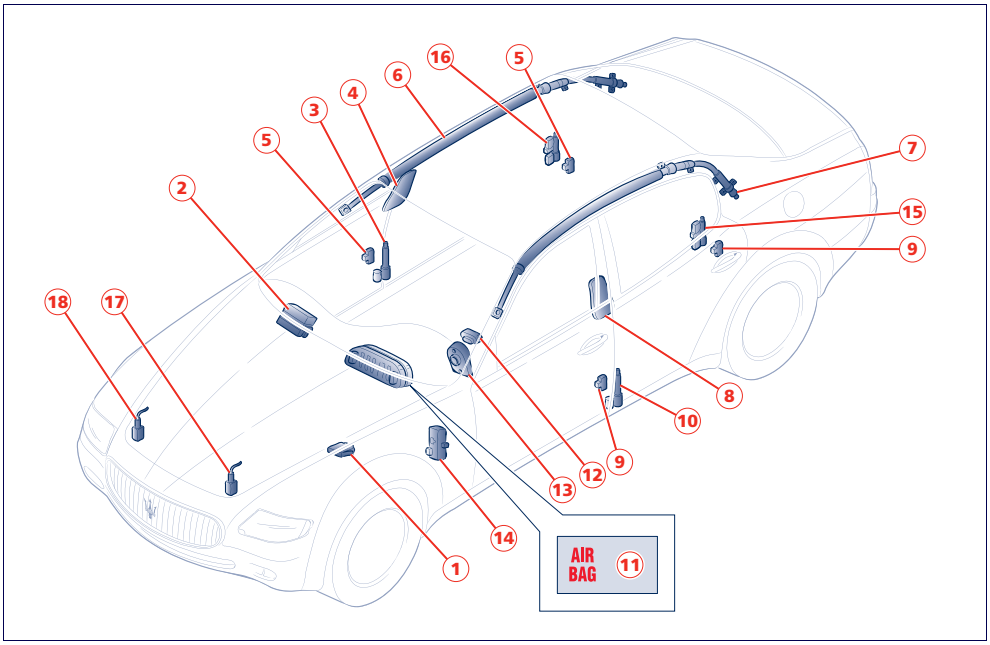
If it is necessary to modify the advanced airbag system of your vehicle to accommodate a person with disabilities, contact an **Authorized Maserati Dealer**.

The advanced airbag system of your vehicle is not designed to protect adults with disabilities that require deactivation of the passenger or driver airbag.

If you or or another occupant is an adult with a medical condition that requires airbag deactivation, please contact an Authorized Maserati Dealer.

As long as the airbag 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.

Front and side airbags



Front and side airbags

The vehicle is equipped with 6 airbags (2 front and 4 lateral ones) and with electronically- controlled pretentioners for all of the seats belts except for the rear central one.
The system components are the following:

1) Electronic control unit
2) Passenger's front airbag
3) Front passenger seat belt pretensioner
4) Passenger side bag
5) Satellite collision sensor on passenger side
6) Passenger's window bag
7) Driver's window bag
8) Driver side bag
9) Satellite collision sensor on driver side
10) Front, driver seat belt's pretensioner
11) Airbag system failure warning light
12) Driver's frontal airbag
13) Clock Spring
14) Diagnostics socket
15) Rear left-hand pretensioner
16) Rear right-hand pretensioner
17) Front left-hand Crash Zone Sensor
18) Front right-hand Crash Zone Sensor.

Front airbags

The airbag is not a substitute for the seat belts. Correct use of the seat belts, in combination with the airbag, will offer protection for the driver and passenger in the front seat in the event of a head-on collision

Airbag system components

The airbag system is composed of two cushions that are designed to inflate almost instantaneously. One (**12**) is on the driver side, in the center of the steering wheel, and the other (**2**) is on the passenger side, inside the dashboard.

Deployment

The front airbags of your vehicle have been designed to inflate in 2 stages. This allows the airbag to have different rates of inflation based on the crash severity, as assessed by the airbag control unit.
The **driver's airbag** is designed to be deployed in certain head-on collisions according to the following strategy.

- For low severity crashes, the airbag control unit will not deploy the airbag.
- For crashes of higher severity, the control unit will deploy the driver airbag in low energy mode.
- For crashes of even higher severity, the control unit will deploy the driver airbag in high energy mode.

The front passenger's airbag is designed to be deployed in certain head-on collisions according to the following strategy.

- For low severity crashes, the airbag control unit will not deploy the airbags.
- For crashes of higher severity, the control unit will deploy the airbag in low energy mode.
- For crashes of even higher severity, the control unit will deploy the airbag in high energy mode.

Never place an object over or near the driver and passenger airbags. In the event that the passenger airbag is deployed, it will project any object over it, or near it, in the passenger compartment at very high speed. The object will be transformed into a projectile propelled in the passenger compartment. This could cause serious injuries.

Do not tamper or damage the airbag modules. If, for any reason, an airbag cover gets damaged, have the airbag module immediately checked by an Authorized Maserati Dealer.

Activation of a damaged module could cause serious or fatal injuries. Please note that your vehicle is not capable of automatically detecting damages to the airbag cover.

Operation and replacement

The airbags are controlled by an ECU that is designed to activate them in the case of a head-on collision of sufficient force.
In the event of a collision with an impact force that causes deceleration exceeding the value set for the internal sensor, the ECU will transmit a signal to deploy the airbags. The airbags will begin to inflate, breaking the cover along the breakage line and will inflate completely in a few milliseconds. Once inflated, they will serve as a protection between the driver and/or passenger and the structures that could cause injury. The airbags deflate immediately afterwards.

The driver and passenger are both advised not to travel handling objects (e.g., beverage cans or bottles, pipes, etc,) that could cause injury in the event of airbag activation.

WARNING: When the system starts operating, gases are released in the form of fumes, together with the gas used for inflating the airbags. These gases are not harmful.

Drive with your hands always on the rim of the steering wheel so that, in the case of activation, the airbag can inflate without obstruction. Placing hands or arms inside the rim increases the risk of arm/hand injuries in the event of a crash.

Always keep the seat backrest in the upright position and sit with your back properly resting against it.
Do not modify the system components or wiring under any circumstances.

With the ignition key inserted and in position II, although the engine is off, the airbags can still be activated when the vehicle is stationary if it is hit by a moving vehicle.
Thus, even with the vehicle stationary, do not put children in the front seat. In addition, remember that if the ignition key is in position 0, none of the safety devices (airbags or pretensioner) are activated in the event of a collision. Failure of the airbags to inflate in these circumstances is not indicative of system malfunction.

WARNING: Do not cut or tamper with the connectors of the airbag harness or on the airbag modules.
Do not cover the steering wheel and the top part on the instrument panel on the passenger's side with any tape or label, or treat it in any way.
Never remove the steering wheel. If necessary, this procedure should only be performed by an **Authorized Maserati Dealer**.
All the airbag system components must be replaced after an accident that has caused airbag deployment.
Following an accident not involving airbag activation, you must contact an **Authorized Maserati Dealer** to have the system checked and replace any system components that may be damaged or malfunctioning.

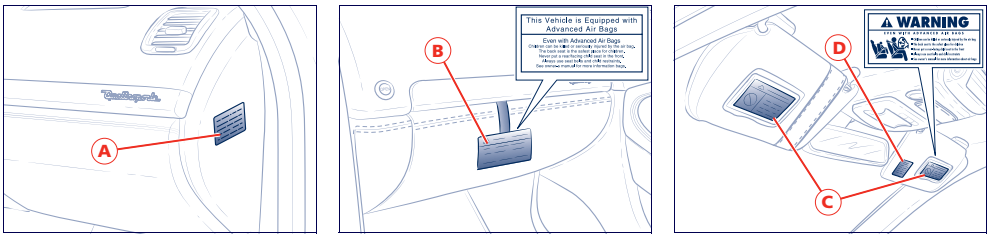
Damaged or defective components of the airbag system cannot be repaired but must be replaced.

WARNING: Improper intervention involving the system components can cause failures or undesired activation of the airbags with damage resulting.
The airbag system components have been specially designed for this specific vehicle model. Do not attempt to use them on other vehicles, as this could cause serious injuries to passengers in the event of an accident.
To scrap the vehicle, please contact an **Authorized Maserati Dealer** to have the airbag system disposed of properly.
If the vehicle has been stolen or there has been an attempted theft, have the airbag system checked by an **Authorized Maserati Dealer**.

The airbag modules must be replaced at the intervals indicated in the "Warranty Booklet and Maintenance Schedule", even if the vehicle was not involved in collisions.

The label **A** on the right-hand side of the dashboard, bears the airbag system expiration date. Please contact an **Authorized Maserati Dealer** for replacement of the system when this date approaches.
The labels **B**, **C** and **D** indicate that the airbag system is installed.

*Note: The label **B** on the dashboard can be removed.*



Front and side airbags

Front and rear side airbags

The lateral airbags are designed to help enhance the protection offered to passengers travelling in the front and rear seats in case of moderate to severe lateral collision.
They consist of two types of near instantaneous inflation bags:

– Side Bags housed in the front seats backrests; this solution allows the airbag to be always in the approximate position with respect to the occupant, regardless of the seat position.
– Window bags housed behind the roof lateral panels and covered by special trim panels that do not interfere with the bags unfolding downwards during inflation. This solution, designed to help protect the head region, offers passengers sitting in the front and in the rear appropiate protection in the case of a side impact, thanks to the large area covered by the bags.

In the event of a side impact, an electronic control unit processes the signals coming from a deceleration sensor and deploys the side airbags if necessary.

The bags inflate near instantaneously, acting as a protection between the occupants body and the side of the vehicle. The bags deflate immediately afterwards.

WARNING: The electronic control unit provides for the activation of the pretensioners, front airbags or side airbags (front and rear) based on different criteria, according to the type of impact.
The fact that one or more systems do not activate is not indicative of a system malfunction.

In the case of low impact lateral collisions (for which the retaining action of the seat belts affords adequate protection), the airbags are not designed to inflate.
It follows that the front airbags (on driver and passenger side) do not replace or substitute the seat belts but supplement them, and hence the seat belts must always be worn as provided by established legislation in most countries.

The side airbags are not disabled when the front passenger airbag is deactivated. Thus even children being transported in the front passenger seat are protected from lateral collisions by the side airbags.
The front and/or lateral airbags may also inflate if the vehicle suffers a violent impact beneath the car body, for example when the underbody collides with steps or speed bumps, potholes, etc.

WARNING: Airbag inflation releases a small amount of powder. This powder is not harmful and does not indicate the presence of fire; furthermore the surface of the deployed bag and the interior of the vehicle may be covered with a powdery residue: this powder may irritate skin and eyes. If contact occurs, wash with a pH neutral soap and water.

If the warning light AIR BAG comes on when the vehicle is running (indicating a fault), contact your local Authorized Maserati Dealer as soon as possible to have the system checked.

WARNING: The airbag system has a service life of 14 years. Contact your local **Authorized Maserati Dealer** when this period is near to expiration.

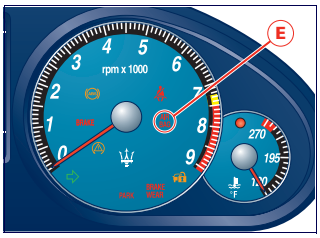
In the event of a collision with consequent airbag inflation, contact your local Authorized Maserati Dealer for replacement of the entire safety system, electronic control unit, seat belts, pretensioners, and to have the vehicle's electrical system checked.

All testing, repairs and replacements of the airbag system must be done by an Authorized Maserati Dealer.

WARNING: In the case of scrapping of the vehicle, contact your local **Authorized Maserati Dealer** to have the system deactivated.

WARNING: If the vehicle is sold, the new owner must be informed of the aforesaid instructions for use and warnings, and he/she must also be provided with the "Owner's Manual".

The electronic control unit activates the pretensioners and front/lateral airbags based on different criteria, according to the type of collision. The fact that one or more systems do not activate is not indicative of a system malfunction.



General warnings

When the ignition key is turned to the MAR (ON) position, the warning light AIR BAG comes on, but it switches off after approx. 5 seconds. If the warning light fails to come on at this time, or stays on, or lights up when driving, contact your local Authorized Maserati Dealer immediately.

Drive with both hands on the steering wheel rim, so that if the airbag inflates it can do so freely, without encountering obstacles which can cause serious injuries. Do not drive with your body curved forwards but keep the seatback upright, with your back fully against it.

Do not apply stickers or other objects to the steering wheel or the passenger's airbag compartment.

Do not travel with objects in your lap, in front of your chest or especially with a pipe, pencil or other objects held in your mouth. In the event of a collision, the deployment of the airbag could result in serious injury.

Do not cover the front seatbacks with clothing or covers.

Note that with the ignition key inserted and turned to the MAR (ON) position, even with the engine switched off, the airbags can inflate even if the vehicle is stationary, if it is struck by another vehicle. Therefore, even with the vehicle stationary, children must be secured by the specific child restraint systems installed on the passenger seat. On the other hand, the airbags will not inflate in the event of collisions with the vehicle stationary and the key removed from the ignition lock; failure of the airbags to inflate in these circumstances is not indicative of a system malfunction.

If the vehicle has been the object of theft or attempted theft, if it has been vandalized or involved in flooding, contact your local Authorized Maserati Dealer to have the airbag system checked.

If interventions are carried out on the electrical system incorrectly, the airbag could be activated, thereby causing injuries to anyone in the vicinity.

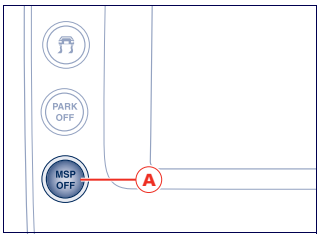
The airbags do not replace the seat belts but act as a supplementary restraint system. Moreover, in the event of head-on collisions at low speed, side impacts, rear impacts or roll-overs, the passengers are protected by the seat belts only, that must always be fastened.

Do not wash the seats with water or pressurized steam.

Do not hang rigid objects onto the clothing hooks or onto the handholds.

MSP System

The vehicle is equipped with the **MSP** (Maserati Stability Program) yaw prevention monitoring system, encompassing all of the vehicle's control systems: ABS, EBD, ASR and MSR. The system is fitted with a unit that is designed to predict the vehicle's behavior accurately. The system is designed to detect whether the driver is about to lose control of the vehicle. In this case, it can activate the brake calipers individually and the engine control, in order to create a torque sufficient to resist the vehicle's yawing movement.



Activation

The **MSP** system is activated automatically every time the engine is started, and it can be disengaged by pressing button **A** for approx. 2 seconds. Press button **A** again to reactivate the system.
The dark yellow ⚠ warning light on the instrument panel flashes during all the activation phases.

Fault indicators

In the event of a fault, the system is automatically disabled and cannot be reactivated. This condition is signalled, while driving, by the amber warning light ⚠ that comes on both on the instrument panel and on the multi-function display. On the latter, the warning light is accompanied by the message "**MSP** failure go to dealer". When the engine is started, the system malfunction is indicated by the illumination of the warning light ⚠.

WARNING: In the event of a fault with the **MSP** disabled, the vehicle will react as if it were not equipped with this system: have the system checked by your local **Authorized Maserati Dealer** as soon as possible.

WARNING: Make sure that the ignition key is turned to **STOP** if you have to tow the vehicle with 2 wheels raised off the ground. Otherwise, with the **MSP** switched on, the respective control unit will store a malfunction, resulting in the illumination of the warning lights ⚠ on the instrument panel and on the display: this requires the intervention of your local **Authorized Maserati Dealer** to restore the system.

WARNING: In low- and medium-grip conditions (e.g., rain, snow, ice, sand, etc.) it is advisable not to activate **SPORT** mode, even with the **MSP** enabled.

WARNING: Driving on parabolic curves will deactivate the system.

ASR system (electronic anti-skid device)

The **ASR** system is designed to help prevent skidding of the driving wheels during acceleration by means of the engine control unit (spark advance delay, engine throttle opening reduction and fuel injection cut-out) and of the rear brakes.
The ASR system enhances the vehicle stability and helps improve active safety while driving, especially under the following conditions:

- internal wheel skidding on curves because of the dynamic load variations or excessive acceleration
- excessive power transmitted to the wheels, also in relation to the road conditions
- acceleration on slippery, snowy or icy roadways
- loss of road grip on wet roads (aquaplaning).

The ASR system works together with the electronic suspension control s**ystem: under normal conditions (SPORT** mode off), stability in low and medium grip conditions has priority, while with **SPORT** mode active, the system favors traction, thereby optimizing vehicle's performance on dry asphalt.

Activation

The **ASR** system is automatically activated every time the engine is started and can be deactivated by pressing button **A** for about 2 seconds. Press button **A** again to reactivate the system.
The dark yellow ⚠ warning light on the instrument panel flashes during all the activation phases.

Fault indicators

In the event of a fault, the system is automatically disabled and cannot be reactivated. This condition is signalled, while driving, by the amber warning light, ⚙ that comes on the multi-function display, accompanied by the message "**ASR** failure go to dealer".

MSR function (engine braking torque adjustment)

The **MSR** system is also designed to control the engine braking torque when the accelerator pedal is released under low grip conditions (e.g., snow, ice, etc.): in these conditions, in fact, the engine's high braking torque may cause instability of the vehicle.
The system, using the same sensors as the ABS, detects the skidding arising on one or both of the driving wheels when the accelerator is released and opens the motor driven throttle for the engine supply system, thereby reducing the braking torque and restoring the driving wheels maximum grip conditions.

WARNING: The maximum deceleration that can be obtained with the engine braking always depends on the tire grip on the roadway. Snow or ice obviously reduce grip levels.

ABS and EBD systems

The vehicle is equipped with ABS (Anti-lock Brake System) and EBD (Electronic Brake force Distribution) systems which, by means of the ABS system sensors and the ECU, are designed to improve the braking system's performance.
In the event of an emergency stop or braking on slippery surfaces (e.g., snowy or icy roadways), the ABS, together with the standard braking system, is designed to allow the driver to apply maximum braking force without causing the wheels to lock and consequently losing control of the vehicle.
The system is based on an electronic control unit that processes the signals coming from 4 sensors fitted on the 4 wheels.
When a wheel tends to lock, the sensor warns the unit which, in turn, requests an electro-hydraulic unit to intervene by modulating the pressure exerted on the brake; the driver will perceive a "pulsation" on the brake pedal which is completely normal.
In the event of a failure, the system will be deactivated, but this will not affect the efficiency of the standard braking system.
The failure will be indicated through the illumination of the red warning light with the letters ABS (ABS) on the instrument panel.
In this case, we recommend you contact your local **Authorized Maserati Dealer** which, thanks to the self-diagnostics system the vehicle is equipped with, should be able to quickly identify the problem.

The vehicles must be equipped only with wheels, tires and brake pads of the type and make approved by Maserati S.p.A. for this model.

Despite the fact that this device makes a considerable contribution to safety, it is still essential to drive carefully, especially when the road surface is wet, covered with snow or ice.

The vehicle is equipped with an Electronic Brake force Distributor (EBD). The illumination of the warning light "BRAKE" with the engine running indicates a malfunction in the EBD system; in this case, sharp braking may cause an early locking of the rear wheels, and the vehicle may skid. Drive with the greatest care and have the system immediately checked by the nearest Authorized Maserati Dealer.

The warning light (ABS) usually comes on when the engine is running to indicate a fault in the ABS system only. In this case, the braking system is designed to still be efficient, but it will not make use of the anti-locking device. Under these conditions, the EBD system efficiency can also be reduced. Drive with the utmost care to avoid abrupt braking and consult your local Authorized Maserati Dealer immediately.

If the low brake fluid warning light "BRAKE" comes on, stop the vehicle and check the brake fluid level immediately. If the fluid level is below the minimum notch, top up with the recommended fluid and contact your local Authorized Maserati Dealer immediately to have the system checked. Brake fluid leaks impair the operation of the entire braking system.

System performance in terms of active safety is not a reason for the driver to take unnecessary risks. The driving style must always be suited to weather conditions, range of visibility and road traffic conditions and of course must comply with local traffic laws.

The maximum obtainable deceleration is always dependent on the grip between tire and road. With snowy or icy roadways, grip levels are obviously reduced and the braking distance is very high, even with the ABS system.

Tire pressure monitoring system

The vehicle may be equipped with an optional system that monitors the tire pressure by means of special sensors that are secured inside the wheel rims, in position with the inflation valve. These sensors transmit a signal that is detected by the antennas fastened on the car body, behind the fenders, and connected to the ECU.

WARNING: The system can momentarily experience radio-electric interference emitted by devices using similar frequencies.

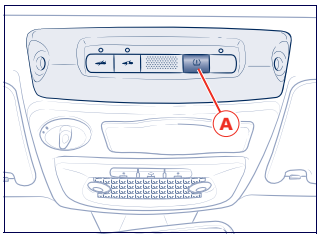
The ECU processes this information and, via the CAN line, transmits a series of tire pressure data and system errors, if any, to the on-board instrument panel.
The signal transmitted by the ECU activates some icons on the display.

The system is equipped with a specific wiring that connects the antennas, the control unit and the calibration button to the vehicle's electrical system.

The system warns the driver that there is a drop in tire pressure. This warning does not excuse the driver from periodically checking the tires and from complying with the prescribed tire pressure levels.

WARNING: The system stores the tire pressures as a reference rate, therefore tires must be inflated to the prescribed pressure.

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



As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS) that illuminates a low tire pressure warning light when one or more of your tires is/are significantly under-inflated.
Accordingly, when the low tire pressure warning light illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure.
Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect vehicle handling and stopping ability.

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

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

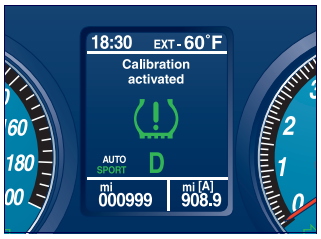
System calibration

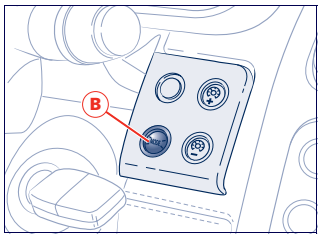
After replacing or inflating one or more tires, the system must be calibrated once again.
To calibrate the system, keep button **A**, located on the inside roof, pressed down for a time ranging between 4 and 10 seconds. The system takes a maximum of 20 minutes to complete the calibration procedure with the vehicle in motion.
A green symbol (!) will appear on the display together with the message "Calibration activated".
If the user recalls the information page showing the pressure levels of each tire, dashes "–.–" will be viewed in the place of the values.

Viewing messages on the display

By pressing the specific "Mode" button **B**, (see page 77), the user can access the information page showing the pressure values for each tire.

When indication by event occurs, the malfunction is viewed in the place of the information on tire pressure levels. The malfunction is displayed for a time equal to its entire display cycle. When the display cycle ends, the tire pressure screen page becomes available again and the multi-function symbol indicating the malfunction is displayed in the specific area until the malfunction is rectified.





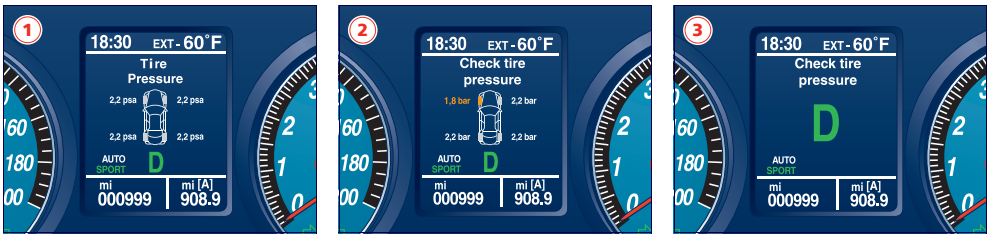
Normal conditions

By pressing the specific button for quick information display ("Mode" button pressed briefly), the user can access the information page (screen page **1**), which displays the pressure levels for each tire.

Low pressure

When the instrument panel receives a message from the tire pressure ECU indicating that one or more tires have pressure levels below the control threshold, screen page **2** is displayed for 10 seconds, after which the system will display the screen page previously active.
When the key is subsequently turned back to ON or when the MODE button is pressed, if the malfunction persists the display will show screen page **2** once again.

The system may not know which wheel is originating the malfunction indication and therefore is not capable of indicating the wheel involved. In this case, screen page **3** will be displayed for 10 seconds.
The display sequence follows the usual logic of the malfunction previously described.



Tire pressure monitoring system

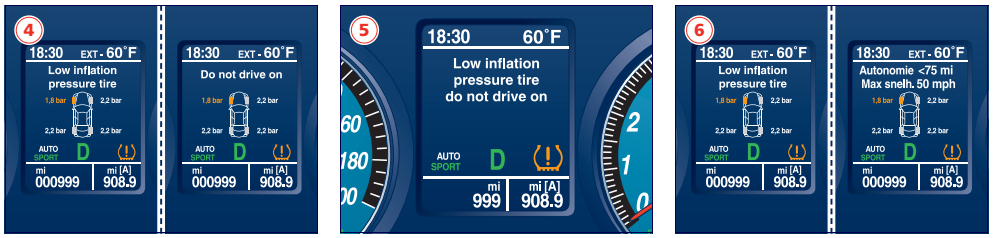
Tire punctures

When the instrument panel receives a signal from the tire pressure ECU indicating that the pressure level of one or more tires is below the alarm threshold, the warning light (!) will permanently illuminate on the instrument panel and screen pages **4** will alternate on the display for 20 seconds. Every time the key is subsequently turned back to ON, if the malfunction persists the display will show screen pages **4** for 20 seconds. These screen pages will be displayed until the situation is corrected and the system is calibrated again as required by the system.

The system may not know what wheel is originating the malfunction and therefore is not capable of indicating the wheel involved. As a consequence, in addition to the warning light (!) permanently illuminated on the instrument panel, the display will show screen page **5**. The display strategy of this screen page follows the same logic applied for screen page **4**, previously described.

"Run Flat" tire puncture

If the vehicle is equipped with Run Flat tires, in the event of a tire puncture, the relative warning light comes on and the pages **6** are alternately displayed for 10 seconds. At the end of the display cycle, the system will show the previously active page with the symbol (!) positioned in area **G** of the display (see page 76). The warning light (!) on the instrument panel remains on.
The system calculates the residual tire life in miles and repeats the display cycle every 19 mi (30 km) of driving up to a maximum of 75 mi (120 km).

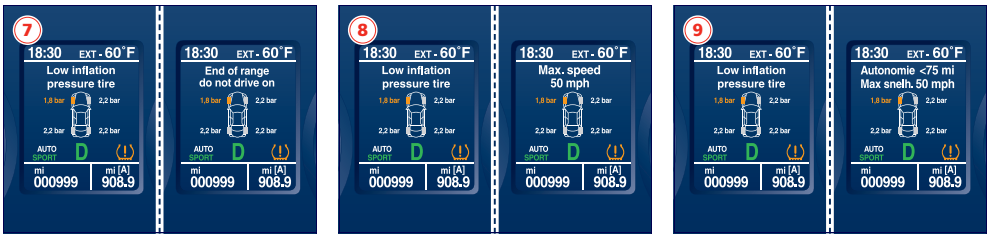


Tire pressure monitoring system

During the "tire punctured" condition, if more than 75 mi (120 km) are travelled or if the vehicle speed exceeds 50 mph (80 km/h), the pages **7** or **8**, respectively, are displayed.
At the end of the tire life, the display logic follows the procedure for normal tires.

If another tire is punctured, the system calculates (without displaying it) the updated value of the km that can still be driven, depending on the distance covered from the previous puncture, and displays the pages **9** alternately.

If the driver presses the **MODE** button with the "**Escape**" function during the "tire punctured" condition, but **not in maximum speed** conditions and with the tires still in a condition to continue driving, the summary symbol will be displayed in the dedicated warning light area until the correct condition is restored and after subsequent calibration requested by the system.



Tire pressure monitoring system

It may occur that the system does not know which wheel is signaling the fault and it is hence unable to display it: page 10 will be displayed for 10 seconds.
The system calculates the residual tire life and repeats the display cycle every 19 mi (30 km) of driving up to a maximum of 75 mi (120 km) and also controls the conditions of exceeding the maximum km travelled or exceeding the speed limit.

System not calibrated

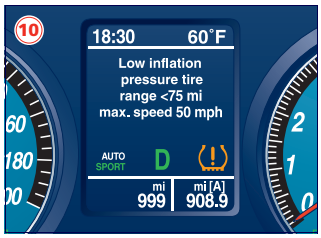
If the system has not been calibrated or following a tire replacement, the warning light (!) will flash on the instrument panel for 90 seconds, and the display will show screen page **11**. Subsequently, the screen page previously active is displayed once again and the warning light (!) illuminates on the instrument panel permanently.
The system can be calibrated by means of the specific button (see page 47).
The information page that shows the pressure value for each tire cannot be recalled by the user.

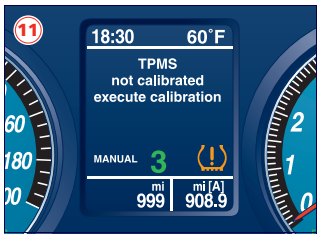
Tire pressure monitoring system failure

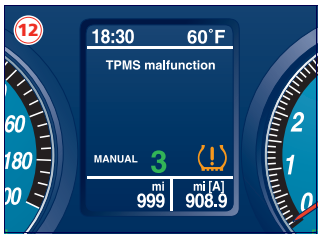
Screen page **12** may appear in the following cases:

- malfunction in the ECU system/ wiring
- no signal reception by one or more sensors due to malfunction, breakage or dead battery;
- ECU malfunction.

The display sequence follows the usual logic of malfunctions. Therefore, after 10 seconds, the display will show the screen page that was active before the malfunction occurred.







Tire pressure monitoring system

In addition to screen page **12** being displayed, the warning light (!), which is permanently illuminated on the instrument panel, will flash for 90 seconds, after which it will remain permanently on until the situation is corrected. The information page that shows the pressure value for each tire cannot be recalled by the user.

*Note: The TPMS malfunction indicator works in combination with the low tire pressure warning light. When the system detects a malfunction, the warning light will flash for approximately 90 seconds and then remain permanently illuminated. Once the system detects a failure, you must go to the nearest **Authorized Dealer** to correct the problem and deactivate the malfunction warning light.*

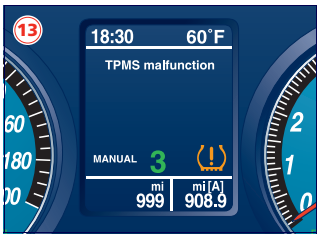
System temporarily not active

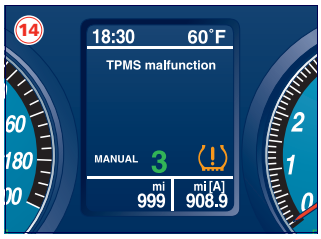
When one of the following conditions occurs:
- outside transmitter (frequency interference);
- excessively high temperature;
- during the first calibration procedure;

screen page **13** will be displayed.
In addition, the warning light (!), which is permanently illuminated on the instrument panel, will flash for 90 seconds, after which it will remain permanently on until the situation is corrected.
The information page that shows the pressure value for each tire cannot be recalled by the user.

System not active

After Key-on, in the case that the system has been deactivated by means of the diagnosis tester, screen page **14** will be displayed for several seconds.
In addition, the warning light (!), which is permanently illuminated on the instrument panel, will flash for 90 seconds, after which it will remain permanently on until the situation is corrected.
The information page that shows the pressure value for each tire cannot be recalled by the user.





Tire pressure monitoring system

Parking sensors

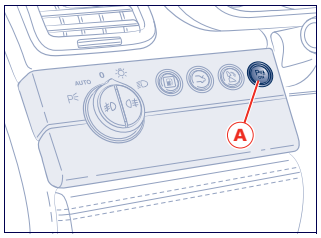
To assist the driver during parking manoeuvres, the vehicle may come equipped with four sensors housed in the rear bumper and four sensors in the front bumper (optionals in the latter case).
During parking manoeuvres, the parking sensors provide the driver with information on the distance between obstacles found behind and in front of the vehicle. The information about the obstacle distance is given to the driver by means of a acoustic and visual signals. The acoustic signals generated by the system add to the driver's field of vision, allowing him to avoid hitting any obstacles during manoeuvres.

However, the driver remains responsible during parking manoeuvres and in other potentially dangerous situations. The system has actually been designed only as a supplementary aid during parking manoeuvres, since it allows the driver to detect obstacles outside his field of vision.

The front and rear parking sensors are automatically activated when the key is turned to **MAR**, when reversing.

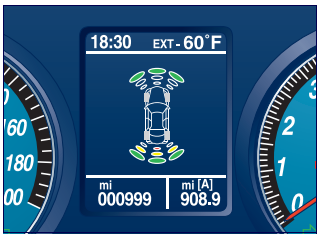
If the vehicle is also equipped with front sensors, these may be activated by pressing button **A**; When the front sensors are active, the button illuminates with an amber colour. To deactivate the front sensors, press button **A** once again. When reverse gear is disengaged, all the sensors remain active. The rear sensors remain active for about 10 seconds or until a speed of approx. 6 mph (10 Km/h) is exceeded. The front sensors remain active until a speed of about 6 mph (10 Km/h) is exceeded.

When the rear or front sensors are activated, an acoustic signal (beep) warns the driver that the system is active.
When the sensors are activated, the system begins to beep as soon as an obstacle is detected, and the tone frequency increases as the vehicle approaches the obstacle.
The acoustic signals are emitted by two buzzers, one under the dashboard (if the vehicle is equipped with front sensors) and one in proximity of the luggage shelf (if the vehicle is equipped with rear sensors).
When the obstacle is located at a distance of less than 14 in (35 cm) from the bumper, the beep is continuous.
The warning beep stops immediately if the distance between the vehicle and the obstacle increases.
The tone cycle is constant if the distance measured by the central sensors remains unaltered, while if this occurs with the lateral sensors, the signal stops after approximately 7 seconds, to prevent for example continuous beeps in the event of manoeuvres alongside walls.



Parking sensors

The distance from the obstacles can also be graphically shown on the instrument panel display by means of an image that shows the vehicle surrounded by explanatory symbols of the distance (maximum/average/minimum) and the position (front/rear/central/side) of the obstacle detected.
The colour represents the distance, while the field represents the position.
The green colour represents the maximum distance detected, the yellow colour the medium distance and the red colour the minimum one.
If the vehicle is equipped only with rear sensors, the front sensors are not shown in the image.
If the vehicle is equipped with front and rear sensors, the rear sensors are not shown in the image if only the front sensors are active.



Stop & Go function

The vehicle is equipped with a Stop & Go function that can be activated through the Bose® Infotainment system. The Stop & Go function can be enabled/ disabled by accessing the "Vehicle Options" menu, selecting the "Front parking sensor" option, then the Stop & Go parking option and setting it to "ON". With the Stop & Go function active, the front sensors will automatically be activated in all conditions where the vehicle speed goes below 8 Km/h (5 mph).

WARNING: The Stop & Go function is only available if the vehicle is equipped with front parking sensors.

For the system to operate correctly the sensors positioned on the bumper must be kept clean (remove any mud, dirt, snow or ice).

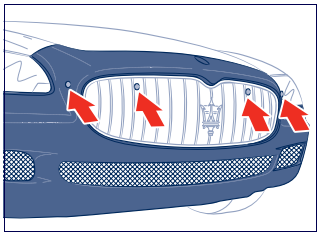
Cleaning the sensors

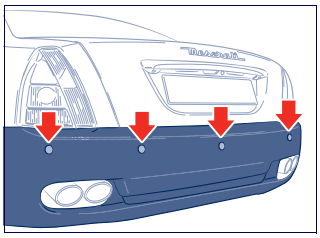
When cleaning the sensors, take special care not to scratch or damage them; therefore, do not use dry, rough or hard cloths.
The sensors must be washed with clean water, possibly with car shampoo added. In car-washes which use steam jet or high pressure cleaning machines, keep the nozzle at least 10 cm away from the sensors.
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 sensor operation.

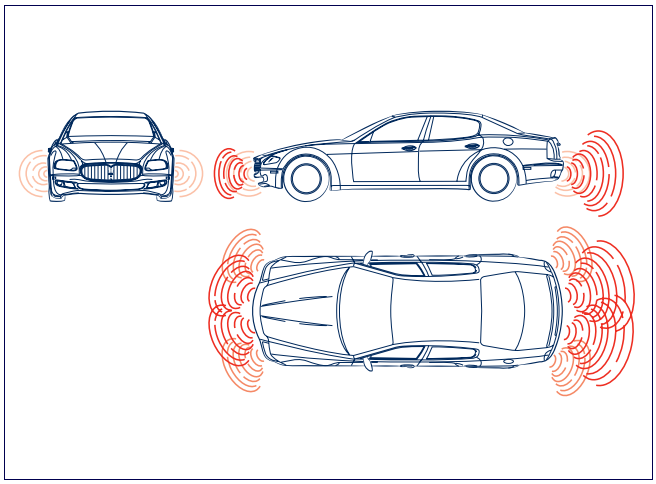
Sensor range

The sensors allow the system to monitor the front and rear of the vehicle; they are positioned so as to monitor the central and lateral zones at the front and at the rear of the vehicle.

In the event of an obstacle located in a central area, this will be detected at distances of less than 0.9 m at the front and 1.50 m at the rear, depending on the type of obstacle and its dimensions.
If the obstacle is located in a lateral position, it will be detected at distances of less than 0.6 m (2 feet).







Parking sensors

Failure indicators

The system ECU checks all the components every time reverse gear is engaged.
In the event that the parking sensors fail, the relative warning light illuminates on the display, accompanied by the message "Parking Sensor Failure".
In the event of a failure signal, stop the vehicle and turn the ignition key to Stop. Then try cleaning the sensors or moving the vehicle away from any possible ultrasound sources (e.g. pneumatic truck brakes or pneumatic hammers) and rotate the ignition key to the **MAR** position. This way, if the cause of the operating fault has been removed, the system will start functioning again automatically and the failure buzzer will stop.
If however, the failure beep continues, contact the **Maserati Service Network** to have the system checked.

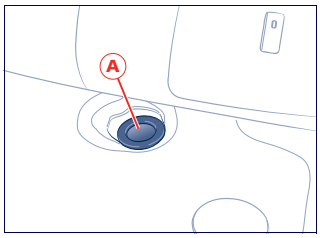
During parking manoeuvres, always be extremely careful with obstacles that might be located above or below the sensors. In fact, in certain circumstances, objects located near the rear of the vehicle are not detected by the system and therefore could damage the vehicle or be damaged themselves.

The signals transmitted by the sensors can also be altered by damage to the sensors or by dirt, snow or ice on the latter or even by ultrasound systems (e.g. pneumatic truck brakes or pneumatic hammers) in the vicinity.

The driver is fully responsible for parking and other potentially dangerous manoeuvres. During these manoeuvres, always make sure there are no people (especially children) or animals in the manoeuvring area. The parking sensors must be considered an aid for the driver who, in any case, must never take less care during potentially dangerous manoeuvres, even at low speeds.

Fuel cut-out inertia switch

The vehicle is equipped with a safety switch which is designed to intervene in the event of a collision, cutting off the fuel supply and consequently causing the engine to stop. It also prevents fuel leakage if the fuel lines are damaged during the accident.
Activation of the safety switch is signaled by the illumination of the warning light on the display
The switch is positioned underneath the front left-hand seat.



Fuel cut-out inertia switch

After impact, if you smell fuel or note any leakage from the fuel supply system, do not reactivate the switch to help prevent any risk of fire.

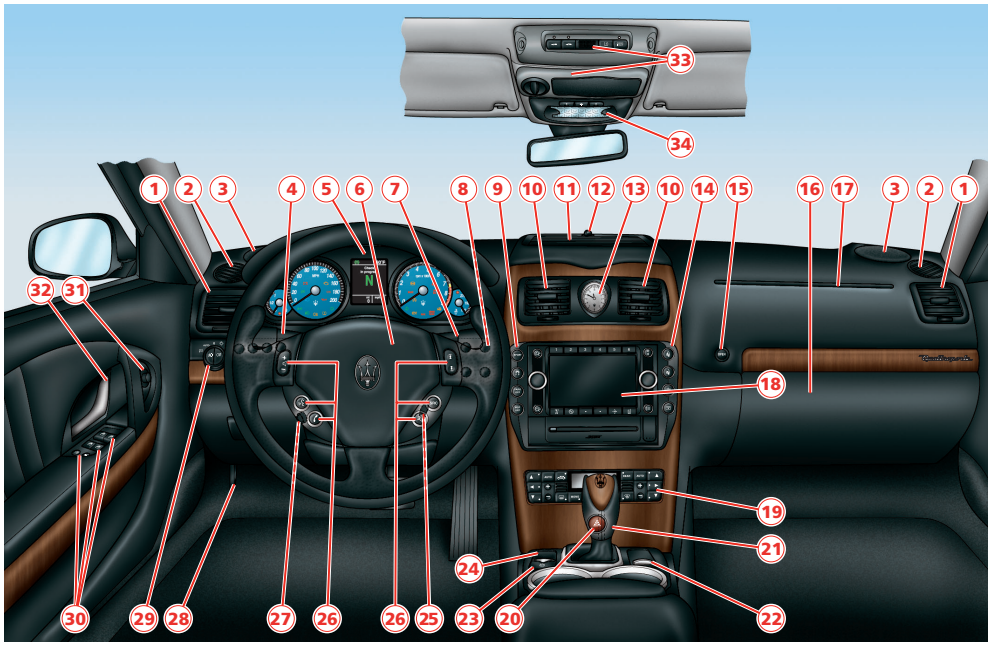
The activation of the inertia switch results in all the doors and the luggage compartment unlocking and the internal dome lamp and the four direction indicators switching on.

Resetting the switch

Turn the ignition key to the **STOP** position.
Check that there is no leakage from the fuel system.
If no leaks are found, reset the inertia switch which stops the fuel pump operation, by pressing button **A** on the switch.
Turn the ignition key to the **MAR (ON)** position, wait a few seconds and then move it to the **ACC**. position.
Check that the warning light on the display is off.
Check once again that there are no fuel leaks.

Instruments and controls

Dashboard



Dashboard

1) Air conditioning and heating system vents

2) Side windows vents

3) Speaker

4) Cruise Control, Direction indicators control lever

5) Instrument panel

6) Driver's airbag and horn

7) Windshield/headlight wiper/washer control lever

8) Controls to the right of the steering wheel

9) Side buttons, to the left of the Bose® Infotainment Display

10) Central air-conditioning and heating system vents

11) Upper air conditioning and heating system vents

12) Sun radiation sensor

13) Clock

14) Side buttons, to the right of the Bose® Infotainment Display

15) Glove compartment opening button

16) Glove compartment

17) Passenger's airbag

18) Bose® Infotainment

19) Air conditioning and heating system controls

20) Hazard button

21) Automatic gearshift lever

22) Ashtray with cigarette lighter

23) Electric handbrake engagement/ disengagement lever

24) Gear display

25) Ignition/steering lock switch

26) Bose® Infotainment Controls repeated on the steering wheel

27) Steering wheel height and depth adjustment control

28) Engine compartment lid opening lever

29) Controls to the left of the steering wheel

30) Controls on driver's door

31) External rear-view mirror controls

32) Internal door opening handle

33) Roof controls

34) Front dome lamp

Ref. 8 Controls on the right of the steering wheel

A - Instrument panel brightness increase

B - Instrument panel brightness decrease

C - Trip MODE button and odometer reset.

Ref. 9 and 14 Side buttons on the Bose® Infotainment display

A - SPORT mode button

B - LOW-GRIP (ICE) mode button

C - PARK OFF function button (see page 179)

D - MSP system deactivation button

E - Door lock/unlock button

F - Sunshade raising/lowering button.

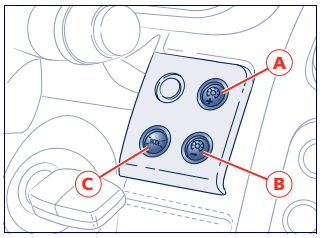
Ref. 26 Bose® Infotainment Controls repeated on the steering wheel

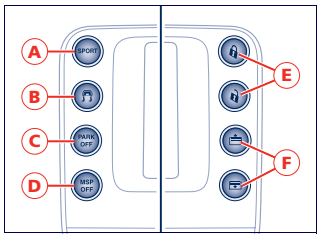
A - Increases the sound volume.

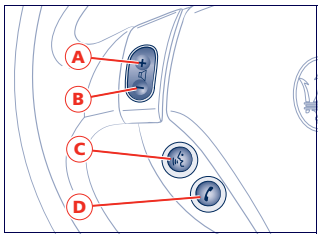
B - Decreases the sound volume.

C - Button pressed briefly
Voice command function activation/deactivation.
Button pressed at length
Repeats the last voice guidance message given by the navigator.

D - Button pressed briefly
Phone mode activation.
Places a call.
Accepts incoming call.
Ends call in progress.
Button pressed at length
Rejects incoming call.







Dashboard

E - Button pressed briefly
Broadcast Sources Mode: searches for the first tunable station with a higher frequency;
CD, Music Library mode: next track selection.
Button pressed at length
CD audio mode: track fast forward.

F - Button pressed briefly
Broadcast Sources Mode: searches for the first tunable station with a lower frequency;
CD, Music Library mode: goes to the previous track if selected within the first 3 seconds of track playing, otherwise the track is played again from the beginning.
Button pressed at length
CD audio mode: track fast rewind.

G - Mode selection Broadcast, Digital sources.

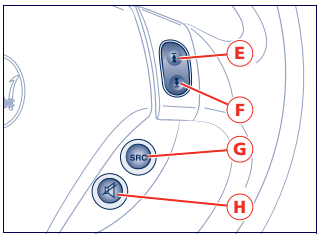
H - Mute function on/off.

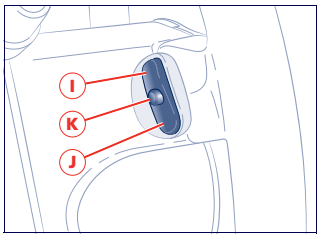
I - Broadcast Sources Mode: Radio frequency shift shifts the radio frequency to the next station in preset steps, starting from the station currently tuned in.
CD, MP3, Music Library mode: selects the next folder.

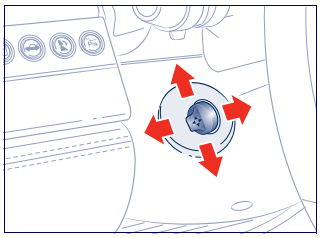
J - Broadcast Sources Mode: shifts the radio frequency to the previous station in preset steps, starting from the station currently tuned in.
CD, MP3, Music Library mode: selects the previous folder.

K - Confirms the function, item or value selected.

Ref. 27 Steering wheel height and depth adjustment control







Dashboard

Ref. 29 Controls on the left of the steering wheel

A - Light switch

B - Fuel tank door opening button

C - Luggage compartment lid opening button

D - Rear central headrest tilting button

E - Front parking sensors activation.

Ref. 30 Controls on driver's door

A - Rear power windows lock/unlock button

B - EASY ENTRY activation/ deactivation

C - Rear left-hand power window control

D - Rear right-hand power window control

E - Front left-hand power window control

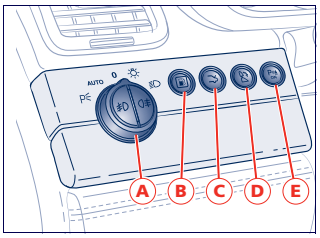
F - Front right-hand power window control

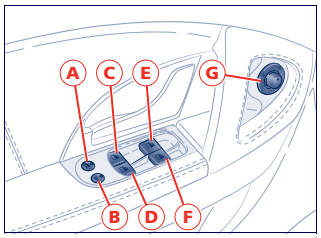
G - External rear-view mirror adjustment control.

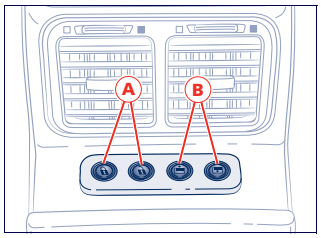
Rear console controls

A - Door lock/unlock buttons

B - Sunshade raising/lowering buttons







Dashboard

Rear vents

A - Central vents on console

B - Side vents on pillars

Ref. 33 Roof controls

A - Alarm system anti-lift function deactivation

B - Alarm system motion sensor deactivation

C - Tire pressure calibration

D - Hands-free microphone, voice commands and AudioPilot® sensor

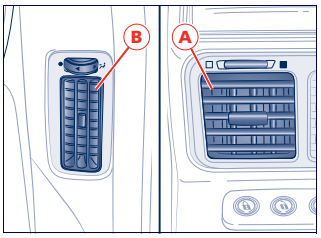
E - Sunroof opening/closing.

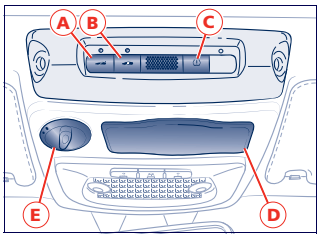
Ref. 34 Controls on front dome lamp fixture

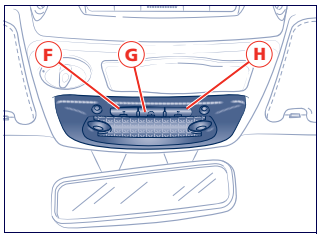
F - LH side light switch

G - Central light switch

H - RH side light switch.



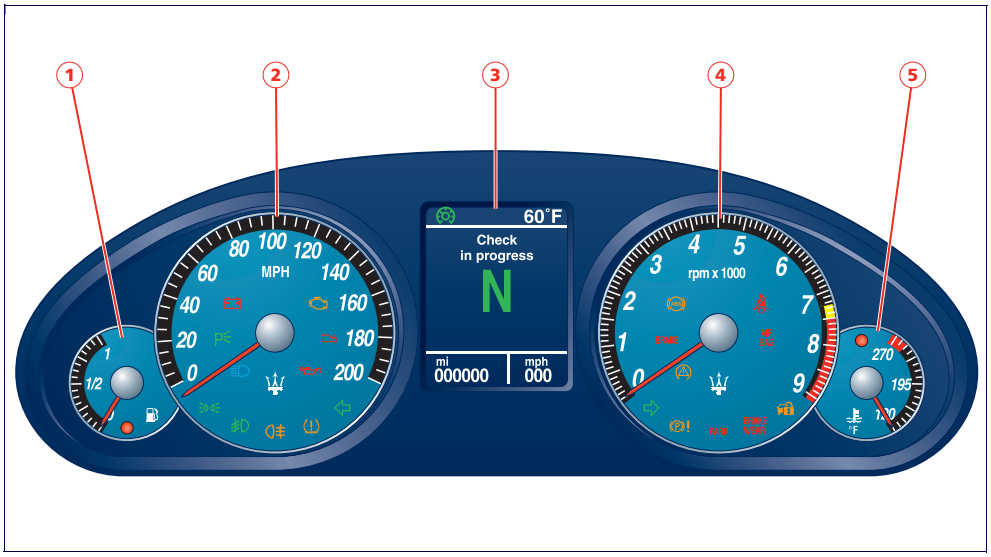




Dashboard

Instrument panel

1) Fuel level gauge and low fuel warning light
2) Speedometer
3) Display
4) Tachometer
5) Coolant temperature gauge and high temperature warning light



Instrument panel

Indicators and warning lights

Rear fog lights

When the rear fog lights are turned on.

Fog lights

When the fog lights are turned on.

Position lights/low beams

This switches on when the position lights, low beams or parking lights are turned on.

High beams

When the high beams are turned on or flashing.

Parking lights

With the key removed, this indicates the parking lights are turned on.

(*) Viewed on the display as well

Alternator condition

If there is a fault in the recharging system.
When the battery is insufficiently charged or overcharged (flashing).

Engine diagnosis system failure (OBDII) (*)

Under normal conditions, this warning light should switch on when the ignition key is turned to the **MAR (ON)** position, and should turn off 18 seconds after engine starts. This will show that the warning light is working properly.
If the warning light remains on or switches on while driving, it indicates that 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. In these conditions you can drive slowly without demanding engine performance or high speeds. Prolonged use of the vehicle when the warning light is on can cause damages. For this reason, you should contact your local **Authorized Maserati Dealer** as soon as possible. The warning light will go out if the problem disappears. The error will be stored by the system in any case.

WARNING: When the ignition key is turned to the **MAR (ON)** position, if the warning light does not turn on or if it turns on while driving, contact your local **Authorized Maserati Dealer** as soon as possible.

Automatic Gearbox condition (*)

Depending on the message displayed it signals:

– gearbox condition

If the failure permits, slowly drive to the nearest **Authorized Maserati Dealer.**

– gearbox oil temperature too high

In this case, slow down until the temperature goes down to the normal values for use (the warning light goes off), see page 160.

Low oil pressure (*)

Under normal conditions, the warning light should come on when the ignition key is turned to the **MAR** (**ON**) position and go off as soon as the engine is started.
If the warning light remains on or turns on while driving, this indicates low engine oil pressure. In this case, turn the engine off immediately and carry out the necessary checks.
If the problem persists, contact your local **Authorized Maserati Dealer**.
If it flashes, it indicates a failure of the engine oil pressure sensor.

Tire pressure (*)

This warning light is connected to the tire pressure monitoring system.
In normal conditions, the warning light should illuminate when the ignition key is turned to **MAR** (**ON**) and should go off as soon as the engine is started. If the warning light remains on or illuminates while driving, it indicates a too low inflation pressure of one or more tires.

Low brake fluid warning light (*)

It illuminates when the brake fluid level goes below the minimum level. If accompanied by a specific message, it indicates an EBD system failure. In this case, do not apply the brakes suddenly, since this may cause an early locking of the rear wheels. Drive with the greatest care and have the system immediately checked by the nearest **Authorized Maserati Dealer.**

If the warning light comes on while driving, check the brake fluid level immediately. If the fluid level is below the minimum level there could be a leakage in the circuit: in this case, contact your local Authorized Maserati Dealer before continuing your trip.

Defective ABS system (*)

It illuminates when the ABS system is not functioning. The standard braking system remains operational, but it is advisable to contact your **Authorized Maserati Dealer** as soon as possible.

Seat belts (*)

It illuminates when the driver seat belt is not fastened or improperly fastened. A buzzer is also activated for approx. 8 seconds when the warning light is on.

Airbag/pre-tensioner failure (*)

This turns on to indicate that the pre-tensioner and/or airbag system is/are not working properly.

Turning the key to MAR (ON), the light comes on but it should go out after a few seconds with the engine running.

If the warning light stays on or if it does not come on, or if it comes on while driving, stop immediately and consult your local Authorized Maserati Dealer.

(*) Viewed on the display as well

Maserati CODE (*)

The warning light illuminates when the vehicle protection system is faulty

Brake pads worn (*)

This illuminates when the brake pads have reached their wear limit.
Contact your local **Authorized Maserati Dealer**.

Handbrake engaged

The warning light comes on when the handbrake is operated.

Parking brake failure (*)

Depending on the message displayed, it signals the following EPB system failures:

– Parking brake failure.

slowly drive to the nearest **Authorized Maserati Dealer** and remember that the electric parking brake is not functioning.
If the brake failure is accompanied by the message "EPB fault only manual EPB release possible: see handbook", the manual emergency deactivation procedure must be performed to release the parking brake (see page 179).

– Excessive temperature.

if the vehicle has been stationary (key to STOP) for about 15 minutes without using the parking brake, and the warning light illuminates again after restarting the engine, slowly drive to the nearest **Authorized Maserati Dealer**.

– Parking brake system overhaul

The EPB system must be serviced and maintained only by an **Authorized Maserati Dealer** if any system malfunctions need to be corrected.

MSP system failure (*)

It indicates a malfunction or the deactivation of the MSP system.
When flashing, it indicates that the MSP system has activated.

Right-hand direction indicators

This comes on when the right-hand direction indicators or the hazard lights are turned on.

Left-hand direction indicators

This comes on when the left-hand direction indicators or the hazard lights are turned on.

(*) Viewed on the display as well

Warning lights on the display

Inertia switch, fuel cut-out enabled

This turns on when a collision triggers the inertia switch, thus cutting off the fuel supply.

After impact, if you smell fuel or note leakages from the fuel system, do not reactivate the switch in order to help prevent the risk of fire.

Windshield washer fluid

This signals a low level of washer fluid in the windshield washer tank.

Cruise Control

This indicates that the Cruise Control is active.

Lights failure

It illuminates in the case of a system failure or if the position lights, direction indicator, rear fog and license plate lights are blown.

Stop lights failure

This turns on in the case of a system failure or burning-out of the stop lights bulb.

Twilight sensor failure

This turns on in the case of a failure of the twilight sensor.

High catalyst temperature

This warning light illuminates if the engine runs irregularly with consequent high temperature in the exhaust system.

IF THE WARNING LIGHT IS ACCOMPANIED BY THE MESSAGE "HIGH CATALYTIC CONV. TEMPERATURE SLOW DOWN": the temperature in the catalysts is excessively high. The driver must slow down immediately until the warning light turns off.

IF THE MESSAGE "EXCESSIVE CATALYTIC CONV. TEMPERATURE DO NOT PROCEED" APPEARS AFTER DECELERATING: the temperature in the catalysts has reached a dangerous level and the catalytic converters could be damaged. Slowly drive to the nearest Dealer.

If the light turns on permanently 3 times the engine will stop.
It will be possible to restart the vehicle only with a key-off - key-on cycle. Then slowly drive to the nearest Authorized Maserati Dealer.

Maserati declines all responsibility for whatever damage deriving from non compliance with the above mentioned warnings.

Power steering failure

This indicates a fault in the power steering system. Slowly drive to the nearest **Authorized Maserati Dealer** paying attention to stiffening of the steering.

Low engine oil level

Indicates that the engine oil level is low; to check it see page 246

High coolant temperature

Acting in combination with the "Coolant thermometer", it illuminates with the warning light on the instrument panel and indicates a too high coolant temperature.
In this condition, stop the vehicle and have the cooling system checked by your **Authorized Maserati Dealer.**

Adaptive Light Control system failure

It indicates a failure of the automatic headlight aiming system.

ASR system failure

It indicates that the ASR system is faulty.
In the event of a failure, contact your local **Authorized Maserati Dealer.**

Rain sensor failure

This indicates that the rain sensor is faulty.
Contact your local **Authorized Maserati Dealer.**

Parking sensors failure

This indicates a failure in the parking sensors system.

Shock absorber failure

When driving, it indicates a malfunction in the suspension system.

Finger-trap prevention system failure

This indicates a failure in the windows' finger-trap 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 dragged or hit by it.

Vehicle protection systems

It illuminates when the system detects one of the following malfunctions:

- Alarm system not available.
- Electronic key not detected.
- Have the vehicle protection system checked.
- Vehicle break-in detected.
- Electronic key not recognized.

Doors and lids open

This indicates that the doors or lids are open or improperly closed: the part not closed is highlighted in red.

WARNING: Before driving off, close any open or not properly closed doors and lids.

Ice hazard

This switches on when the outside temperature is approximately 37° F (3° C) or lower, in order to indicate the risk of icy roadways. Under such conditions, drive carefully and slow down as the grip of the tires will be reduced.

Do not activate the "SPORT" mode in this situation.

Scheduled maintenance

Depending on the accompanying message, this indicates that service schedule deadlines are either approaching or due on that day.
Upon reaching a deadline, contact your local **Authorized Maserati Dealer**.

Auto gearbox setting

This indicates that the auto gearbox feature is active.

“SPORT” setting

When the button that sets the vehicle to the "SPORT" mode is pressed.

WARNING: The "SPORT" mode changes the vehicle driving features.

WARNING: SPORT mode should not be activated if the road surface is in rough or slippery.

WARNING: In low- and medium-grip conditions (e.g., rain, snow, ice, sand, etc.) it is advisable not to activate SPORT mode, even with the MSP enabled.

"Low grip" function

This indicates that the low grip function is active

EPB automatic operation disabled

It indicates that the EPB automatic activation/deactivation function is disabled.

Instruments and gauges

Fuel level gauge

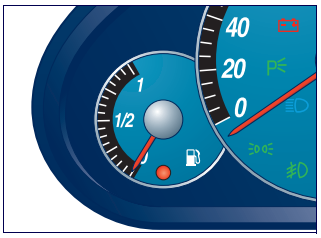
The illumination of the warning light inside the gauge indicates that there are approx. 4.7 U.S. gal (18 litres) of fuel in the tank.

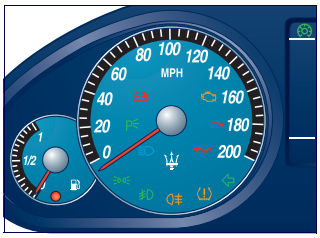
Speedometer

It indicates the vehicle speed. The gauge starts providing data when 2.5 mph (4 km/h) are exceeded.

Tachometer

It indicates the engine's r.p.m. Correct driving allows the driver to achieve proper engine performance, without the need of over-revving.





Coolant temperature gauge

It indicates the temperature of the coolant. If the needle indicates high temperatures and at the same time the warning light illuminates, stop the vehicle immediately and have the cooling system checked by your local **Authorized Maserati Dealer**.

Display

Incorporated in the instrument panel, it performs the following functions:

– it provides general information while driving;

– it signals any failures and warnings;

The user can interact with the system by setting the parameters for the information that can be recalled.
The screen page displayed following the initial check cycle, in normal working conditions, (standard screen page) contains the following information:

A - Date

B - Time

C - Gear engaged

D - Driving mode

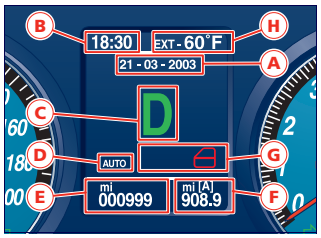
E - Total odometer,

F - Trip odometer A, B or vehicle speed repetition.

G - Other symbols that may be displayed in icon form

H - Outside temperature

From the Options menu in the Bose® Infotainment system, the user can also choose to have the Audio and Navigator information repeated on the dashboard. For the relevant procedures and instructions, see the "Bose® Infotainment" manual.



Instruments and gauges

Controls

MODE

The screen page activation and setting is controlled by pressing the MODE (**J**), "+" (**K**) and "-" (**L**) buttons.

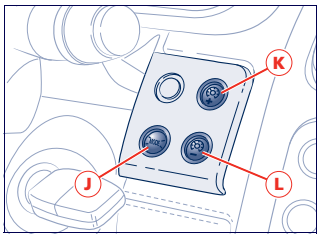
Pressing the MODE button briefly will switch to the following screen pages in sequence:

– Trip A
– Trip B
– Tire pressure
– Left-hand front seat comfort (*)
– Right-hand front seat comfort (*)
– Option Selection
– RPM indicator
– Standard.

(*) if the vehicle is equipped with "Comfort Pack" or "Winter Pack".

Each of these has a 10-second timing, after which the non-flashing information previously viewed is restored.

Pressing the MODE button for more than 2 seconds the user will select the Trip Odometer information currently displayed, or the Trip Odometer A if the speedometer repetition is active. This piece of information will flash for 10 seconds, after which the non-flashing information previously viewed is restored.



"+ " and "-"

By means of the "+ "(**K**) and "-" (**L**) buttons, the user can adjust the instrument panel brightness.

When the "Option Selection" screen page is viewed, these buttons can be used to select, choosing between Trip Odometer A and Trip Odometer B, the information to be repeated on the display. In fact, by selecting , trip A or trip B, with the MODE (**J**) button and then pressing buttons "+ " and "-", the user will display the trip information selected (flashing) alternately.

Trip Odometer reset

In all these cases, and before the 10 seconds are up, pressing the MODE (**J**) button briefly (less than 2 seconds) will result in the trip information relating to the flashing Odometer (A or B) being reset.

Setting the date

The date can be set through the Bose® Infotainment system, from the "System Options" menu (see the Bose® Infotainment system manual).

TRIP screen page

The Trip screen page is recalled by pressing the MODE (**J**) button. Each TRIP screen page (A or B) is timed, i.e., it is displayed for a maximum of 10 seconds, after which the screen previously active is restored.
When the TRIP A or TRIP B feature is active, the following information is viewed on the display:

– travelled distance (km - miles)
– average fuel consumption (km/L – mpg)
– average travelling speed (km/h - mph)
– trip time (hh:mm)
– fuel range (km - miles)

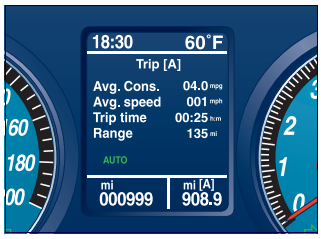
The unit of measurement can be set via the "System Options" menu of the Bose® Infotainment system.

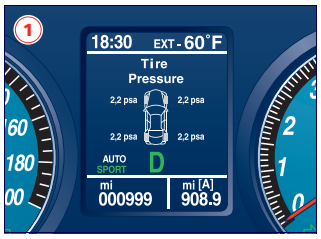
Tire pressure screen page

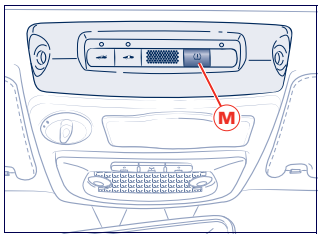
If the vehicle is equipped with the tire pressure monitoring system (optional), pressing the MODE (**J**) button the user will display information about the "Tire Pressure".
This screen page is displayed for 10 seconds and, in normal conditions, it will appear as shown in figure **1**

– furthermore, the system acknowledges the following conditions:
– system temporarily not active (e.g., external radio interference)
– system not calibrated (e.g., a tire was replaced)
– system failure
– system not active (if it is disabled by the diagnostics system)
– low pressure or puncture in front LH, front RH tires or rear LH and rear RH tires
– low pressure or puncture in unidentified tire.

The system can be calibrated by pressing button **M**, on the front dome light fixture. The initialization of the procedure is indicated on the display by the message "Calibration activated".
For more information, please see the "Tire pressure monitoring system" chapter on page 47.







Instruments and gauges

Comfort screen page

If the vehicle is equipped with either the "Winter Pack" or the "Comfort Pack" on the front seats, repeatedly press the MODE button to display the screen pages showing the system operating mode for each individual seat.
If the vehicle is equipped with "Winter Pack", the following seat information is shown:

N - Seat indication

O - Heating level

If the vehicle is equipped with "Comfort Pack", the following seat information is shown:

N - Seat indication

O - Heating level

P - Ventilation level

Q - Massage system activation/ deactivation

R - Self-adaptive system activation/ deactivation

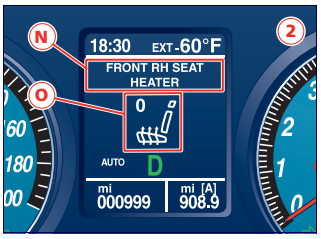
In both cases, the screen pages shown in Figures 2 and 3 are displayed for 10 seconds.

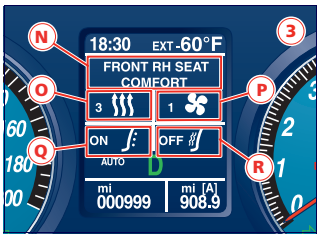
Option Selection Screen Page

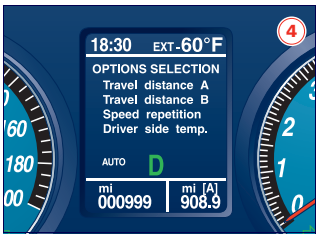
Briefly press the MODE button to display the screen page and select the desired value among the following ones:

– TRIP A distance
– TRIP B distance
– Current speed repetition
– Passenger compartment temperature on the driver's side.

which will be displayed in area **F**, within the standard screen page (see page 76).
The screen page, shown in Fig. 4, remains displayed for 10 seconds.
The options listed can be selected by pressing the "+" and "-" buttons and are confirmed by briefly pressing the MODE button or simply not performing any operation for 10 seconds.







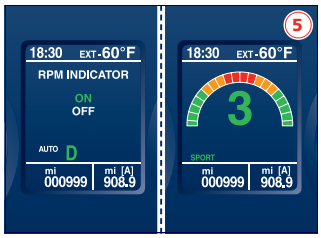
RPM indicator screen page

The "RPM Indicator" screen page allows the user to display, within the standard screen, also a virtual RPM gauge.
The screen page can be recalled by pressing the MODE button repeatedly. The options available, which can be selected by pressing the buttons + and -, are the following:

– ON (display enabled);

– OFF (display disabled).

This function is activated if the user presses the MODE button to confirm this option.



Instruments and gauges

If the Audio or Navigation data repetition option is active on the Bose® Infotainment, when the user sets the virtual RPM indicator this shall not be activated until the repetition function is disabled (see page 123 of the Bose® Infotainment).

Bose® Infotainment

By accessing the "System Options" and "Vehicle Options" modes, the user can set the vehicle functions.
The parameters that can be set are the following:

System Options

- Brightness Display
- Deactivate Display
- Set Time and Date
- Time format
- Date format
- Language
- Temperature Display
- Distance Display
- Tire Pressure Display
- Delayed Accessory
- Reset System Options

Vehicle Options

- Buzzer volume
- Audio Repetition
- Phone Repetition
- Navigation Repetition
- Speed Door Lock
- Unlock Only Driver Door
- Dusk Light Sensitivity
- Front parking sensor
- Easy entry / exit
- Luggage compartment lid opening
- Day running lights

Controls

Horn

Pressing the horn symbol **A**, the horn is activated.

Hazard warning lights

Press button **B** to turn on the hazard warning lights. Their operation is independent of 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 panel and the button are flashing.

WARNING: When the hazard warning lights are activated, the direction control is disabled.

Controls on the left of the steering wheel

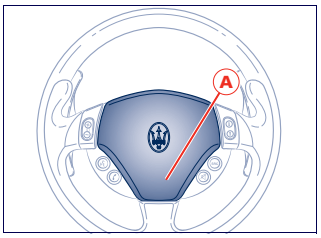
Front fog lights

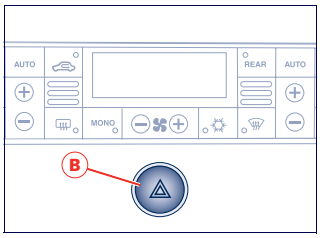
Press button **C** to turn on the front fog lights. They only work with the position lights or low beams on. The LED on the button illuminates when the lights are on.

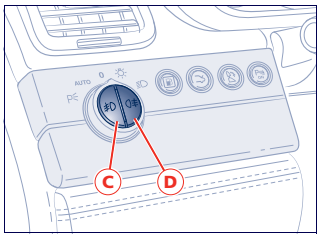
Rear fog lights

Press button **D** to turn on the rear fog lights. They only work with the front fog lights or low beams on. The LED on the pushbutton illuminates when the lights are on.

Do not use the rear fog lights in normal visibility conditions to avoid dazzling vehicles behind.







Controls

Opening the luggage compartment

Press button **E** to open the luggage compartment lid.
This can be operated only with the ignition key removed or turned to **STOP** and **ACC**.
Vehicles are also equipped with a lever inside the luggage compartment, which permits opening from the inside.

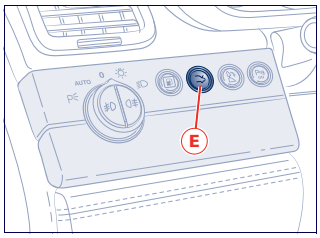
Opening the fuel tank door

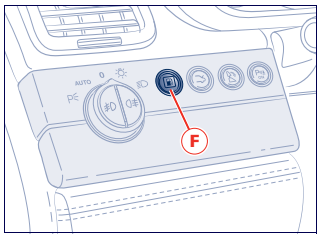
Press button **F** to open the fuel tank door on the rear left-hand side of the vehicle.
This button can be operated only when the ignition key is removed or in the **STOP** position.

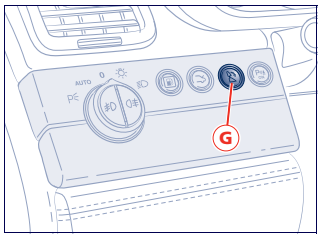
Rear central headrest tilting

Press button **G** to tilt the rear central headrest. The headrest can be then repositioned manually.

Before tilting the headrest, always check that the passengers are not exposed to the risk of injury both by the moving headrest and by personal objects hit by it.







Deactivating the front parking sensors

The front parking sensors can be deactivated by pressing button **H**. When these sensors are turned off, the LED on the button illuminates. To reactivate the sensors, press button **H** again.

Controls on the right of the steering wheel

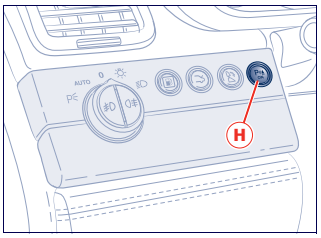
Instrument panel display controls (see page 77).

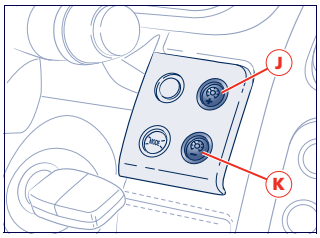
Setting the instruments and gauges brightness

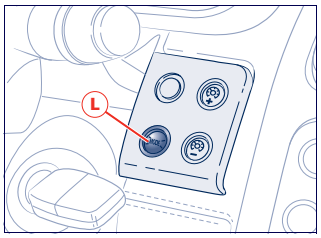
With the external lights turned on, press button **J** or **K** to increase or decrease the brightness for the instruments and gauges.

Mode

Pressing button L will select the screen pages to be viewed on the instrument panel display.







Controls

Side buttons on the Bose® Infotainment

Lock set release and locking

Buttons **M** and **N**, on the front and rear dashboards, control the locking and unlocking of the lock sets respectively.

Sunshade movement

Press button **O** to raise the sunshade and button **P** to lower it.
The buttons are found both on the front and on the rear dashboard.

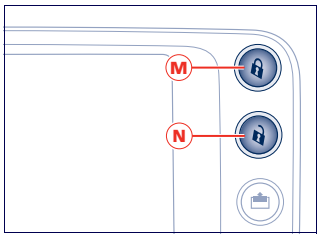
WARNING: If the sunshade guide needs to be cleaned with solvents, it must then be greased in the area where the sunshade slides using Teflon based grease.

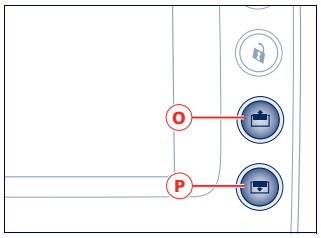
WARNING: If, within a time period of 25 seconds, the sunshade is raised and lowered at least 4 times, the relative control will disable them for 30 seconds. Before disabling the sunshade, the system will complete the movement in progress. The last movement accepted will be opposite to the starting movement.

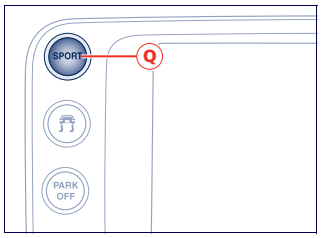
WARNING: Before activating the sunshade, make sure that there are no objects that may interfere with its travel.

SPORT setting

Press button **Q** to select SPORT mode, which activates the "Automatic Gearbox" and sets the suspension and traction control for sports-style driving.
Please notice that selecting the SPORT mode will decrease driving comfort. Especially in city traffic and on uneven road surfaces.







Controls

Low grip

This mode can be used on particularly slippery road surfaces (e.g., rain, snow, ice) to help provide increased road grip. To activate/deactivate this mode, press button **R**.

When the function is active, the word ICE lights up on the display (see chapter "Other system functions" on page 157).

PARK OFF

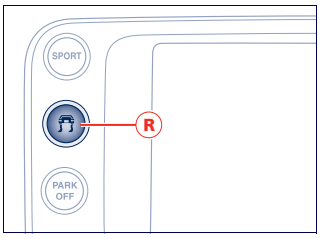
This function allows the user to deactivate automatic engagement of the electric parking brake (EPB) (see page 179). Press the button **S** to deactivate/reactivate the function.

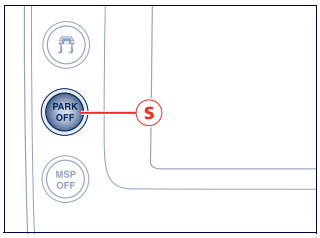
MSP System

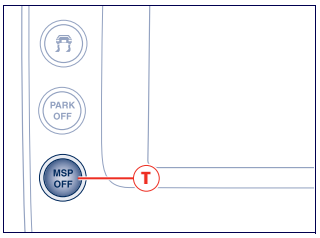
The **MSP** system is designed to activate automatically every time the engine is started.

It is possible to deactivate or reactivate the system while driving by pressing button **T**. To avoid deactivating the system inadvertently, the button must be pressed for about 2 seconds to turn the MSP system off.

When the system is deactivated, the amber warning light ⚠ on the instrument panel illuminates (see chapter "MSP System" on page 43).







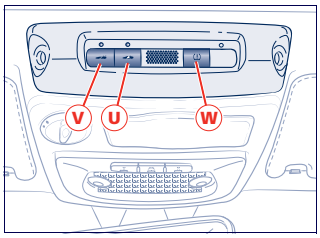
Roof controls

Deactivating the alarm system motion sensors

Pressing button **U** will deactivate the alarm motion sensing system. When this function is deactivated, the LED on the button will flash for 3 seconds and then will turn off.

Deactivating the anti-lift alarm system

Pressing button **V** will deactivate the anti-lift alarm system. When this function is deactivated, the LED on the button will flash for 3 seconds and then turn off.



Controls

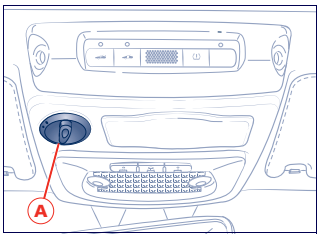
Tire calibration button

To calibrate the system, with the ignition key in position **MAR** (**ON**), press button **W** for a time ranging from 4 to 10 seconds.
The system will take a maximum of 20 minutes to complete the calibration procedure with the vehicle in motion. The detected situation will then be shown on the display.
For further information, see the “Tire pressure monitoring system” on page 47.

Sunroof

The sunroof is electrically controlled and can only be operated with the ignition key in the **MAR** (**ON**) position. It can slide and be raised at the rear (tilting).
The sunroof is equipped with a finger-trap prevention system designed to control sliding when the roof is being closed or tilted. If an obstacle interferes with the roof travel during the closing stage, the sunroof stops and reverses its travel a short way back.

WARNING: In the event of rain, always close the sunroof to prevent the water from staining the fabric/leather upholstery.



Improper use of the sunroof can however be dangerous, even with the finger-trap prevention system. Before and during the sunroof operation, always make sure that passengers are not exposed to the risk of injuries caused both by the moving roof and by personal objects dragged or hit by the sunroof itself. When you exit the vehicle, always remove the ignition key to avoid that the sunroof, if operated inadvertently, becomes a danger for passengers remaining onboard.

WARNING: Do not open the sunroof if there is ice on it: risk of damage.

Opening and closing

The selector switch **A** controls all the roof's movements.
There are 6 positions to open the sliding roof and 3 three positions for the tilted opening.
When the selector switch position has been chosen, the sunroof moves until it stops automatically in the position chosen.
Upon opening the sunroof, a front flap rises automatically in order to deflect the air flow.

WARNING: If the guide needs to be cleaned with solvents, the mechanisms, Bowden cables and sliding parts, such as the water channel slide, must be then greased.

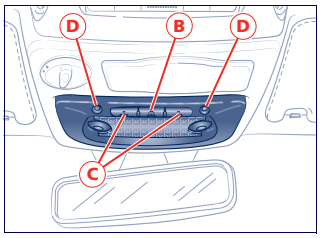
Front dome light

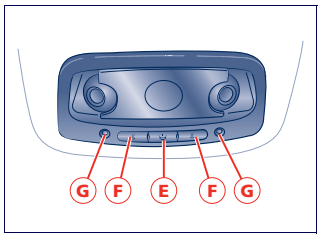
The dome light includes a central light and two reading lights. The central light, which turns on automatically when one of the doors is opened and turns off following the door closing (timed switching off) may be switched on manually by pressing button **B**.
The reading lights are controlled by the respective buttons **C**.
If they are turned on pressing the button, both the central and reading lights will remain on for about 15 minutes after turning the engine off, and then will turn off.
When the exterior lights are turned on, the two night LEDs **D** illuminate.

Opening one or more doors, the front and rear dome lights will turn on for approx. 3 minutes. If the door is closed before this time has elapsed, the lights will switch off after about 10 seconds.
Upon removing the key from the switch and activating the centralized door lock with the remote control, the dome lamps turn on for about 10 seconds.
In the event of a collision causing the inertia switch to turn on, the dome lights turn on automatically for approx. 15 minutes.

Rear dome light

The dome light includes a central light and two reading lights. The central light, which turns on automatically when one of the doors is opened and turns off following the door closing (timed switching off) may be switched on manually by pressing button **E**.
The reading lights are controlled by the respective buttons **F**.
If they are turned on pressing the button, the reading light will remain on for about 15 minutes after turning the engine off, and then will turn off.
When the exterior lights are turned on, the two night LEDs **G** illuminate.





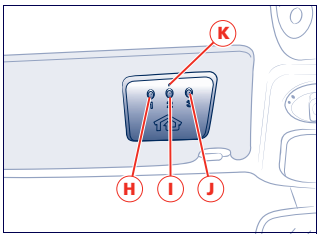
Internal Equipment

HomeLink

This system allows you to control automatic gate and garage door opening devices, as well as lighting or alarm systems from inside the vehicle. Programmable directly on the transmitting station by means of the original remote controls for the devices to be controlled, it adapts to the existing systems.
The control and programming panel is composed of three keys: **H**, **I**, **J** and a LED **K**.

Customer Assistance

If you have problems with training the HomeLink Universal Transceiver, or would like information on home products that can be operated by the transmitter, call (800) 355-3515. On the Internet, go to www.Homelink.com.



Important Safety Precautions

Always refer to the operating instructions and safety information that came with your garage door opener or other equipment you intend to operate with the HomeLink Universal Transceiver. If you do not have this information, you should contact the manufacturer of the equipment.

While training or using HomeLink, make sure you have a clear view of the garage door or gate, and that no one will be injured by its movement.

General Information

If you are training HomeLink to operate a garage door or gate, it is recommended that you unplug the motor for that device during training. Repeatedly pressing the remote control button could burn out the motor.
HomeLink stores the code in a permanent memory. There should be no need to retrain HomeLink if your car's battery goes dead or is disconnected.
If your garage door opener was manufactured before April 1982, you may not be able to program HomeLink to operate it. Garage door openers manufactured before that date do not have a safety feature that causes them to stop and reverse if an obstacle is detected during closing, increasing the risk of injury. If you have questions, call (800) 355-3515.

Programming

– Press and hold down the keys **H** and **J**;
– after about 20 seconds, the LED **K** starts flashing;
– release the keys;
– hold the remote control for the device to be controlled close to the HomeLink control panel (12 in);
– simultaneously press and hold down the key of the hand-held remote control and one of the three HomeLink keys **H**, **I** or **J**;
– successful programming is signaled by the LED **K** flashing faster
– release the keys.

To program the other keys, repeat the operations skipping the first three steps.

Use

– When the signal of the device to be activated reaches its operating range, press the dedicated HomeLink key.
– The LED **K** remains on while the signal is being transmitted.

The devices controlled via the HomeLink function can, in any case, still be activated from the original remote controls.
Should the programmed HomeLink not activate the system to be controlled, it may be that it is controlled by a remote control with a rolling code.
A rolling activation code can be recognized in the following ways:

– consulting the instruction manual provided with the device to be controlled;
– despite the HomeLink programming procedure having been carried out correctly, the HomeLink function does not activate the device;
– holding the dedicated HomeLink key pressed down, the LED **K** briefly flashes fast and then stays on for 2 seconds; this sequence is repeated for about 20 seconds.

Programming for devices controlled by rolling code

– Locate the specific setting key by consulting the user manual of the system to be controlled. This is normally located on the motor which drives the device.
– Press the key and, in normal conditions, a LED will come on.

WARNING: Normally, after this operation you have 30 seconds to start the next one.

– Briefly press the HomeLink key you have chosen to control the device (**H**, **I**, **J**).
– Press it a second time; when it is released the operation should be completed. For some types of motors, the key might have to be pressed a third time.

Reprogramming a single key

If you want to program activation of a new system on an already used HomeLink key, proceed as follows:

– press and hold down the HomeLink key selected;

– after about 20 seconds, the LED **K** starts flashing; keep the key pressed down;

– hold the original remote control of the device to be controlled close to the HomeLink control panel (12 in);

– press and hold down the original remote control key;

– successful programming is signaled by the LED **K** flashing faster;

– release both keys.

The system previously programmed on HomeLink has thus been replaced with the new programming and is ready to be used.
This operation has no impact on the other HomeLink keys.

Deleting the programmed keys

Unlike programming which is done for each individual key, deletion is done for all three keys simultaneously.
To delete, proceed as follows:

– press and hold down the keys **H** and **J**;

– after about 20 seconds, the LED **K** starts flashing;

– release the keys.

WARNING: It is advisable to carry out the HomeLink deletion procedure when selling the vehicle.

As required by the FCC:

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

This device complies with Industry Canada Standard RSS-210.
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference that may cause undesired operation of the device.

Sun visors

They can be folded to the front and to the side of the vehicle. To move the visor to the sides, lower and release it from the catch **L**.
By lowering the visor on the passenger's side you can access the courtesy mirror with incorporated light; the light turns on automatically (with the ignition key in the **MAR (ON)** position) raising the mirror protective cover. Before raising the visor, close the mirror cover.

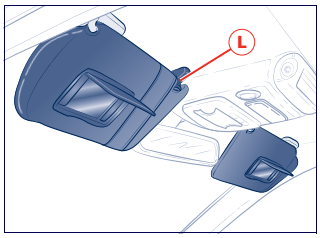
Clock

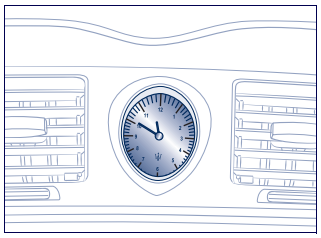
The clock is adjusted automatically by setting the time with the Bose® Infotainment.
The clock illuminates when the external lights are turned on.

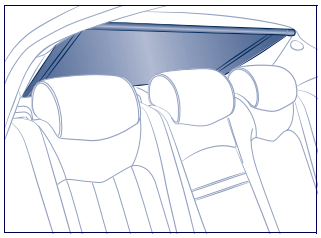
Rear window sunshade

The electrical sunshade works with the ignition key in the **MAR (ON)** position. The control buttons are located both on the front and on the rear dashboard.

WARNING: Before activating the sunshade, make sure that there are no objects that may interfere with its travel.







Press button **M** to raise the sunshade and button **N** to lower it.

WARNING: If the sunshade guide needs to be cleaned with solvents, it must then be greased in the area where the sunshade slides using Teflon based grease.

WARNING: If the sunshade is moved up and down at least 4 times within a time period of 25 seconds, the system deactivates for 30 seconds. Before disabling the sunshade, the system will complete the movement in progress. The last movement performed will be opposite to the starting movement.

Rear door sunshades (optional)

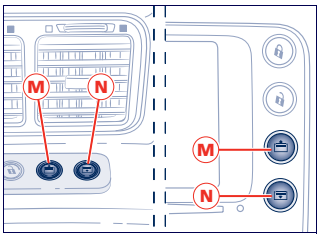
Housed on the rear doors, they retract automatically. To pull out the sunshade, pull on the grip **O** and latch it into the catches **P** located on the top edge of the door.

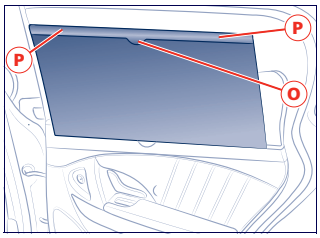
Front ashtray and cigarette lighter

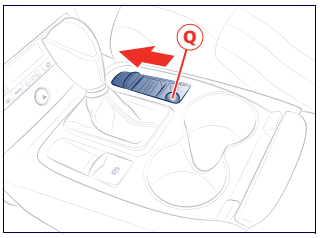
They are found on the central console, hidden by a cover. To open the cover, slide it forward.
Pressing the lighter **Q** downwards activates the cigarette lighter. After about 20 seconds, this returns automatically to the initial position and is ready for use.
Remove the tray in order to clean the ashtray.

WARNING: Always make sure that the cigarette lighter has been switched off.

The cigarette lighter reaches high temperatures. Handle it carefully and do not allow children to use it: risk of fire and burns!







Rear ashtray

It is located on the rear central console, hidden by a cover. To open the cover, hold and pull it from the protruding part.
Pressing the lighter **R** downwards activates the cigarette lighter. After about 20 seconds, this returns automatically to the initial position and is ready for use.
Remove the tray in order to clean the ashtray.

Beverage holder on center console

This is found behind the gearbox lever.

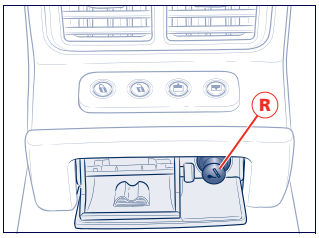
Glove compartment

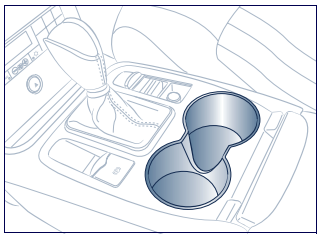
Positioned in the lower part of the dashboard, on the passenger side, it can be opened pressing button **S**. The button only works with the ignition key turned to **MAR (ON)** and for about 10 minutes after having extracted the key or rotated it to the STOP position. The compartment is lit by a courtesy light when it is open.

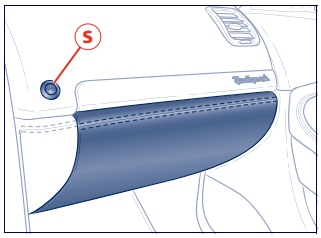
To help ensure passenger safety, the compartment must always remain closed while driving.

If the button controlled opening is faulty, the compartment can be opened by pulling the emergency cable behind the compartment itself.

WARNING: Do not place objects weighing over 22 lb (10 kg) in the glove compartment.







Temperature controlled beverage holder

The front armrest houses a beverage holder into which air is sent directly from the air conditioning/heating system.
To access the compartment, pull the armrest holding it from the handgrip. To activate the air-conditioning/ heating ventilation inside the compartment, move control **T** upwards. To stop it, move control **T** downwards.

WARNING: The temperature of the air inside the beverage holder is the same as that coming out from the air conditioning/heating vents, it therefore depends on the temperature set via the relative control panel.

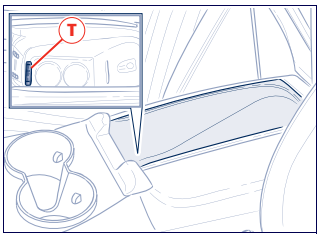
Map pockets

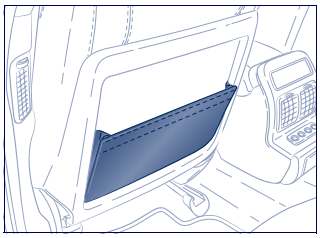
The front seats are fitted with map pockets located on the rear of the seatbacks.

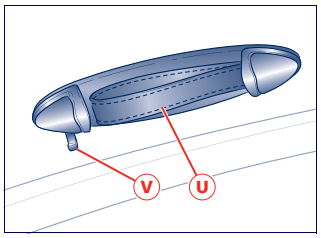
WARNING: Do not put heavy or sharp objects in the map pockets.

Handholds

Usually laying in a horizontal position, the handhold **U** can rotate until reaching a vertical position. A return spring automatically repositions the handhold in the horizontal position. The rear handholds also include a clothing hook, **V**.







Internal Equipment

Tables (optional)

They are installed on the back of the front seats.
Opening: lift the table **W** until the supporting mechanism clicks in place.

When one or more tables are open, passengers traveling in the rear seats must fasten their seat belts as indicated on the table.

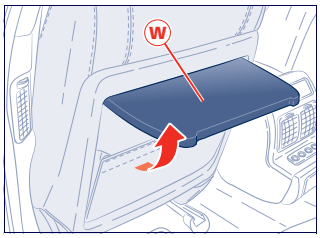
When traveling with one or more child seats fitted on the rear seat of the vehicle, the tables must be closed.

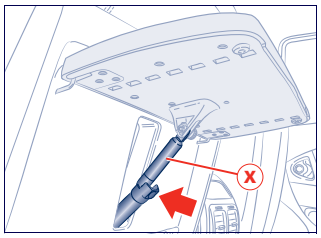
When closing the table always guide it down: risk of crushing.

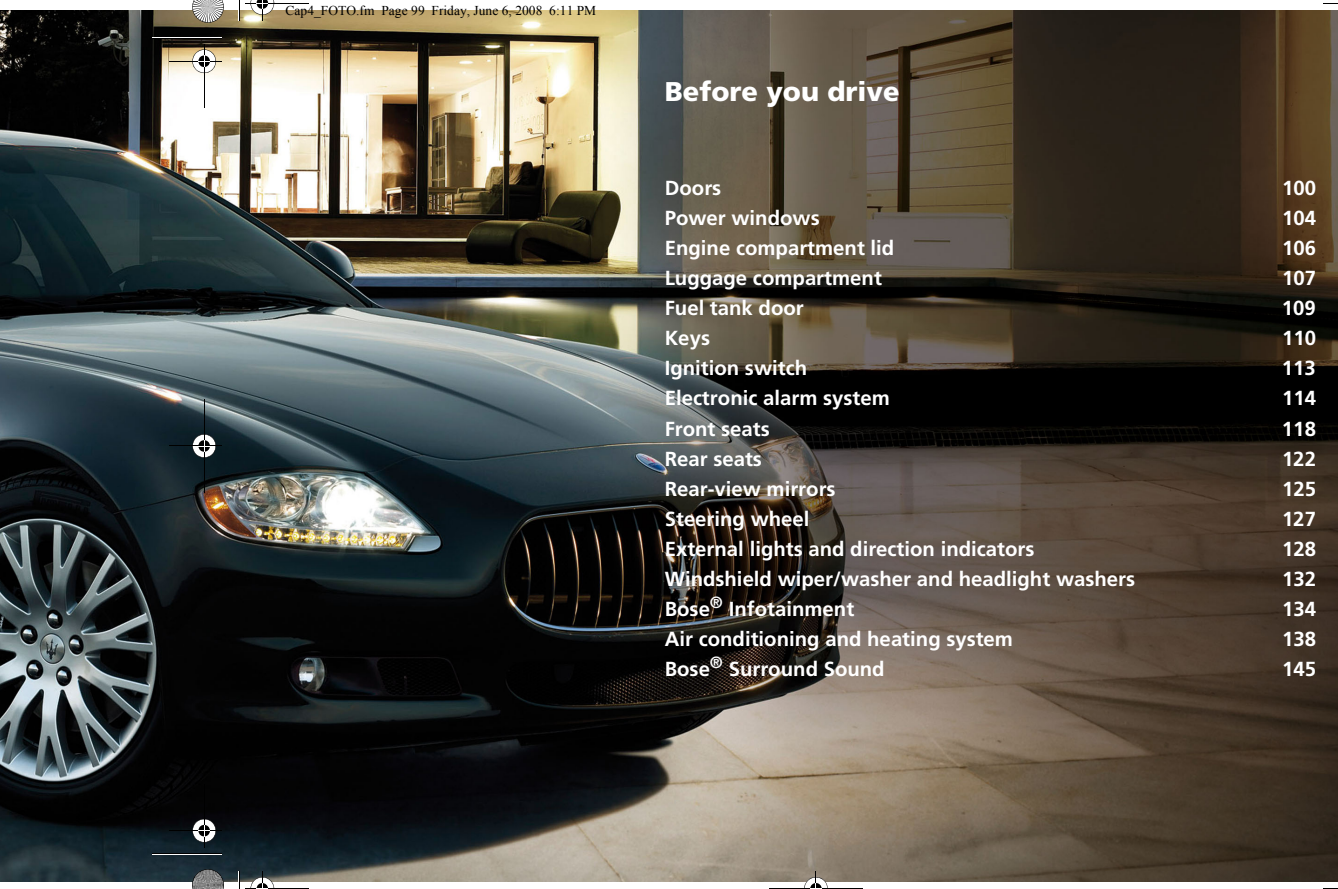
WARNING: As the table is not equipped with beverage holders, do not place open drink containers on the tables while driving, as the surrounding upholstery could be stained or damaged if they fall over.

Closing: press the support bracket **X** to release the mechanism and then lower the table **W**.

When you are not using the table W, you should close it to prevent passengers sitting in the rear seats from being hit by its edges and corners.







Before you drive

Doors

Before opening a door, ensure the maneuver can be performed safely.

Opening doors from the outside

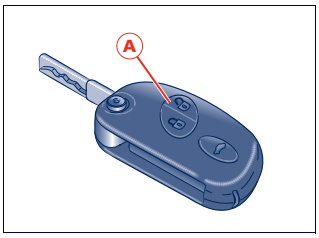
Switch off the alarm and the centralized locking system by pressing button **A** on the radio control (see chapter "Electronic alarm system", page 114) or insert and turn the key in the lock on one of the front doors. To open the door, press button **C** on the inside of each handle.
The vehicle is equipped with power latches which move the mechanical parts during door-opening maneuvers. In the event of an emergency (e.g., dead battery or electric system failure) to open the doors when the locks are released, press button **D** for the front and rear doors. Otherwise, if the doors are locked, you must release them by turning the key in the lock to open them, then press button **D**.
On the front door panels, in a position which is visible from the outside, there is a dual-color (green/red) LED **E** which indicates the locks' status (locked/unlocked). The red LED lights up for 3 seconds after the locks are engaged and the green LED for the same amount of time when they are released.

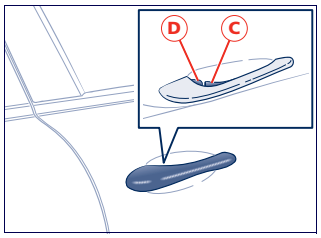
WARNING: The door LEDs remain lit for approximately 3 seconds and therefore, in normal conditions, the LEDs are turned off.

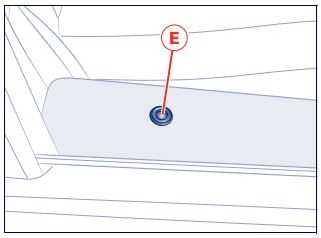
When the alarm system is activated and the doors are locked, the LEDs on the doors flash.
The remote control allows you to operate the centralized opening of all the doors or only the driver's door depending on the setting in the Bose® Infotainment.
If, when the doors are closed from outside, one or more of the doors and/or the luggage compartment lid are not properly closed, the direction indicators flash quickly for a few seconds.

WARNING: The internal door lock/unlock buttons are disabled when the doors are locked from the outside.

WARNING: In the event that the inertia switch trips, the doors are electrically unlocked and the vehicle can be accessed by pressing button **D**.







Doors

Opening from the inside

To open the front doors even if the locks are engaged pull the interior handle **F**.
To open the rear doors, the lock must also be manually released by lifting the door lock button **G**, located on both doors.

WARNING: There is no warning light or message on the panel to signal the door lock button position to the driver.

There are two buttons on the front and rear consoles which control the electric locking and unlocking of the doors:
K – Door locking
L – Door unlocking

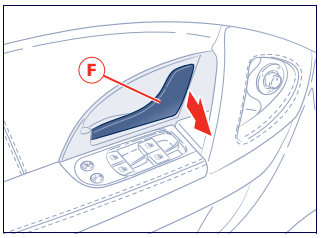
WARNING: When the door is open, the door lock cannot be activated either electrically or mechanically.

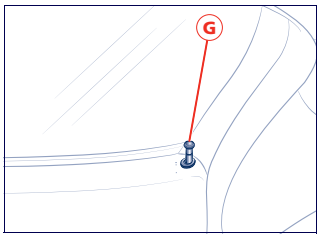
WARNING: If the door is partially latched, do not attempt to close it by pushing it, but open and close it again.

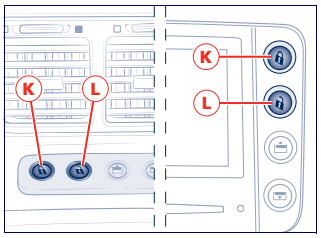
WARNING: When pulling the interior handle on the driver's door, either all the locks are released or only that of the driver's door, depending on the settings of the Bose® Infotainment.

Doors open warning lights

If the doors and the engine/luggage compartment lids are not closed properly, it is signalled by the relative warning lights on the instrument panel display illuminating, accompanied by the messages "Door open" or "Doors open".







Doors

Child safety device

This device is used to prevent the rear doors from being opened from the inside.
It is enabled/disabled by inserting the ignition key into device **M** and rotating it to the following positions:
1 – device disabled (unlocked);
2 – device enabled (locked).

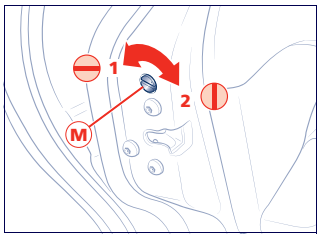
When the device is enabled on the relevant door, it cannot be opened from the inside in any condition.

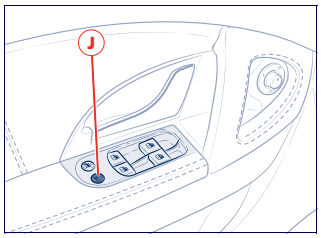
WARNING: When pulling the interior handle **F** on the rear doors and noticing that the handle moves freely, do not exert excessive force on the handle as the child safety device is enabled.

The child safety device remains enabled even when the central door locking is activated.

Easy entry/exit system cut-out device

This device is used to activate/deactivate the Easy entry/exit system. Deactivation is signalled by the illumination of the LED on button **J**.





Automatic door locking over 10 mph (16 km/h)

Using the Bose® Infotainment system, the doors, engine and luggage compartment lids and fuel tank door can be set to lock automatically when the vehicle speed exceeds 10 mph (16 km/h).
To activate/deactivate this function, please see the "Bose® Infotainment" manual.

WARNING: If you need to have the vehicle tested on a roller bench with nobody onboard, you must verify, through the Vehicle Options menu, that the automatic door locking feature - that is activated upon exceeding 10 mph (16 Km/h) is disabled, or that a window is open, or that you have an additional key left out of the vehicle.

Door release in the event of an accident

In the event of a collision with activation of the inertia switch, the door locks are automatically released to allow rescuers to access the passenger compartment from outside.

If the centralized locking has been activated from the inside and, following a collision, the inertia switch was unable to activate the door release function due to loss of the battery or damage to it, it will not be possible to access the passenger compartment from outside. However, whether the doors can be opened or not depends on the condition they are in and, in fact, if a door is damaged it may be impossible to open it, even if the lock is not engaged. In this case, attempt to open the other doors.

Door lock ECU initialization

Every time the battery is connected or a fuse replaced, to restore correct operation, the system initialization procedure must be performed. This consists in a door lock/release cycle effected using the door remote control.

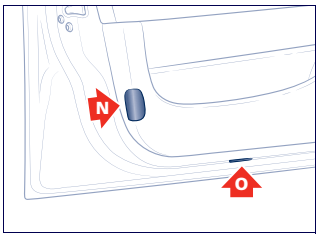
Door open indicator

Each door is provided with a reflector **N** fitted on the lower side of the door panel.

Underdoor courtesy light

Each door panel is fitted, on the lower side, with a courtesy light **O** to illuminate the area where passengers enter/exit the vehicle.

Gearshifting is always active and may be performed even when one or more doors, the engine compartment lid or the luggage compartment lid are open. Therefore, in these conditions, take great care to avoid moving the gearshift lever and accidentally engaging the gears.



Doors

Power windows

Finger-trap prevention device

The system is designed to detect the presence of an obstacle, during the window's upwards stroke, consequently interrupting the upwards travel and reversing it immediately.
If the finger-trap prevention function is activated 5 times within a minute, the system automatically enters the "recovery" mode, which is indicated by the window moving upwards in a jogging motion. To restore normal operation, press the control once again or turn the key to the **STOP** position and subsequently to the **MAR** (**ON**) position.
If there are no system malfunctions the window operation will return to normal. If this is not the case, contact your local **Authorized Maserati Dealer**.
When the system detects a fault, the " " symbol appears on the instrument panel display, accompanied by a failure message.
It can only be operated with the ignition key in the **MAR** (**ON**) position.

Improper use of the power windows can nevertheless be dangerous, even if the vehicle is equipped with the finger-trap 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 dragged or hit by it. When you get out of the vehicle, always remove the ignition key to prevent the windows from accidentally being activated posing a risk to passengers remaining onboard.

Operation in manual and automatic modes

The front and rear power windows can be operated both automatically (opening and closing) and manually.
The operation mode is selected according to the length of the power window's operation impulse.
If the button is kept pressed down or pulled up, the automatic operation is activated, upwards or downwards, respectively. The window stops when it reaches the stroke end or if the button is pushed again.
A short impulse causes a small movement of the window, which stops when the button is released.

Controls

The armrest on the driver's door is equipped with controls for operating all of the power windows, while the panels on the other doors house the control for the relative window only.

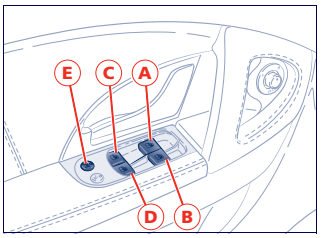
A - opening/closing front left-hand window

B - opening/closing front right-hand window

C - opening/closing rear left-hand window

D - opening/closing rear right-hand window

E - disabling/enabling power window controls on the rear doors. The controls are disabled when the LED on the button is illuminated.



Central opening/closing of the windows

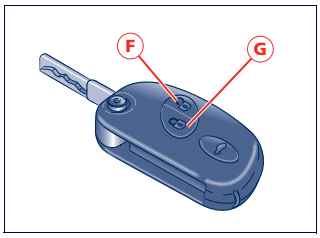
The central opening/closing system for the windows can be activated in the following conditions:

– ignition key removed

– all doors must be properly closed.

To activate the central closing of the windows, hold the button **G** on the remote control down for more than 2 seconds after the doors have been closed. The power windows are operated until they are completely closed or until the button is released.

WARNING: Before leaving the vehicle, it is advisable to check that the windows and the sunroof are completely closed.



To activate the central opening of the windows hold the button **F** on the remote control down for more than 2 seconds after the doors have been unlocked. The power windows are operated until they are completely opened or until the button is released.

WARNING: Before activating the alarm system, check that all the windows and the sunroof are closed to prevent undesired triggering of the alarm.

Improper use of the power windows can nevertheless be dangerous, even if the vehicle is equipped with the finger-trap 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 dragged or hit by it. When you get out of the vehicle, always remove the ignition key to prevent the windows from accidentally being activated posing a risk to passengers remaining onboard.

Engine compartment lid

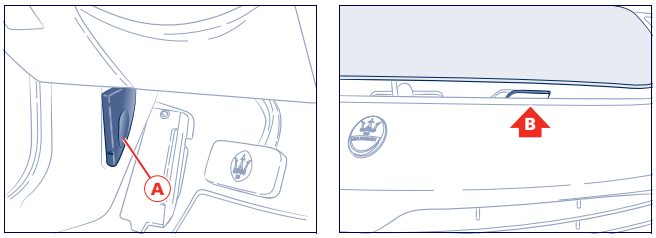
To open the engine compartment lid: pull lever **A** located on the lower left-hand side of the dashboard.

Disengage the safety device by lifting the lever **B** shown in the figure.
Lift the lid: this operation is facilitated by two gas struts.
The lid positions itself at the maximum opening position and does not require support stays.

To close the lid: lower it to about 8 in. (20 cm) from the engine compartment and let it drop; it will close automatically.

Always check that the engine compartment lid is properly closed, to prevent it from opening while travelling.

Gearshifting is always active and may be performed even when one or more doors, the engine compartment lid or the luggage compartment lid are open. Therefore, in these conditions, take great care to avoid moving the gearshift lever and so accidentally engage gears.



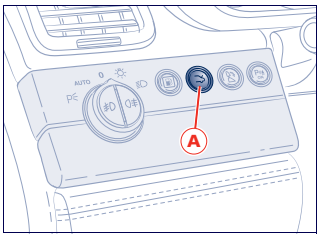
Engine compartment lid

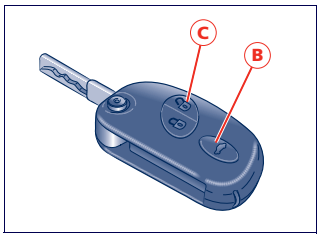
Luggage compartment

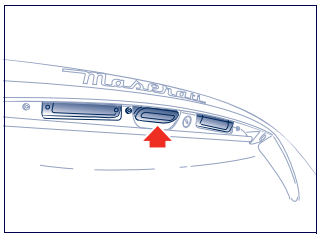
The luggage compartment lid can be opened from the inside or outside of the vehicle. Button **A**, used to open the lid from inside the passenger compartment, located to the left of the steering wheel; operation is only possible with the ignition key removed or in the **STOP** and **ACC** position.
To open the luggage compartment lid from the outside, press button **B** on the ignition key or **C** on the lid, or insert the key in the lock of the luggage compartment lid and turn it anticlockwise, thus mechanically releasing the lock. This mechanical procedure does not inhibit any subsequent electric opening request, whether coming from button **A** or **B**.
Depending on the Bose® Infotainment settings, the luggage compartment may be unlocked also using the door unlock control **C**, see page 124 of the Bose® Infotainment manual.
If the lock is released, to open the luggage compartment lid simply press the button under the license plate lights molding.
To prevent the controls being operated accidentally while the vehicle is travelling, the luggage compartment can only be opened when the ignition key is removed on or in the **STOP** and **ACC** position.
Raising the lid is facilitated by the action of the gas struts.Vehicles are also equipped with a lever inside the luggage compartment, which permits opening from the inside.

The struts are calibrated to help ensure proper operation with the weights specified by the manufacturer.
Arbitrary additions of objects (spoilers, parcel racks, etc.) can jeopardize proper operation and safety in the use of the luggage compartment lid.

When using the luggage compartment, never exceed the maximum loads allowed (see section on "Capacities and Technical Specifications"). Also check that the objects contained in the luggage compartment are arranged properly.







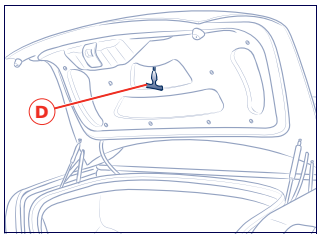
Luggage compartment

The luggage compartment is illuminated by a dome light that comes on automatically when the lid is opened; switching off is timed.
If the luggage compartment lid is left open, the light switches off after a few minutes. To turn it on again, close the lid and then re-open it.

WARNING: If the luggage compartment lid is opened mechanically (i.e., by inserting and then turning the key in the lock) the power locking will be disabled. When the lid is reopened electrically, normal operation will be restored.

Emergency opening of the luggage compartment

In the event that somebody is accidentally locked in the luggage compartment, the lid can be opened from the inside by pulling the lever **D** positioned in the center of the lid. The lever is visible even in poor light conditions.



Fuel tank door

The fuel tank door is found on the rear, left-hand side of the vehicle. To open the door, press button **A** located on the left of the steering wheel.
It can be operated only when the ignition key is removed or turned to **STOP**.
The cap's hermetic seal may allow a slight pressure increase in the tank. Any hissing noise while the cap is being released is therefore completely normal.
When refuelling, the cap should remain attached to the door by means of the respective hook **B**.

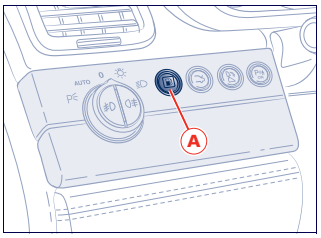
The cap is linked to the fuel door with a strap, so that it cannot be misplaced while refuelling.
The door must be re-closed manually. Before closing the door, check that the fuel filler cap is fully tightened.

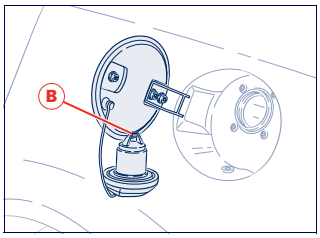
No open flames or lit cigarettes close to the filler: risk of fire!

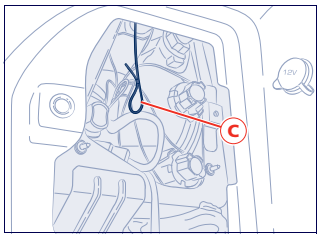
Also avoid putting your face close to the filler neck so as not to inhale noxious fumes.

Fuel tank door emergency opening

If necessary, the door can be opened by pulling the small cable **C** located on the left-hand side of the luggage compartment.





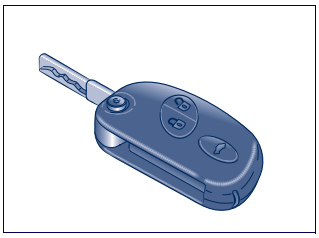


Fuel tank door

Keys

The Maserati CODE system

In order to increase protection against attempts at theft, the vehicle is equipped with an electronic engine immobilizer system (Maserati CODE), which is automatically activated when the ignition key is removed.
Each ignition key contains an electronic device which transmits a code signal to the Maserati CODE control unit, and engine ignition is enabled only if the key code is recognized by the system.
Two keys are supplied with the vehicle.



Keys

The key can be used for:

– start-up;
– door central locking;
– electrical and manual opening of the luggage compartment;
– activating/deactivating the alarm system.

Operation

Each time the ignition key is removed the from the STOP position, the protection system will activate the engine immobilizer.
When the key is turned to **MAR** (**ON**), upon engine start-up:
1) If the code is acknowledged, the warning light CODE on the instrument panel will turn off within a second, while the OBDII warning light, once the ECU diagnosis cycle has been completed, will turn off after about 18 seconds. Under these conditions, the protection system recognizes the key code and deactivates the engine immobilizer. Turn the key to start the engine.

2) If the CODE warning light stays on and the OBDII one goes off after 18 seconds and then comes on again immediately, the code is not recognized. If this occurs, turn the key to STOP and then back to **MAR** (**ON**). If the immobilizer stays on, try with the other key. If you still cannot start the engine, try the emergency start procedure (see on page 190) and contact your local **Authorized Maserati Dealer.**

While driving, with the ignition key in the **MAR** (**ON**) position:
1) If the CODE warning light comes on, it means that the system is running a self-diagnosis cycle. At the first stop, you can test the system: turn the ignition key to STOP to stop the engine and then back to **MAR** (**ON**). The warning light CODE will come on and should go out in approximately one second. If the warning light stays on, repeat the procedure described previously leaving the key at STOP for more that 30 seconds. If the fault persists, contact your local **Authorized Maserati Dealer.**

2) If the CODE warning light flashes, it means that the vehicle is not protected by the immobilizer device. Contact your local **Authorized Maserati Dealer** immediately to have the codes of all the keys restored in the memory.

WARNING: Strong impact can damage the electronic components in the key.

WARNING: Each key supplied has its own specific code, which must be stored in the memory of the system control unit.

Duplicating the keys

When ordering additional keys, remember that memorizing (up to maximum of 7 keys) must be carried out on all the keys, including those already in your possession. Contact your local **Authorized Maserati Dealer** directly, bringing with you all the keys in your possession, the Maserati CODE system CODE CARD, the electronic alarm system CODE CARD, a personal ID and the identification and registration documents proving ownership of the vehicle. The codes of any keys that are not available when the new storage procedure is carried out will be deleted from the memory to prevent any lost or stolen keys being used to start the vehicle.

Emergency starting

If the MASERATI CODE fails to deactivate the engine immobilizer, the warning light CODE will light up with a fixed light, the OBDII warning light will go out after four seconds and then will come on immediately and the engine will not start. To start the engine, it is necessary to follow the emergency start procedure.

WARNING: We recommended that you read the entire procedure before carrying it out. If you make a mistake, you should turn the ignition key to STOP and repeat the operations from step 1.

1) Read the 5-digit electronic code on the CODE CARD.

2) Turn the ignition key to **MAR** (**ON**): the CODE and OBDII warning lights are on.

3) Press the accelerator pedal fully down and keep it pressed. Approximately 8 seconds later, the OBDII warning light will go off. Release the accelerator and get ready to count the number of times the OBDII warning light flashes.

4) As soon as the displayed number of flashes is equal to the first digit of your CODE CARD, depress the accelerator and keep it pressed down until the OBDII warning light goes off, after being off for approximately 4 seconds; you can now release the accelerator pedal.

5) The OBDII warning light starts flashing again. As soon as the displayed number of flashes is equal to the second digit of your CODE CARD, press down the accelerator pedal and keep it pressed.

6) Proceed in the same manner for the remaining digits in the code on the CODE CARD.

7) When the last digit has been entered, keep the accelerator pedal pressed down. The OBDII warning light comes on for 4 seconds and then goes off; you can now release the accelerator pedal.

8) A quick flashing of the OBDII warning light (about 4 seconds) confirms that the operation has been carried out correctly.

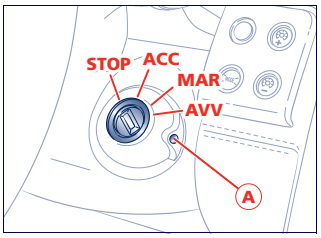
9) Start the engine turning the key from **MAR** (**ON**) to **AVV** (**START**).

If the OBDII warning light remains on, turn the key to STOP and repeat the procedure from step 1.
This procedure can be repeated an unlimited number of times.

WARNING: After an emergency start-up, you should contact your local **Authorized Maserati Dealer**, otherwise you will have to perform the emergency start procedure every time the engine is started.

Ignition switch

The starter switch can be turned to 4 positions:
STOP - Engine off, engine immobilizer and steering lock activated, connected devices cut-off, except those that are not operated by the key (e.g., door lock, luggage compartment opening control, etc.). The key can be removed.
ACC - Cigarette lighter and power sockets. The key cannot be removed.
MAR (ON) - Driving position (on). All electrical devices can operate.
AVV (START) - Engine start-up.



When getting out of the vehicle, remember to always remove the ignition key, in order to prevent that anybody remaining in the vehicle may involuntarily activate the controls.

WARNING: The ignition key can only be removed from the switch when the gearshift lever is in position **P**. In addition, it must be removed within 30 seconds after turning the key to **STOP**. In the event that the key unlocking system fails or if it is not possible to shift the gearshift lever to **P**, to remove the key you must turn it to **STOP**, then remove the cap **A**, using a pen or sufficiently pointed tool, then press the button just uncovered and at the same time extract the key. Once the key has been removed, refit the cap **A**.

After stopping the vehicle, always shift the gearshift lever to P.

If the ignition switch is tampered with (e.g., theft attempt), have it checked by your Authorized Maserati Dealer to verify that it works properly before you drive.

If the automatic electric parking brake engagement function is deactivated, remember to engage the parking brake manually.

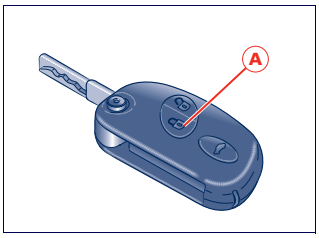
Never leave children unattended in the vehicle.

Electronic alarm system

The electronic alarm system performs the following functions:

- remote centralized door locking/ unlocking
- perimeter surveillance, detecting the opening of doors, front and rear lids
- motion surveillance, detecting intrusion in the passenger compartment
- vehicle movement surveillance.

WARNING: The engine immobilizer operation is designed to automatically activate when the ignition key is removed from the starter switch.



Electronic alarm system

Activation

To turn on the electronic alarm system, press button **A** on the key:

- the direction indicators will flash once;
- the system beeps;
- the red LEDs on the front door panels flash;
- the vehicle's centralized door locking system is activated and locks the doors.

The alarm system becomes operative after approximately 25 seconds and the alarm is activated if:

- a door is opened
- the luggage compartment lid is opened
- the engine compartment lid is opened
- someone attempts to enter the vehicle from a window
- the power supply is cut off
- the siren is disconnected
- the car moves.

When the alarm is switched on, the user may request the luggage compartment opening; in this case, the motion sensors and inclination sensors are temporarily deactivated.
If the luggage compartment is then closed, the sensors will be reactivated.

Should the direction indicators flash 9 times when you activate the alarm system, this means that one of the doors or lids is not closed properly and therefore is not protected by the perimeter surveillance. Check for correct closing of doors, rear/front lid and close the open one, even without deactivating the alarm system: the direction indicators flashing once indicate that now the door, front/rear lids are closed properly and are protected by the perimeter surveillance.

WARNING: If the direction indicators flash 9 times when the alarm system is activated with doors, front and rear lids properly closed, it means that the self-diagnosis function has detected a malfunction in the system and that you should contact your local **Authorized Maserati Dealer** to have the system checked.

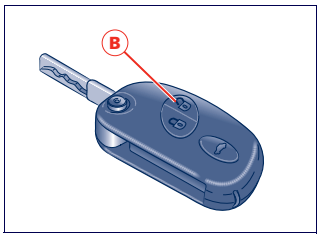
Deactivation

To switch the electronic car alarm off, press button **B** on the key:

– the direction indicators flash twice;
– the system gives a double beep;
– the red LEDs on the front door panels switch off and turns green;
– the centralized door lock system is activated and the doors are unlocked.

The alarm system is off and it is therefore possible to get into the vehicle and to start the engine. Pressing button **B** twice unlocks the doors and also switches on the low beams for 30 seconds.

WARNING: The alarm system is not deactivated when the key is turned in the locks.



Getting into the vehicle when the alarm system is on

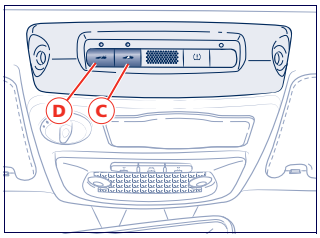
When the remote control battery is flat, to access the vehicle insert the key in the lock of one of the two front doors and turn it clockwise to release it: the alarm will sound but you will have to continue with the normal starting procedure regardless (see page 150). The alarm will be deactivated.

Deactivating the motion sensing alarm

The motion sensing system can be deactivated by pressing button **C** on the roof. When this function is deactivated, the LED on the button will flash for 3 seconds and then turn off.

Deactivating the anti-lift alarm

Pressing button **D** deactivates the lift protection alarm. When this function is deactivated, the LED on the button will flash for 3 seconds and then turn off.



Electronic alarm system

Alarm memory

If the warning light appears on the display when the vehicle is started, this means that an intrusion has been attempted during your absence.

The alarm system memory is reset when you turn the ignition key.

Ordering extra radio operated controls

To order extra radio operated control keys, contact your local **Authorized Maserati Dealer** only and remember to take with you:

– all the keys in your possession with related remote control
– the Maserati CODE system's CODE CARD
– your identity card
– the identification and registration documents proving ownership of the vehicle.

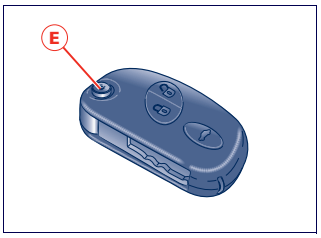
WARNING: Radio-operated controls that are not given to the dealer for the new code storing procedure, will be automatically deactivated in order to prevent any lost or stolen radio-operated controls from being used to deactivate the electronic alarm system.

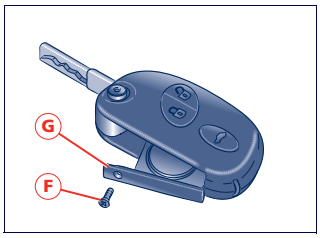
Replacing radio operated control batteries

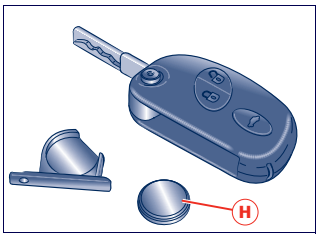
If, when one of the three buttons is pressed, the corresponding function does not activate, replace the remote control battery after checking the operation of the alarm system functions with the other remote control.

To replace the remote control battery:

– extract the key by pressing button **E**
– undo the screw **F**
– remove the battery support **G**
– extract the battery **H** from its retaining ring
– fit a new battery of the same type, observing the indicated polarity
– fit the battery support **G** into the remote control and secure it by tightening the screw **F**.







Electronic alarm system

Front seats

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. Adjust the driver's seat only when the vehicle is stationary.

The seats can only be adjusted with the ignition key in the **MAR** (**ON**) position. It is however possible, when the door is closed, to operate the seat for approx. 15 seconds after turning the ignition key to **STOP** and then for other 15 seconds after the last operation.

Back/forward adjustment

Push lever **A** on the outer side of the seat forward or back.

Height adjustment

Grip lever **A** at the center and push it down or up.

Seat inclination adjustment (tilting)

– Front part of seat: push the front end of lever **A** up or down.
– Rear part of seat: push the rear end of lever **A** up or down.

Seatback rake adjustment

Push lever **B** forwards or backwards to raise or lower the backrest.

Sitting in a reclined position while the vehicle is in motion could be dangerous. The seatback should not be tilted back too far.

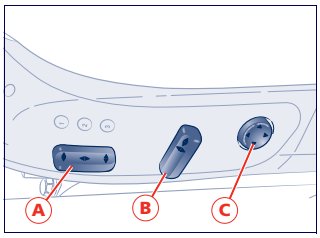
The 3-point shoulder/lap belt must remain firm against the occupant's body in order to function properly. Therefore, both the driver's and passenger's reclining seatbacks must always be in a fairly upright position while the vehicle is in motion; otherwise the 3-point shoulder/lap belt would not remain firm against the occupant. Serious injury could result!

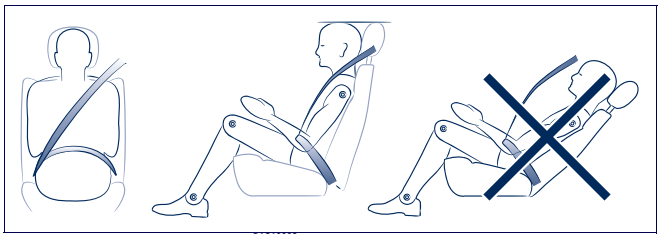
Adjusting the headrest

Move the lever **B** up or down to align the upper edge of the headrest with the top of the occupant's head.

Lumbar support adjustment

Push the horizontal arrows on the lever **C** to increase or decrease lumbar support and the vertical arrows to raise or lower it.





Front seats

Comfort Pack (optional)

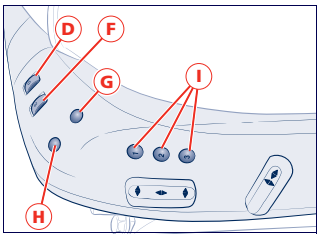
This includes the installation of the following optional systems inside the seats:

Ventilation system

This can be activated and deactivated by rotating wheel button **D**. By means of two fans (one in the cushion and one in the seat back), this system provides ventilation for the thigh and back areas.
Still using the wheel button **D**, the intensity of the ventilation can be set at 3 levels.

Heating system

The heating is switched on by rotating wheel button **F**. Two heating pads are used to heat the seat. When this function is active for one or more seats, the relative warning light will light up on the display.



Also, using wheel button **F** the intensity of the heating can be set at 3 levels.

Massage System

This function is activated by pressing the corresponding button **G** and, by means of a system of inflatable and deflatable bags enclosed in the cushion and seat back, it provides a massage function in the thigh and lumbar region areas. The function can be switched off by pressing button **G** again.
The massage cycle lasts 5 minutes in total, after which the function cuts out and the previous settings are restored.

Self-adaptive system

The system is activated by pressing button **H** and it enables the seats to adapt themselves to the occupant's body, using inflatable bags.
If the button is pressed a second time, the system is deactivated.

Each system is independent of the others and can be operated separately using specific buttons for each seat.

The Comfort screen page related to the modified feature will be displayed whenever you operate any control.

The seat comfort screen page can be displayed on the instrument panel by pressing the MODE button. This screen page shows the operating status of each individual system.

WARNING: Switch off the various systems when not required.

Winter Pack

With this type of equipment, the heating system is installed in the front seats only.

Storing the seats and external rear-view mirrors positions

The system allows different positions to be stored and recalled for the driver's seat and for the external rear-view mirrors (buttons **I**).
Memorization is only possible with the ignition key in position **MAR** (**ON**).
Adjust the position of the seat, the headrest, the external rear-view mirrors and the steering wheel, then engage the reverse gear and reposition the external passenger side mirror to ensure the best possible visibility to perform the maneuver, then disengage the reverse gear. Next press one of the three buttons "1", "2" or "3", each one corresponding to a memorizable position, for 3 seconds until you hear a double confirmation tone.
Lumbar support adjustment is not included in the seat position memorization.

The memorization of a new seat position cancels the one previously memorized with that particular button.
To recall one of the stored positions with the door open, press the relative button "1", "2" or "3" briefly.
To recall a stored position with the door closed, press the corresponding button until hearing a tone that confirms the seat has stopped.

WARNING: To stop the seat, press one of the buttons - "1", "2" or "3" -, or one of the adjustment controls.

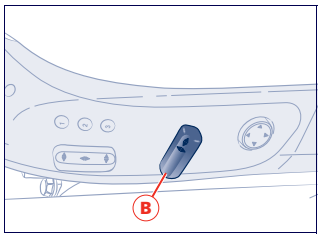
WARNING: Malfunctioning of the seat control unit is indicated by a sequence of 5 tones emitted when the ignition key is turned to position STOP: contact your local **Authorized Maserati Dealer** to correct the failure.

Headrest

The headrests are adjusted electrically for the height and manually for the tilting position.

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-bumper collision.

To adjust the headrests' vertical position, move the lever **B** upwards or downwards.

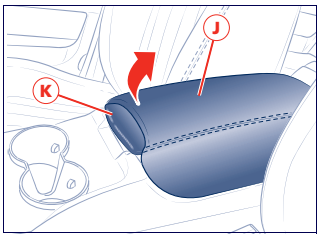


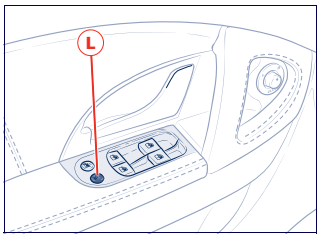
Armrest

To access the compartment, lift the armrest **J** pulling on the handle **K**. To close the compartment, lower the armrest until the lock engages.
Inside the armrest there is a temperature controlled beverage holder.

Easy entry/exit system

The easy entry/exit system makes it easier for the driver to get in and out of the vehicle. In fact, before the driver gets out, the seat moves back and the steering wheel rises.
The function is activated when the door is opened, only if the key has been extracted or is in position STOP. On re-entry, the driver finds the seat and steering wheel still in these positions. After sitting down and closing the door, upon turning the key to position **MAR** (**ON**), both the seat and the steering wheel return to their normal driving positions.
This function can be disabled/enabled by pressing button **L**.





Rear seats

These can seat three passengers.
The two side seats can be both tilted and moved back and forward electrically.

Rear seat adjustments

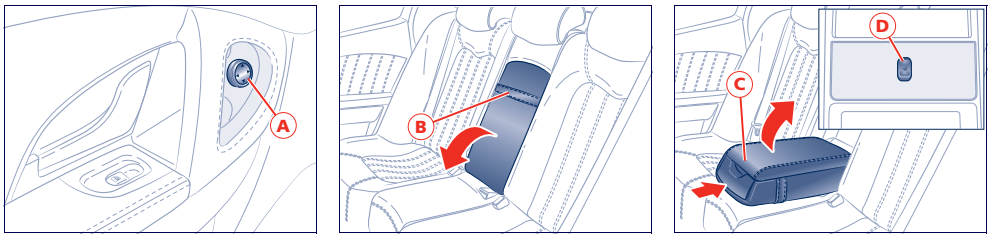
Lengthways adjustment
This is possible for the side seats only, and it is performed by pushing control **A**, located on the door panel, next to the seat you wish to adjust either forwards or backwards.

Seat inclination adjustment (tilting)
This is possible for the side seats only, and it is performed by pushing control **A** located on the door panel, next to the seat you wish to adjust either upwards or downwards.

Armrest

The rear armrest is moveable and can be folded up into the seatback. To lower it, pull the handle, **B**. To close it, pull it upwards then push it back into its seating.
Inside the armrest there is a compartment containing a 12 volt power socket.

To access the compartment, lift the armrest cover using the handle **C**. The compartment houses a control **D** to move the front passenger seat forward and back. To close the compartment, lower the cover.



Rear seats

Two cup holders are housed in the compartment **D**. To pull it out, press on its front.
If the rear-seat comfort pack is installed, you will find the relative controls inside the armrest on the rear seats.

Comfort Pack (optional)

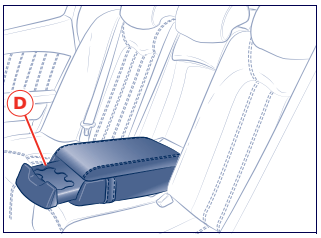
This includes the installation of the following optional systems and controls in the rear seats:

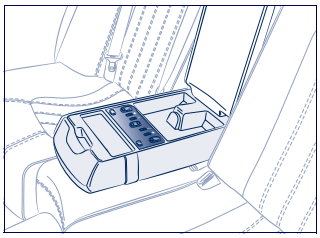
Massage System

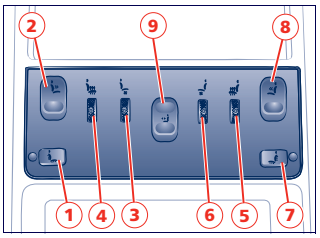
This system uses the inflatable bags mechanism and operates in the thigh and lumbar region area.
The massage cycle lasts 5 minutes in total, after which the function cuts out and the previous settings are restored. To activate the massage feature, press button **1** (left-hand seat) or **7** (right-hand seat). If the button is pressed again, the function is switched off.

Ventilation system

By means of two fans (one in the cushion and one in the seatback), this system provides ventilation for the thigh and back areas. The relative wheel button can also be used to adjust the intensity of the ventilation. To switch on the ventilation, rotate wheel button **3** (left-hand seat) or **6** (right-hand seat) to one of the positions, either "1", "2" or "3", depending on the air flow required. To switch off the ventilation, rotate the wheel button to position "0".







Rear seats

Heating system

Two heating pads are used to heat the seat. To switch on the heating, rotate wheel button **4** (left-hand seat) or **5** (right-hand seat) to one of the positions, either "1", "2" or "3", depending on the temperature required. To switch off the heating, rotate the wheel button to position "0".

Lumbar support adjustment control

The lumbar support adjustment allows the support offered by the seat back to be changed. Press the front of button **2** (left-hand seat) or **8** (right-hand seat) to increase lumbar support. Press the rear of the same buttons to decrease lumbar support.

Control for front passenger seat backward/forward movement

Press the front of button **9** to move the front passenger seat forwards, and the rear of the button to move it backwards.

Comfort Pack Controls

The right-hand controls are used to adjust the right-hand seat, while the right-hand controls adjust the left-hand seat.
1 – 7 Massage activation/deactivation
2 – 8 Lumbar support increase/ decrease.
3 – 6 Ventilation activation and adjustment.
4 – 5 Heating activation and adjustment.
9 Front passenger seat backward/ forward movement.

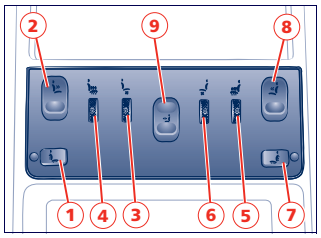
Winter Pack (optional)

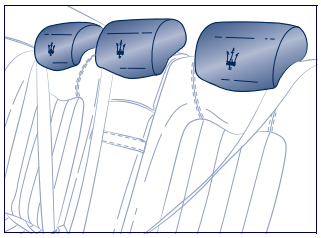
With this type of equipment, the heating system is installed in the rear seats only.

Headrests

The two side headrests can be both tilted and their height adjusted manually.
The central, fixed headrest can be power tilted by pressing the specific button to the left of the steering wheel (see page 82) and repositioned by lifting it manually.

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-bumper collision.





Rear-view mirrors

External rear-view mirrors

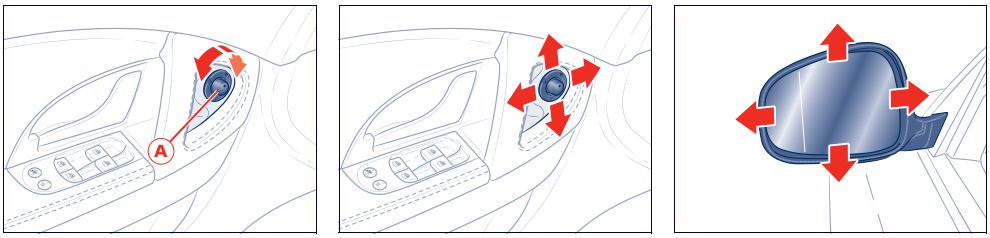
They can be adjusted electrically (with the ignition key in the **MAR** (**ON**) position) and they are equipped with anti-fog features.

– Mirror selection (right-hand or left-hand): move the selector **A** to the right or left, depending upon the mirror you wish to adjust.

– Mirror positioning: control **A** allows each mirror to be adjusted with four movements (up – down – right – left). Bring the selector back to the center to prevent mirror position being changed accidentally.

– Mirror retraction: By turning the selector switch **A** to the lower central position, both the mirrors fold inwards to help facilitate parking in narrow spaces. If the selector switch is set back in the upper central position, the mirrors return to the open position.

The mirrors are designed to fold in both directions in the event of a collision.



Rear-view mirrors

The external rear-view mirror position, both for the normal driving direction and for reversing, is automatically memorized together with each seat position. To memorize a new position of the external rear-view mirrors, turn the ignition key to the **MAR (ON)** position and adjust the position of the mirrors; then engage the reverse gear and reposition the external passenger side mirror to ensure the best possible visibility for maneuvering, then disengage the reverse gear.
Finally, press one of the buttons "1", "2" or "3" on the seat, each one corresponding to a memorized position, until a beep confirms the procedure is complete.
The new position of the external rear-view mirrors will be automatically memorized together with the seat position.

The side rear view mirrors feature different curvatures; the left-hand mirror is flat, while the right-hand one is convex.

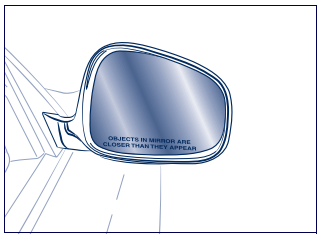
Pay particular attention as objects viewed in the right-hand mirror are closer than they appear.

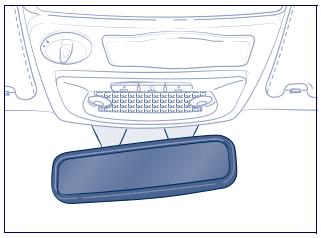
WARNING: Never retract or open the mirrors by hand to avoid damaging the powering mechanism.

The mirrors must always be in the open position when the vehicle is moving.

Electrochromic internal rear-view mirror

This can can be manually adjusted, and is fitted with an accident-prevention release system in the event of a collision.
The electrochromic rear view mirror automatically operates an anti-dazzle function by gradually shading as the light shining on the mirror increases. This function is automatically deactivated in reverse to ensure maximum visibility of obstacles.





Steering wheel

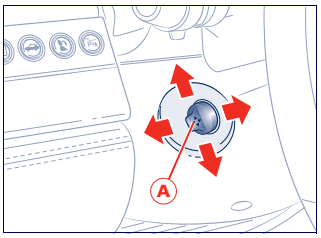
The steering wheel can be power adjusted, both in terms of height and depth.
It can only be adjusted if the ignition key is in position **MAR** (**ON**).
For adjustment, move control **A** in the four directions.
The steering wheel position is memorized, together with the position of the external rear view mirrors, when the driver's seat position is stored.

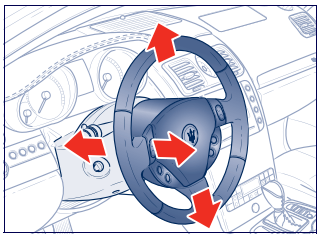
Do not adjust the steering wheel while the vehicle is moving.

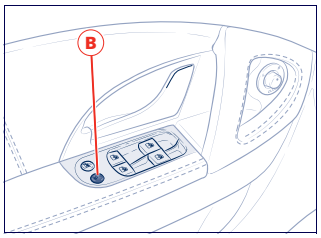
Under no circumstances remove the steering wheel; this procedure, if necessary, must be carried out by an Authorized Maserati Dealer.

Easy entry/exit system

The easy entry/exit system makes it easier for the driver to get in and out of the vehicle. Before the driver gets out, the seat moves back and the steering wheel rises.
The function is activated when the door is opened, only if the key has been extracted or is in position STOP.
On re-entry, the driver finds the seat and steering wheel still in these positions. After sitting down and closing the door, upon turning the key to position **MAR** (**ON**), both the seat and the steering wheel return to their normal driving positions.
This function can be disabled/enabled by pressing button **B**.







Steering wheel

External lights and direction indicators

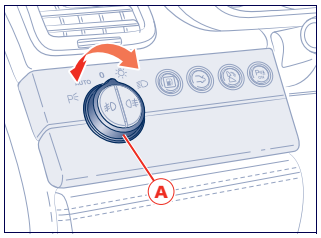
The exterior lights and direction indicators can only be operated with the ignition key at **MAR (ON)**, with the exception of the parking lights, which can be turned on at any time.
On CANADIAN version vehicles, in accordance with the current regulations, when the ignition key is at **MAR (ON)**, the DRL turn on automatically, even during the day, and cannot be turned off ("Day Time Running Lights" function).

Light switch

Switch **A** has 5 settings:
0 - DRL on (*)
- Position and license plate lights on
- Low beams on
- Parking lights

AUTO - Automatic activation and deactivation of the exterior lights according to the brightness outside.

(*) On the vehicles manufactured for the Japanese market, these lights are not operational; for all the other markets where by law they may not be turned on, they can be deactivated through the Bose® Infotainment system.



Parking lights

The parking lights operate when the ignition key is at **STOP** or **ACC**, or with the key removed.
They are activated by turning the light switch to position .
It is harder to turn the switch to position than to the other positions. This is to avoid activating the parking lights unintentionally and waste power.
When the parking lights are on, the warning light illuminates on the instrument panel.
When the parking lights are on, if you lower the left-hand lever, only the DRLs on the left-hand side are activated, while when if you move the lever up only the DRLs on the right-hand side are activated.

Automatic on and off

When the light switch **A** is turned to **AUTO** and the ignition key is in the MAR (ON) position, the position lights, side marker, low beam lights and license plate lights turn on and off according to the light outside.

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

If the high beams are activated, they will come on automatically every time the lights are switched on. We recommend therefore that you switch them off every time the twilight sensor deactivates the external lights.

In case of fog during the day, the position lights and low beams will not be turned on automatically. The driver must always be ready to turn the lights on manually, including the front and rear fog lights.

WARNING: After the external lights have switched on automatically, the front and rear fog lights can always be turned on manually. When the external lights are switched off automatically, the front and rear fog lights are also switched off (if active) and the next time the external lights are switched on automatically, only the front fog lights will come on. Therefore, the user will have to switch the rear fog lights on manually if these are required.

The responsibility for switching on the lights, depending on the daylight and the local regulations in force, 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.

Twilight sensor

The twilight sensor is composed of two sensors: a global sensor, which measures the brightness upwards, and a directional one, which measures the brightness in the vehicle's travelling direction, so as to recognize tunnels, etc.
If the sensor should fail, the system will turn on the low beams and the side lights, regardless of the brightness of light outside, and the failure message will appear on the instrument panel display.
The failure indication will be displayed so long as the switch **A** is turned to AUTO.
In this case, we recommend that you switch off the automatic operation for the external lights and switch them on manually if necessary; contact your local **Authorized Maserati Dealer** as soon as possible.

Direction indicators

The lever has 3 settings:
B - Direction indicators off
C - Lever up: right-hand indicators
D - Lever down: left-hand indicators.

Lane change function

This function allows you to activate either the right-hand or left-hand direction indicators so that they flash three times, without moving the lever to positions **C** or **D**, and then move it back to the neutral position, **B**.
To activate this function, you must simply start moving the lever to a different position: if you move it up you activate the right-hand direction indicators, if you move it down you activate the left-hand direction indicators.
This function is useful when overtaking or changing lanes.

High beams

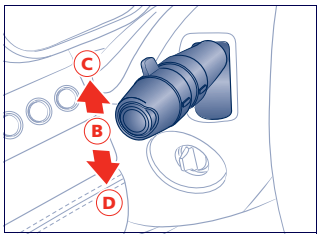
To switch on the high beams with the light switch in position 2, push the left hand lever towards the dashboard. Pull the lever towards the steering wheel again to switch off the high beams and switch on the low beams.

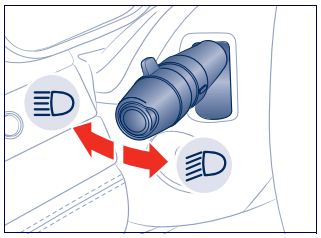
WARNING: For the use of the high beams, follow local legislation.

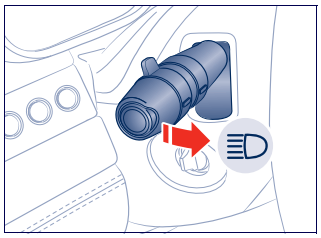
Flashing the headlights

The headlights can be flashed by pulling the left-hand lever towards the steering wheel.
Flashing occurs also with lights off if the ignition key is at **MAR** (**ON**).

WARNING: Flashing takes place with the high beams. Comply with local law in force to avoid penalties.







External lights and direction indicators

"Follow me home" function

This feature allows you to activate the timer for the position lights and for the low beams, so that they remain on, for a certain period, after turning off the vehicle.
This function is activated by pulling the turn signal lever, used to flash the headlights. The position lights and low beams light up for 30 seconds, the message "follow me" appears on the instrument panel display for 20 seconds, and the lights' activation time is displayed.

When the function is active, every time the flash control is operated, the time the lights remain on is increased by 30 seconds, with a maximum total time of 210 seconds. The display will show the value of the time set.
If the flash control is operated for over 2 seconds, the function is deactivated, and the indicator on the instrument panel's display switches off.
When the function is active, returning the key to the **MAR (ON)** position deactivates the system.

Windshield wiper/washer and headlight washers

The windshield wiper and washer work only with the ignition key in the **MAR (ON)** position.

Windshield wipers

The lever has 5-settings:

A - Windshield wiper stopped.
B - Automatic operation. In this position the rain sensor's sensing range can be adjusted.
C - Slow continuous operation.
D - Fast continuous operation.
E - Fast temporary operation.

Windshield washer

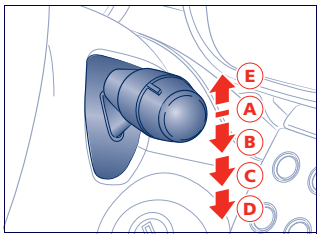
Pulling the lever towards the steering wheel activates the windshield washer and wiper.
When the windshield washer is activated, the windshield wiper starts automatically. Releasing the lever turns off the jet of fluid while the blades continue to wipe for a few seconds.

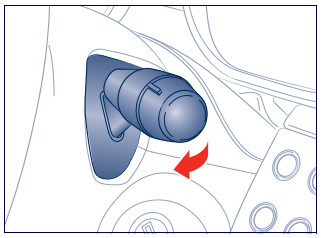
WARNING: Do not start the windshield washer during the cold months until the windshield has warmed up. If it has not warmed up, the liquid could freeze on the glass and block your view.

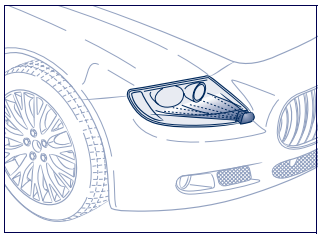
WARNING: If there is ice or snow on the windshield, do not activate the windshield wiper in order to prevent damaging the mechanism.

Headlight washers

The headlight washers are activated automatically when the windshield washer is started and the external lights are on.
The headlight washer and windshield washer share the same fluid reservoir, and a low fluid level is indicated by the same warning light on the instrument panel.
The headlight washers are deactivated if the vehicle's speed exceeds 75 mph (120 km/h).



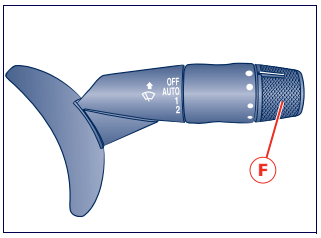




Windshield wiper/washer and headlight washers

Rain sensor

The function of the rain sensor is to adapt the frequency of the windshield wiper's strokes (in the intermittent operation mode) to the intensity of the rain.
All the other functions controlled by the right-hand lever (windshield wipers off, headlight and windshield washer in continuous slow and fast operation mode and in temporary fast operation mode) remain the same.
The rain sensor is activated automatically by bringing the right-hand lever to position **B**. The sensor's setting range varies progressively, from the windshield wiper's stationary position - when the windshield is dry - to the windshield wiper's second speed - in conditions of pouring rain.



To regulate the frequency of intermittent operation, with the lever on the **B** position, rotate the end section of the lever **F**.
Rotating the end section clockwise, intermittent operation varies from a maximum (fast intermittent wipe) to a minimum (slow intermittent wipe).
If the engine is turned off during automatic windshield wiper operation, with the lever in position **B**, to reactivate the function the next time the engine is started, the lever must be moved to **A** (stop position) then returned to position **B**.

Before cleaning the front windshield (for example in service stations) make sure the rain sensor is deactivated or that the key is turned to STOP. The rain sensor must be off also when washing the car by hand or in automatic car washes.

WARNING: In case of ice or snow on the front windshield, do not activate the rain sensor to avoid damaging the wiper motor.

Sensor failure

When the rain sensor is activated, in the event that it is malfunctioning, the windshield wiper is switched on in the intermittent operation mode and the sensing range is set by the user, regardless of whether or not there is rain on the windshield.
In this case, we recommend that you turn off the rain sensor and turn on the wiper, if necessary, in continuous mode. Contact your local **Authorized Maserati Dealer** as soon as possible.

Bose® Infotainment

This vehicle is equipped with Bose® Infotainment system, an advanced user interface which combines innovative and exclusive technical features to provide entertainment, navigation, communication and information functions within a single system. In addition, this vehicle is equipped with Bose® Surround Sound System, acoustically optimized for the Maserati Quattroporte.
For more information on the system functions and their use, please refer to the dedicated manual. These functions include enhanced radio reception with easier station tuning, automatic playback from almost every kind of audio disc, and the exclusive Bose uMusic® system that learns your musical preferences and automatically plays your favorite music. The system also features voice recognition for a number of key functions and can be customized to match your personal preferences.

The navigation system assists the driver with advice and suggestions for the best route to take for reaching the set destination through voice guidance and graphic information. The suggestions provided by the navigation system do not relieve the driver from full responsibility for maneuvers made through traffic while driving, or from compliance with laws and other provisions regarding road traffic. The driver is always responsible for safe driving.

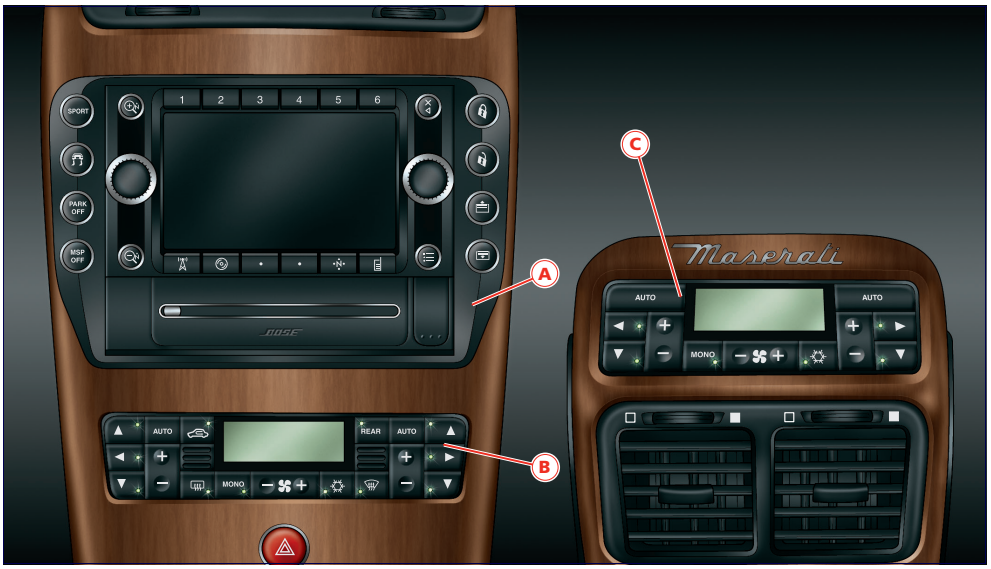
The system controls and main functions are listed below. The vehicle is equipped with an annex to the owner's manual, describing the Bose® Infotainment fully and listing all of the warnings and precautions for use, which are important for safe use of the system. We recommend that you read this annex carefully and thoroughly and that you keep it within reach at all times.

Controls

A - Bose® Infotainment

B - Front air conditioning and heating system controls

C - Rear air conditioning and heating system controls (optional)



Bose® Infotainment

Main panel controls

1) Zoom map +.

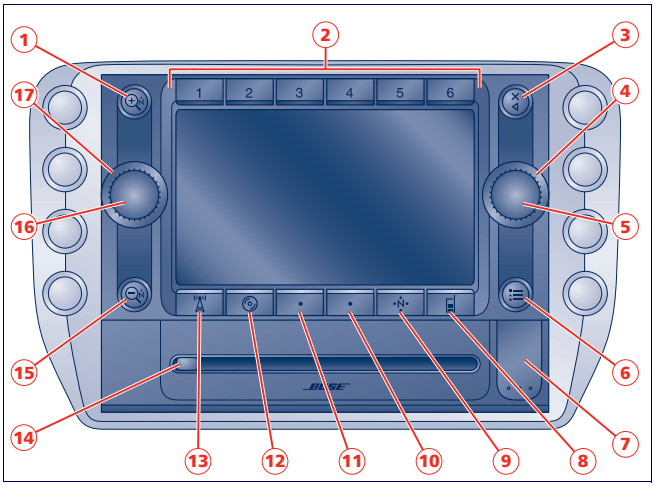
2) Button pressed briefly:
Presets.
Recall the stations stored (1-6).
Button pressed at length:
stores the current station (1-6).

3) Cancels the current action or goes back to the previous screen.

4) Outer tuning knob.
Rotation: selects the categories.

5) Inner tuning knob.
Rotation: highlights the items within a category.
Confirms the selection of a highlighted item

6) Provides access to the Options screen.



Bose® Infotainment

7) USB port.

8) Phone mode activation.

9) Navigation mode activation.

10) Variable function depending on the active mode, as indicated on the display above the button.

11) Variable function depending on the active mode, as indicated on the display above the button.

12) Digital Sources mode activation.

13) Broadcast Sources mode activation.

14) CD eject.

15) Zoom map -.

16) Button pressed briefly:
Inner volume knob.
Rotation: adjusts the volume.
Activates the system (ON) - with the system ON, it mutes or unmutes it.
Button pressed at length:
Deactivates the system (OFF).

17) Outer volume knob.
Rotation: Audio settings: Bose Sound, customized, only front speakers, only rear speakers.

Controls repeated on the steering wheel

18) Increases the sound system volume.

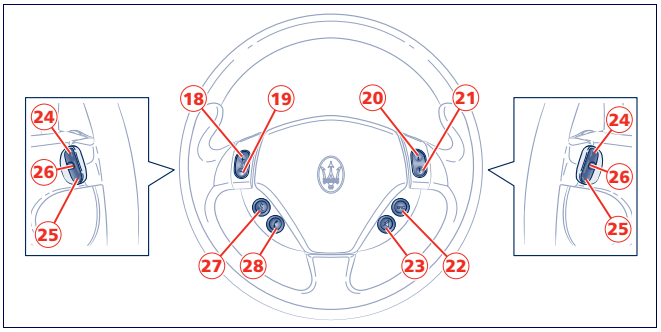
19) Decreases the sound system volume.

20) Button pressed briefly
Broadcast Sources Mode: searches for the first tunable station with a higher frequency;
CD, Music Library mode: next track selection.
Button pressed at length
CD audio mode: track fast forward.

21) Button pressed briefly
Broadcast Sources Mode: searches for the first tunable station with a lower frequency;
CD, Music Library mode: goes to the previous track if selected within the first 3 seconds of track playing, otherwise the track is played again from the beginning.
Button pressed at length
CD audio mode: track fast rewind.

22) Mode selection Broadcast, Digital sources.

23) Mute function on/off.



24) Broadcast Sources Mode: Radio frequency shift shifts the radio frequency to the next station in preset steps, starting from the station currently tuned in.
CD, MP3, Music Library mode: selects the next folder.

25) Broadcast Sources Mode: shifts the radio frequency to the previous station in preset steps, starting from the station currently tuned in.
CD, MP3, Music Library mode: selects the previous folder.

26) Confirms the function, item or value selected.

27) Button pressed briefly
Voice command function activation/deactivation.
Button pressed at length
Repeats the last voice guidance message given by the navigator.

28) Button pressed briefly
Phone mode activation.
Place call.
Accept incoming call.
End Phone call in progress.
Button pressed at length
Reject incoming Phone call.

Air conditioning and heating system

Air conditioning and heating system

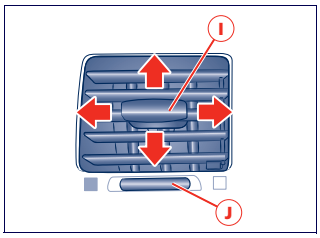
A - Front central and lateral vents
B - Upper dashboard vent
C - Lower dashboard vents
D - Upper lateral dashboard vents
E - Windshield vents
F - Rear central vents
G - Rear lateral vents
H - Vents beneath seats

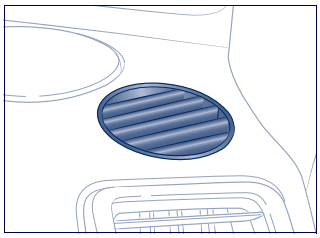
Adjustable vents with direction option

These can be positioned vertically and horizontally by means of control **I**. Using control **J,** the air flow distribution can be adjusted.
Vents **A**, **F** and **G** have the same features.

Fixed air distribution vent

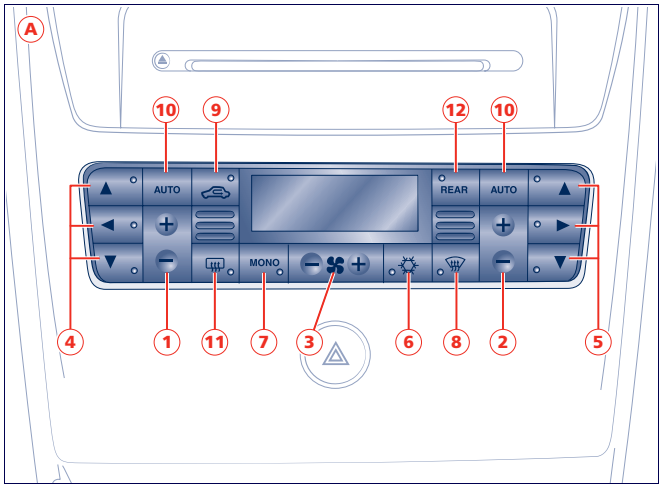
These cannot be adjusted in any way and are designed specifically for demisting/defrosting or cooling certain areas.
Vents **B**, **C**, **D**, **E** and **H** have the same features.





Front automatic heating/air conditioning controls (A)

1) left-hand temperature setting
2) right-hand temperature setting
3) fan speed adjustment control
4) 7-position air distribution on the left-hand side
5) 7-position air distribution on the right-hand side
6) air conditioner system's compressor activation/deactivation button
7) single/dual zone selection button
8) defrosting/demisting activation/ deactivation button
9) air recirculation activation/ deactivation button
10) automatic/manual system control button
11) heated rear window activation/ deactivation buttons
12) rear instrument panel activation/ deactivation button.



Air conditioning and heating system

Rear automatic heating/air conditioning controls (B) (optional)

13) automatic/manual system control button

14) left-hand temperature setting

15) automatic/manual system control button

16) right-hand temperature setting

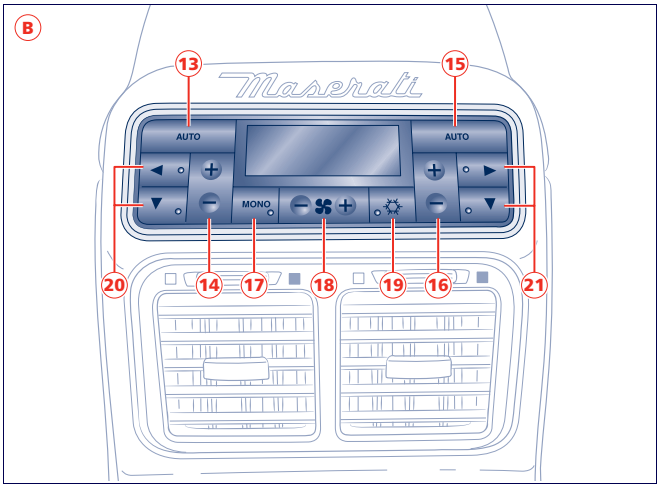
17) single/dual zone selection button

18) fan speed adjustment control

19) air conditioner system compressor activation/deactivation button

20) 3-position air distribution setting, on the left-hand side

21) 3-position air distribution setting, on the right-hand side



General

The vehicle is equipped with an automatic dual-zone air conditioner/ heater, which is designed to adjust the air temperature, distribution and flow in the vehicle's passenger compartment, in two separate zones: left-hand side and right-hand side.
In fact, the system can be controlled from the front by means of panel **A**, incorporated in the central console, and also from the rear, by means of panel **B**, housed in the end section of the console.
The rear instrument panel can be activated/ deactivated using the REAR button **12** on the front panel.
When the rear instrument panel **B** is active, the front panel **A** is disabled.
Both instrument panels allow the user to control the following parameters/ functions:

– left-hand/right-hand air temperature
– left-hand/right-hand air distribution
– fan speed (stepless change)
– compressor activation
– recirculation.

All the functions listed above can be modified manually, i.e., the user can select one or more of these functions, as he/she wishes, using the control panel.
The manual selections are always given priority over the automatic ones and are memorized until the user chooses the automatic control again.
When a function has been set manually, the other automatic functions will not be affected.
The following parameters/functions can be set/modified manually:

– left-hand/right-hand side air temperature
– fan speed
– air distribution setting on 7 positions (left/right)
– compressor activation
– single/dual-zone distribution priority
– defrosting/demisting function (MAX DEF)
– air recirculation function
– automatic/manual control of the system
– heated rear window
– system deactivation
– activation of rear control panel.

Activation

The system can be activated in a number of ways, however, begin by pressing one of the buttons **10, 13** or **15** AUTO and using the buttons **1, 2, 14** or **16** to set the temperature required.
This way, the system will operate in fully automatic mode so that the temperatures set will be reached as quickly as possible.
In this condition, manual interventions will activate the following functions:

– MONO button **7** or **17** adjusts the air temperature and distribution in the two heating/air conditioning areas.
– REAR button **12** activates the rear control panel
– button **6** or **19** switches off the compressor
– button **8** activates/deactivates the defrosting/demisting function on the front and side windows
– button **11** activates/deactivates the heated rear window.

By altering any other parameter manually, such as the air temperature or distribution, these features switch from the fully automatic control mode (FULL AUTO) to the manual mode (AUTO).

On starting the vehicle after stopping, the various parameters are controlled manually or automatically depending on the options selected by the user before turning the engine off. As a consequence, all the manual operations carried out before the vehicle stop are memorized and kept stored until the next start up.
This also applies for the OFF function; if it were in the OFF position before stopping, when next started the system should still be in the OFF position.

System deactivation

If the compressor is deactivated on both the front and rear panels, switching the air flow reduction control **3** below the first bar results in the fan switching off.
If the compressor is enabled on the front and rear control panels, the air flow reduction control **18** cannot request flow rates below the first bar (it will not switch off the fan).
When switched OFF, the heated rear window button **11** and recirculation button **9** are controlled normally without activating the heating/ air conditioning system.
Exiting the OFF status, the recirculation will forcibly return to the automatic mode.

Recirculation

This is activated when button **9** is pressed and allows only the air already in the passenger compartment to circulate.
The recirculation feature has various operation modes:

– Automatic (AQS) (LED on button switched on)
– Forced closed recirculation (LED on button switched on)
– Forced open recirculation (LED on button switched off).

Automatic

In the automatic operation mode, the recirculation is switched on when:

– the air quality sensor detects the presence in the air of pollutants that may enter the vehicle during traffic jams, when driving in built-up areas or when passing through tunnels.
– the compressor is activated, outside temperatures are over 37.4°F (3°C) or the speed is below 3.73 mph (6 km/h), to prevent air polluted by exhaust gas during stops from entering the passenger compartment. When the vehicle speed exceeds 7.46 mph (12 km/h), the system resets the previous automatic control conditions.

When the compressor is deactivated or outside temperatures are below 37.4°F (3°C), the automatic recirculation function is switched off automatically. After prolonged operation (over 15 minutes), the system switches off the recirculation function automatically for safety reasons, allowing the exchange of air once again.

Forced closed recirculation

In this type of operation, the amber LED switched on indicates the recirculation flap is closed.

Forced open recirculation

In this type of operation, the LED switched off indicates the outside air flap is open.

AUTO mode

When this button is pressed (one button per zone), the automatic system will take control of the following functions once again:

– air distribution (for the side concerned)
– fan speed
– compressor operation (with ECON LED lit up)
– air recirculation function.

Rear control panel

The rear passengers can also utilize the system using the controls on the rear control panel.
The rear panel is activated by pressing button **12** REAR, on the front control panel.

REAR function

Pressing the button **12** REAR (the relative LED will come on) will result in the following:

- the controls incorporated in the rear control panel will be enabled;
- the options set from both control panels will be repeated on the rear display.

This function is active both in the MONO and DUAL zone.
Pressing the button **12** REAR once again (LED on) will disable the controls on the rear panel (LED off).

System initialization

Every time the battery is reconnected, when the vehicle is started, a system initialization procedure is required. This is run by activating the compressor. Both displays automatically show the passenger compartment temperature set at 71.6°F (22°C).
The system is set up as follows:

- AUTO (automatic operation, the words FULL AUTO appear on the display).
- Compressor enabled (the LED on the button lights up).
- Defrosting/demisting (MAX DEF) deactivated (the LED on the button is switched off).
- Heated rear window deactivated (the LED on the button is switched off).
- Recirculation controlled by the automatic system (if active, 'AQS' will appear on the display).
- the air ventilation and distribution are set by the system.
- REAR deactivated (the LED on the button is switched off).

Bose® Surround Sound

The digital Hi-Fi system, developed in association with Bose®, includes exclusive accessories such as the innovative speakers with neodymium technology, also making use of other systems such as AudioPilot® and active electronic equalization.

AudioPilot® System

The AudioPilot® technology detects and measures the ambient noise, and consequently adjusts a number of acoustic signal parameters, continuously, to ensure the sound quality inside the passenger compartment is always at optimum levels.

Electronic equalization

The electronic equalization helps ensure absolute sound precision at any volume. The automatic output frequency balancing feature makes manual adjustments using switches or dials unnecessary.

Diversity system

This is composed of two aerials linked together, which are activated reciprocally to obtain the best signal reception.

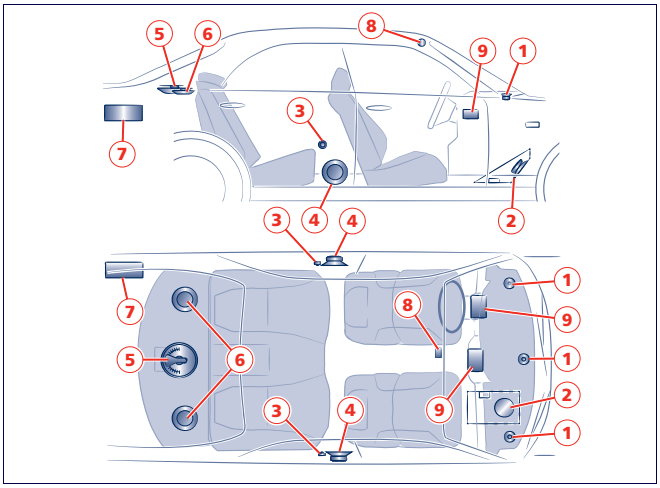
The sound system in the vehicle consists of:

1) three medium and high range speakers located on the upper part of the dashboard

2) a 5.12 in (13 cm) Neodymium (Nd®) Richbass woofer powered by an amplifier with dual-stage modulation, fitted into the footrest on the passenger's side

3) a tweeter on each of the rear door panels

4) a neodymium low and medium range speaker on each of the rear door panels



Bose® Surround Sound

5) one 9.84 in. (25 cm) Power Neodymium (Nd®) woofer mounted on the rear parcel shelf

6) Two 90 mm Nd (Neodymium) Twiddlers for high and medium frequencies, positioned on the sides of the rear luggage shelf

7) digital amplifier with AudioPilot® technology controlled by a microphone positioned to the right of the steering wheel and customized six-channel equalization

8) AudioPilot® sensor

9) audio CD player and single-CD drive for GPS navigation maps, in the center of the dashboard

– aerial incorporated into rear window

– aerial incorporated in the windshield

Using the vehicle

Starting the engine

Keep the brake pedal pressed when starting the engine.

WARNING: If you attempt to start the engine without depressing the brake pedal, a message on the display will warn you to push it.

It is dangerous to run the engine in a closed space. The engine consumes oxygen and discharges carbon dioxide, carbon monoxide and other toxic gases.

WARNING: Before start-up, switch off the electrical devices with a high power consumption (air-conditioning and heating system, heated rear window, headlights, etc.).

WARNING: Do not start the engine if the fuel level in the tank is low.

1) Ensure that the handbrake is engaged and that the doors are closed.

2) Keep the brake pedal pressed when starting the engine.

3) Do not press the accelerator pedal.

4) Check that the letter **P** (PARK) or **N** (NEUTRAL) is shown on the gear display and on the instrument panel.

5) Turn the ignition key to the **AVV** (**START**) position and release it as soon as the engine starts. Do not keep the key turned to the **AVV** (**START**) position for a long time. In the event of misfiring, turn the key back to the **STOP** position and wait until the gearshift display switches off and then repeat the entire procedure.

The engine can only be started when the gearshift lever is in **P** (PARK) or **N** (NEUTRAL).
When the engine has started up, release the key, which will automatically return to the **MAR** (**ON**) position.
In the event of misfiring, turn the key back to the **STOP** position and wait until the gearshift display switches off and then repeat the entire procedure.

Starting-off when the engine is cold

Start-off slowly, avoiding sudden accelerations and rev the engine at low-medium speeds. High-performance driving should be avoided until the water temperature reaches 149 °F - 158 °F (65–70 °C).

Emergency starting with an auxiliary battery

If the battery is flat, the engine can be started using another battery having the same or slightly higher capacity than the flat one.
Proceed as follows:

1) Connect the positive terminals (+) of the two batteries with a jumper cable.

2) Connect the negative terminals (-) of the two batteries with a jumper cable.

3) Start the engine.

4) When the engine starts, remove the cables in the reverse order to the above.

If the engine does not start after a number of attempts, do not continue, consult your local **Authorized Maserati Dealer.**

Do not carry out this procedure if you do not have experience; incorrect procedures can cause high electrical discharges and even cause the battery to explode.

Do not approach the battery with open flames or lit cigarettes and not to cause sparks: risk of explosion and fire.

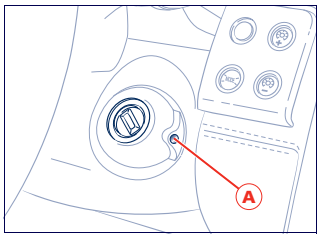
WARNING: Do not use a battery-charger for emergency starting under any circumstances. You could damage the electronic systems, particularly the control units managing the ignition and fuel supply functions.

Remember that if the engine is not started, the brake servo and power steering systems are not activated and therefore the effort required on the brake pedal and steering wheel is much greater.

Turning off the engine

With the engine idling, rotate the ignition key to the **STOP** position.
A burst on the accelerator pedal before turning off the engine has no purpose and increases fuel consumption.

WARNING: The ignition key can only be removed from the switch when the gearshift lever is in position **P**. In addition, it must be removed within 30 seconds after turning the key to **STOP**. If you do not remove the key within 30 seconds, you will need to turn it back to **MAR (ON)** and then to **STOP** to obtain a further 30 seconds within which to remove the key. In the event that the key unlocking system fails or if it is not possible to shift the gearshift lever to **P**, to remove the key you must turn it to **STOP**, then remove the cap **A**, using a pen or sufficiently pointed tool, then press the button just uncovered and at the same time extract the key. Once the key has been removed, refit the cap **A**.



Starting the engine

Electronic automatic gearbox

The electronically-controlled gearbox has six forward gear ratios and one reverse gear. The gears can also be engaged manually once you have shifted the gearshift lever to the sector provided.
The gearbox controls are the following:

A - Gearshift lever

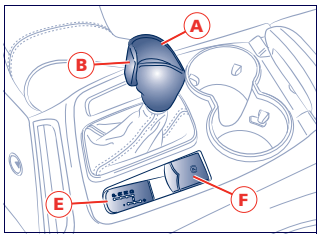
B - Button on the gearshift lever to engage reverse gear R and park P

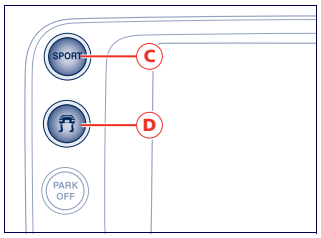
C - SPORT button

D - ICE (low grip) button

E - Gear display.

The SPORT and ICE modes can be selected both when the gearbox is set to automatic (AUTO) and to sequential manual (MANUAL) operation.





Electronic automatic gearbox

The gearbox operating mode is controlled by the lever **A**.
This lever can be positioned in the following sectors:
P – (PARK)
R – (REVERSE)
N – (NEUTRAL)
D – (DRIVE)
+ / - – (MANUAL)
The position of the gearshift lever **A** is shown on the gear display **E** by the illumination of the corresponding letter. This letter is also shown on the instrument panel display.

WARNING: In order to properly use the Automatic Gearbox, it is essential that you read through this whole chapter, so that you can learn what the correct and permitted operations are.
The gearbox is also equipped with Shift-Lock and Key-Lock safety systems.

Shift-Lock

This safety system allows you to shift from **P** (PARK) to another position only if the brake pedal is depressed. This prevents the vehicle from involuntarily jumping forward or backward.

Key-Lock

This function allows you to remove the key from the ignition switch only when the gearshift lever **A** is in position **P** and within a maximum time of 30 seconds; when this time has elapsed, the key can no longer be removed.

Starting the engine

The engine can only be started when the gearshift lever **A** is in position **P** or **N**.

Always start the engine holding the brake pedal depressed.

WARNING: Upon setting off, after starting the engine, do not depress the accelerator pedal before and while shifting the gearshift lever **A**.
This is particularly important when the engine is cold.

Driving the vehicle

After starting the engine, let the engine idle with the brake pedal depressed (Shift-Lock safety), then shift the gearshift lever **A** to **D**, or to the sequential manual operating position + or - .
Release the brake pedal and gradually depress the accelerator pedal.

WARNING: The gearshift lever can only be shifted from position P when the ignition key is in the **MAR (ON)** position and the button **B** and the brake pedal are depressed (Shift-Lock safety).

For safety reasons, the gearshift lever **A** can be shifted from **D** to **R** and **P** only when the button **B** is pressed. It is also advisable to depress the brake pedal during this maneuver.

WARNING: Do not run the engine at top RPM until it has reached its operating temperature.

WARNING: In case of performance starts, check that the electric parking brake is deactivated.

Do not keep the vehicle stationary for a long time with the brake pedal depressed, the gearshift lever in D and the engine running, as this may lead to malfunctions.

WARNING: For more comfortable starting (with the gearshift lever in **D**, **R** or Manual and the electric parking brake - EPB - engaged), push the brake pedal, manually deactivate the EPB system by pulling the lever **F** upward, and push the accelerator pedal.

Stopping the vehicle

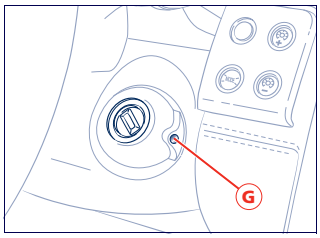
Regardless of the position of the gearshift lever **A**, simply depress the brake pedal to stop the vehicle.

Always depress the brake pedal when the gearshift lever is moved to the D, R or MANUAL positions with the engine idling. If the brake pedal is not depressed the vehicle may move forward.

When the gearshift lever is in position D, R or MANUAL, the engine idling and the vehicle on an even ground, if the brake pedal is not depressed, the vehicle tends to move.

The ignition key can be removed from the switch only when the gearshift lever **A** is in position **P** and within 30 seconds from turning the key to **STOP**.
The letter **P** (Key-Lock safety) is displayed on the instrumental panel for the full 30 seconds.
If you do not remove the key within 30 seconds, you will need to turn it back to **MAR (ON)** and then to **STOP** to obtain a further 30 seconds within which to remove the key.

WARNING: In the event that the key unlocking system fails or if it is not possible to shift the gearshift lever to **P**, to remove the key you must turn it to STOP, then remove the cap **G**, using a pen or sufficiently pointed tool, then press the button just uncovered and at the same time extract the key. Once the key has been removed, refit the cap **G**.



Electronic automatic gearbox

If you turn off the engine with the gearshift lever **A** in a position different from **P**, an acoustic signal will sound for a few seconds and a message will be displayed indicating to shift the lever to **P**.

When the driver's door is opened with the gearshift lever **A** in a position different from **P**, an acoustic signal will sound for a few seconds and a message warning the driver that the gearshift lever is not in **P** will be displayed.

Gearshifting is always active and may be performed even when one or more doors, the engine compartment lid or the luggage compartment lid are open. Therefore, in these conditions, take great care to avoid moving the gearshift lever and so accidentally engage gears.

Selecting automatic or sequential manual operating mode

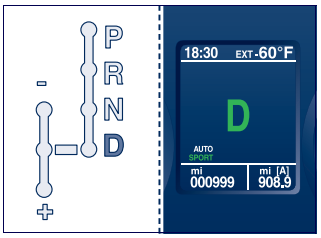
The gearbox can be used both in fully automatic (position **D**) and in sequential manual (positions + or -) mode.
To select the desired mode, shift the gearshift lever **A** to:
D – automatic gearshifting (AUTO)
MANUAL (+ / -) – sequential manual gearshifting.
The lever can always be shifted from one position to the other, even when the vehicle is moving.
You can actually continually shift between **D** and **MANUAL**.
If automatic gearshift mode is selected, the word **AUTO** and the letter **D** will be shown on the instrument panel display, while for sequential manual gearshifting, the word **MANUAL** and the gear engaged will be shown.

Automatic operation (AUTO)

To set automatic operation, shift the gearshift lever **A** to one of the following positions:
P – Park
R – Reverse gear
N – Neutral
D – Drive, automatic forward gear (6 ratios)

The position of the gearshift lever is shown on the gear display **E** by the illumination of the corresponding letter. This letter is also displayed on the instrument panel.

The gearshift lever **A** can freely be shifted from **D** to **N**. The button **B** must also be pressed to engage and disengage **R**.
Position **P** is engaged by pressing the button **B** and then moving the



gearshift lever; it is disengaged by pressing the button and the brake pedal at the same time. It is advisable to also hold the brake pedal depressed when moving the gearshift lever to the other positions.

P – Park

When parking the vehicle, shift the lever to **P**. A gearbox device will lock the driving wheels.

WARNING: Shift the lever to position **P** only when the vehicle is stationary. Therefore, it is advisable to perform this maneuver with the brake pedal depressed.

WARNING: To prevent accidental engagement, the gearshift lever can only be shifted from **P** to any other position when the button **B** and the brake pedal are depressed.

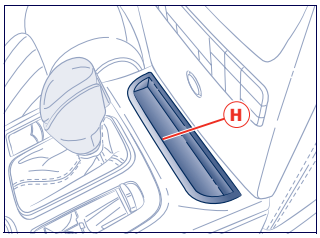
WARNING: Before getting out of the vehicle, check that the automatic parking brake is engaged. Shift the gearshift lever to **P** even when you need to get out of the vehicle for only a few seconds leaving the engine running.

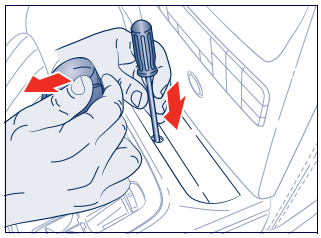
If you turn off the engine with the gearshift lever **A** in a position different from **P**, an acoustic signal will sound for a few seconds and a message will be displayed indicating to shift the lever to **P**.

When the driver's door is opened with the gearshift lever **A** in a position different from **P**, an acoustic signal will sound for a few seconds and a message warning the driver that the gearshift lever is not in **P** will be displayed.

WARNING: In the event of a battery failure, manually release the driving wheel locking device before you drive.

In the event of a battery failure, shift the gearshift lever from **P** to another position before moving the vehicle. To do this, follow the emergency procedure described below:





Electronic automatic gearbox

– Remove the pocket-change tray **H**.
– Using the screwdriver provided in the toolkit, push on the gearshift lever locking mechanism through the hole.
– At the same time, slightly move the gearshift lever towards **N** in order to release the lever locking mechanism.
– Take the screwdriver out of the hole, taking care not to move the gearshift lever.
– Move the gearshift lever fully back to **N**.
– Cap the hole using the tray **H** to prevent foreign bodies from falling into the gearbox and damaging it.

The gearshift lever is now released.

While moving the gearshift lever, remember to press the button **B** on the lever.

WARNING: Work extremely carefully so as not to damage the trim panels.

If the automatic parking brake engagement system is active, the EPB is automatically applied when the vehicle is stopped, (see page 179).

WARNING: In the event of a battery failure, manually disengage the parking brake (EPB) before you drive (see page 179).

R – Reverse gear

With the vehicle stationary, the engine idling and the button **B** pressed, shift the gearshift lever **A** to position **R**. It is advisable to also depress the brake pedal when shifting to this position.
When the lever is in position **R**, the system emits an acoustic signal for a few seconds.
You can also shift the gearshift lever to **R** when the vehicle is not completely stationary, however, this does not mean that reverse gear is actually engaged, since there is a limit speed above which the gear is not engaged. When the speed drops to below this limit, reverse gear is engaged.

WARNING: To prevent accidental engagement, the gearshift lever can only be moved from **R** to any other position when the button **B** is pressed. It is advisable to also depress the brake pedal when shifting to this position.

N – Neutral

With the vehicle stationary and the brake pedal depressed, move the gearshift lever **A** to **N**.
This function should be used when you need to tow or push the vehicle.

D – Automatic forward gear

Select this position when you wish to use of all the automatic gearshift functions.
With the vehicle stationary and the brake pedal depressed, move the gearshift lever **A** to **D**; if the gearshift lever is position in **P** or **R**, also press the button **B**.
When the function is set, the letter **D** illuminates on the gear display and on the instrument panel.
When this function is active, the ECU controls automatic engagement of the six gears. The gears will be engaged in relation to the traveling speed, engine RPM, accelerator position, speed with which the pedal is depressed as well as the traveling conditions (e.g., uphill, downhill, on curves).
The system has been programmed to classify all driving styles, in relation to the above mentioned parameters, and to associate them with the various vehicle settings, which go from extremely comfortable and economic driving to full sports-style driving. The setting is selected automatically.

+ / - – Sequential manual operation (MANUAL)

This allows you to manually engage gears while driving.
When the automatic gearshift mode is selected (position **D**), shift the gearshift lever **A** to + or -.
When this mode is selected, the symbol + or – illuminates on the gear display **E**, based on the position of the gearshift lever, and the gear engaged is shown on the instrument panel display.

When sequential manual operation is selected, upshifting or downshifting must be performed manually.

To engage the gears, shift the gearshift lever **A** to one of the following two positions:
+ UP to engage a higher gear
- DOWN to engage a lower gear.

WARNING: However, some conditions will remain automatically controlled, for example, when the engine is overrevving or underrevving, the system automatically engages a higher or lower gear.

WARNING: If you request a gearshift in conditions where the engine is overrevving or underrevving, the system will not accept the command.

WARNING: The electronic control unit is programmed to handle one gearshift at a time, therefore, fast and repeated requests will not necessarily result in a gearshift.
The higher or lower gear is engaged only if the previous gearshift procedure has been completed.

When the system refuses to engage a gear, an acoustic signal is sounded for a few seconds.

Sequential manual gearshift mode can only be selected from position **D**, whatever the driving mode (SPORT, NORMAL) active upon requesting a gearshift.
The gear selected by the automatic gearbox will remain engaged when the lever **A** is moved.
Shifting the lever back to **D**, automatic operation will instantly be resumed, and a gear will be engaged based on the driving style and mode selected.

In the event of a failure of the sequential manual gearshift system, the gearbox ECU will select automatic operation.

Other system functions

The settings automatically selected by the system operate in three modes:
– NORMAL
– SPORT
– ICE (low grip).

Activate the desired mode by pressing the relative button.
The active mode is shown on the instrument panel display.

For each mode there are various vehicle settings, that are automatically set by the system in relation to the traveling speed, engine RPM, accelerator position, speed with which the pedal is depressed as well as the traveling conditions (e.g., uphill, downhill, on curves).

NORMAL

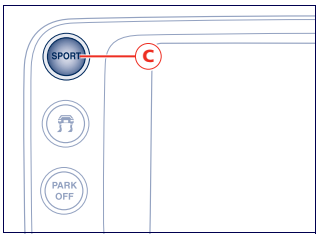
NORMAL mode is the default setting when the engine is started.
This mode is intended specifically for comfortable and fuel-economy driving (low longitudinal and lateral acceleration); the gears are shifted with minimum vibration in lowest noise (gearshifting at low engine RPM).

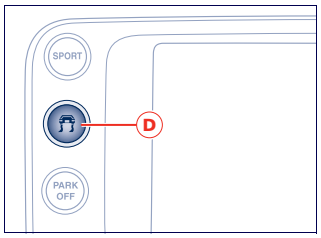
SPORT

SPORT mode is activated by pressing the button **C**; the word **SPORT** illuminate on the instrument panel display.
To return from SPORT mode to NORMAL mode, press the button again.
As "SPORT" mode has a lower priority than "low-grip" mode, if this is already active when activating "SPORT" mode, the system will ignore the command.

ICE (Low grip)

This mode can be used on particularly slippery road surfaces (e.g., rain, snow, ice). To activate/deactivate this mode, press button **D**. The word ICE will illuminate on the instrument panel display.
In "Low-grip" mode the system uses 2nd instead of 1st gear. This means that when you start from a stationary position with the engine running and you have selected automatic operation (gearshift lever in **D**), 2nd gear will be engaged; if you have selected sequential manual operation (gearshift lever in **MANUAL**) and you shift the gearshift lever **A** from **N** to **R** or, when the vehicle stops, 2nd gear will automatically be engaged.





Electronic automatic gearbox

When sequential manual mode is selected with 2nd gear engaged, a downshift request will be ignored. While driving, the system automatically switches to the upper gear if the engine reaches the pre-established speed rate (3,000 RPM). "Low-grip" mode has priority over SPORT mode and assists the MSP system.

A downshift request from 6th to 5th gear will only be accepted if the engine speed rate in 5th gear is lower than 3,000 RPM. As "low-grip" mode can be activated at any time and the system limits the engine's speed to 3,000 RPM in all gears except for the 6th, unrequested gearshifts could take place.

In any case, it is advisable to deactivate "SPORT" mode before selecting "low-grip" mode.
When sequential manual operation is active, regardless of the mode set (NORMAL, SPORT, ICE), the gearbox automatically upshifts or downshifts when reaching the minimum and maximum engine RPM, respectively. This is to prevent engine overrevving or underrevving.

Strategies during downhill driving

When the accelerator pedal is released, the gearbox system detects that the vehicle is moving downhill and deactivates upshifting. When the accelerator pedal is depressed, upshifting is reactivated but will be delayed by a few seconds.
When the brake pedal is depressed, the gearbox system downshifts to provide enhanced engine braking power.
In other words, when driving downhill, the gearbox system operates so as to avoid upshifting and shifting gears when the accelerator pedal is released, and delays gear engagement by a few second when the accelerator pedal is depressed. In addition, when the brakes are applied, it engages the lowest gear in order to provide enhanced engine braking power.
This strategy is aimed at making downhill driving safer.

Strategies in curves

The system detects when the vehicle goes into a curve through the lateral acceleration and the steering angle. Detecting this condition, it controls gearshifting using a specific mode. This mode is exited when the vehicle comes out of the curve, at a distance that varies depending on the vehicle speed.

Fast-off strategy

When the accelerator pedal is fully released, the system deactivates upshifting.
When the accelerator pedal is next depressed, upshifting is reactivated only after a few seconds.
Upshifting is also deactivated when the accelerator pedal is partially released; the system waits the time necessary to evaluate if the release action is completed.

Hot-mode strategy

In the event that the engine oil or coolant temperature is too high or both, the gearbox system reduces the maximum engine speed to 4000 RPM. Therefore, upshifting will occur at this limit.
This strategy does not manage downhill driving, so as to always have the efficiency of engine braking together with the standard braking system.

MSP system operations

In order to prevent unstable driving conditions, the MSP system may request the gearbox system to deactivate gearshifting. The system handles this request depending on the gear engaged and on the RPM, and decides whether to accept it or not.

Cruise Control

With cruise control the gearbox system selects such settings as to provide enhanced comfort and fuel-economy.

Malfunction indication

The malfunctions indicated may be due to two causes:

– Gearbox failure

– Gearbox oil temperature too high

In both cases, the warning light illuminates.

Gearbox failure

A gearbox failure is indicated on the display by the message "Check transmission go to dealer". While driving, the ECU that controls the device sets an emergency program.

WARNING: In these conditions, we recommended that you stop the vehicle and turn off the engine for at least one minute. When restarting the engine, the autodiagnostic system may cancel the malfunction, which will in any case be recorded by the ECU.

In failure conditions, the gearshift lever **A** can still be shifted to positions **R**, **N** and **D**.

When shifting to **D**, only a few gears will be available for shifting, depending on the malfunction found.

WARNING: If a gearbox failure is signaled, take your vehicle to the nearest **Authorized Maserati Dealer** as soon as possible to have the problem corrected.

If the failure is signaled when the engine is started, it means that the gearbox ECU detected a fault when the vehicle was last used. Also in this case, take your vehicle to the nearest **Authorized Maserati Dealer** to have the gearbox checked.

When the gearbox is malfunctioning, drive very carefully considering that vehicle performance is reduced. In addition, the reverse gear safety lock may not be active: absolutely do not shift the lever to R when the vehicle is moving.

Gearbox oil temperature too high

This message is displayed when the gearbox oil has reached the maximum temperature. In this case, the gearbox ECU sets an emergency program.

WARNING: We recommend that you always stop the vehicle, shift the lever to position **P** or **N** and keep the engine idle until the temperature warning light goes off and the message disappears from the display. Resume driving without demanding high engine performance.
If the warning light illuminates again and the message is displayed again, stop the vehicle again and run the engine at idle speed until the light goes off and the message disappears.
If the interval between the two warnings is less than 15 minutes, it is advisable to stop the vehicle, turn off the engine and wait for the engine/gearbox assembly to fully cool down.

Push start

The engine cannot be push-started. If the battery is flat, start the engine using an appropriate emergency battery following the instructions given in Section 6 “In an emergency”.

Towing the vehicle

If you need to tow the vehicle, observe the following recommendations:

– if possible, have the vehicle transported on a vehicle specific for roadside assistance and recovery

If this is not possible:

– Tow the vehicle by raising the driving wheels (rear)

If also this solution is not practicable:

– - tow the vehicle for a distance of less than 60 mi (100 km) at a speed below 35 mph (60 km/h).

Tow the vehicle using the towing hook found in the toolkit. Screw the towing hook down tightly in its seat, on the lower, right-hand side of the front bumper.
In order to tow the vehicle, turn the key to **MAR** and engage neutral by shifting the gearshift lever **A** to **N**.
If the electronic parking brake (**EPB**) is applied, you must release it, see on page 179.

Do not extract the key, as the steering wheel will lock automatically and you will be unable to steer the wheels.

WARNING: If you have to tow the vehicle with 2 wheels raised, ensure that the ignition key is in the STOP position. Otherwise, with MSP activated, the relative ECU stores a malfunction and consequently the warning light ⚠ on both the instrument panel and the display illuminates. To reset the system you will have to contact your **Authorized Maserati Dealer**.

When towing the vehicle, make sure that you observe the road traffic regulations concerning both the towing device and driving conduct.

When towing the vehicle with the engine off, remember that, without the assistance of the brake servo, a stronger effort is required on the brake pedal for braking and on the steering wheel for steering.

Screw down the towing hook into its seat (approx. 11 turns). Accurately clean the threaded seat before tightening the hook.

Gearshift levers on the steering wheel (optional)

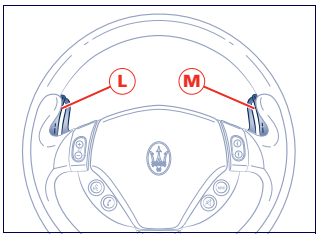
In sequential manual operating conditions, upshifting and downshifting can be controlled not only with the gearshift lever A but also with the two levers positioned behind the steering wheel.

L - Lower gear engagement lever - DOWN;

M- Upper gear engagement lever + UP.

Also in automatic operating mode, when the gearshift lever **A** is in position **D** (DRIVE), you can shift to a different gear by moving one of the levers. This action will temporarily switch the system to sequential manual operation.

If you then keep to a constant driving style (low longitudinal and lateral acceleration), the gearbox automatically switches back to automatic operation.



Electronic automatic gearbox

Fuel economy

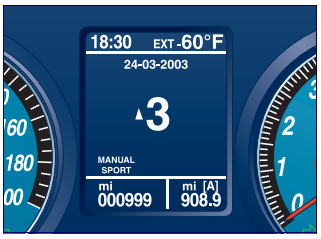
In order to improve fuel economy, we recommend that you shift gears when the system prompts you to do so.

This will help you to reduce fuel consumption without strongly affecting vehicle performance. Recommended gearshifts do not involve downshifting.

The system will indicate when you should shift gears by displaying a small arrow next to the gear displayed.

This arrow illuminates just before reaching the speed required for gearshifting.
When the recommended gear has been selected, the indicator goes off. If the recommended gearshift is delayed or not performed, the indicator will remain illuminated for a few seconds and will then go off. As soon as the conditions requiring gearshifting are met, the indicator illuminates again, as described above.

The recommended gearshift indicator will only work when the gearbox is set to manual sequential operation.



Using the brakes

WARNING: To obtain a good running in of the brake pads and discs, avoid sudden braking during the first 190 mi. (300 km).

The ABS is a component of the braking system that offers two basic advantages:

– It is designed to help avoid locking of the wheels and thus skidding during emergency braking and especially under low grip conditions.
– It makes it possible to brake and steer at the same time in order to avoid unexpected obstacles or to direct the vehicle where desired when braking: this is done in keeping with the physical limits of the tire's lateral grip.

In order to fully utilize the ABS:

– You will perceive a light "pulsation" of the brake pedal during emergency braking or braking under low grip conditions: this indicates that the ABS is operating. Do not release the pedal but continue to press it to give continuity to the braking action.
– The ABS is designed to help prevent the wheels from locking, but it does not increase the physical grip limits between the tires and the road nor does it decrease the amount of braking distance required to stop the vehicle. Therefore, even if your vehicle is fitted with ABS, always ensure to keep to a safe distance from the vehicle in front of yours and reduce your speed when entering a curve.

The pad wear limit is indicated by the illumination of the warning light BRAKE WEAR, on the instrument panel.
In this event, please contact an **Authorized Maserati Dealer**.

Use of the engine

Breaking-in

Today's most modern methods of production afford high precision in the construction and coupling of components. However, the moving parts do undergo a settling process, in the first hours of the vehicle operation.

Engine and transmission

Avoid exceeding 5000 r.p.m. for the first 620 mi. (1000 km).
After starting the vehicle, do not exceed 4000 r.p.m. until the engine has warmed up sufficiently (water temperature: 149-158 °F (65-70 °C).
Do not drive keeping the engine at a constant high speed rate for a prolonged time.

While driving

Never travel with the tachometer indicator approaching the peak r.p.m. - not even downhill.

WARNING: Under normal conditions, all the red light warning indicators on the instrument panel multi-function display should be off. When they illuminate, they indicate a malfunction in the relative system. The only exception is the engine oil level warning light, see page 246.

Help ensure proper operation of the various devices by checking the respective control instruments.

WARNING: Continuing to drive when a red warning light illuminates could cause serious damage to the vehicle and affect its performance.

**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 inefficient.
Also the servo-steering will be inefficient.**

Engine control system (OBDII)

This system is designed to continuously monitors the vehicle components connected with emissions; it also indicates, when the warning light illuminates on the instrument panel, that the components in question are in poor condition.
The purpose is to:

– keep the system efficiency under control
– indicate when a problem causes an increase in emissions exceeding the threshold established by regulations in force
– indicate the need for replacement of deteriorated components.

In addition, the system includes a diagnostics connector that can be interfaced with special instruments. This makes it possible to read the error codes stored in the control unit, together with a set of specific parameters for the engine operation diagnostics cycle, on compliance with **OBDII** rules.

WARNING: Once the engine is started, the warning light will remain on for approximately 18 seconds before turning off. This is a normal condition and part of the operating strategy.

WARNING: When the ignition key is turned to the **MAR** (**ON**) position, if the warning light does not turn on or if it turns on while driving, contact your local **Authorized Maserati Dealer** as soon as possible.

WARNING: After the problem has been eliminated, your local **Authorized Maserati Dealer** personnel is required to perform tests on the test bench for a complete check of the system and if necessary, also road tests which may even involve long distances.

Cruise Control

General

The electronic speed regulator (cruise control) enables the driver to maintain the desired vehicle speed without pressing the accelerator pedal. This helps reduce driving fatigue on highways, especially on long trips, as the set speed is automatically maintained.

WARNING: The device can only be switched on at speeds exceeding 19 mph (30 km/h) and it switches off automatically when the brake pedal is pressed.

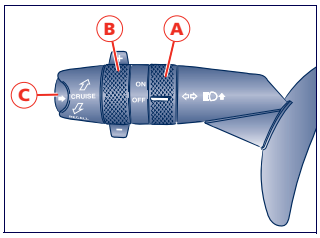
The Cruise Control function must only be activated when traffic and the route permit a constant speed to be maintained safely for a sufficiently long distance.

Controls

Cruise Control is activated by means of switch **A**, rotating section **B** and button **C** (**RCL**).
Switch **A** has two settings:

- **OFF:** in this position the device is deactivated;
- **ON:** this is the normal position for the device operation. When the device is activated, the green warning light on the display turns on together with the message "Cruise Control on".

The rotating section **B** is used to store the vehicle speed and to keep it constant, or to increase or decrease the speed stored.



Turn the rotating section **B** to position (**+**) to save the speed reached or to increase the speed stored.
Turn the rotating section **B** to position (–) to decrease the speed stored.
Every time dial **B** is reset, the speed is increased or decrease by approx. 1 mph. When the rotating section is kept turned, the speed varies continuously. When a new speed is reached, it will automatically remain constant.
Pushbutton **C** (**RCL**) is used to recall the speed stored.

WARNING: When the ignition key is turned to **STOP** or switch **A** is in the **OFF** position, the speed saved is erased and the system switches off.

Storing a speed

Turn switch **A** to the **ON** position and reach the desired speed driving normally. Keep the rotating section **B** turned to (**+**) for at least three seconds and then release it. The vehicle speed will be saved and the accelerator pedal can then be released.
The vehicle will proceed at the constant speed stored in the memory until the brake pedal is pressed.
If necessary, (for example, when overtaking), you can accelerate by simply pressing the accelerator pedal. Afterwards, when you release the accelerator pedal, the vehicle will return to the speed saved previously.

Recalling the speed stored in the memory

If the device has been switched off after braking, the speed saved previously can be recalled as follows:

– accelerate gradually until you reach a speed close to the one stored in the memory;
– engage the gear selected when the speed was saved in the memory (4th, 5th or 6th gear);
– press button **C** (**RCL**).

Increasing the speed stored in the memory

The speed stored in the memory can be increased in two ways:

– by pressing the accelerator and then saving the new speed reached (keep the rotating section **B** turned for more than three seconds);

or

– by turning the rotating section **B** temporarily to position (**+**): each impulse transmitted by the rotating section will cause a slight increase in speed (about 0.6 mph - 1 km/h), whereas a constant pressure on the same rotating section will cause a continuous increase in speed. When the rotating section **B** is released, the new speed will be automatically stored in the memory.

Reducing the speed stored in the memory

The speed stored in the memory can be reduced in two ways:

– by switching off the device, pressing the brake pedal and then saving the new speed in the memory (turning the rotating section **B** to position (+) for at least three seconds);

or

– by keeping the rotating section **B** turned to position (-) until the new speed is reached, which will be stored automatically.

Resetting the speed stored in the memory

The speed stored in the memory is automatically reset to zero:

– by switching the engine off;

or

– by moving switch **A** to the **OFF** position.

When driving with the Cruise Control activated, do not shift to neutral. It is advisable to switch on the Cruise Control only when traffic and road conditions permit safe use of this device, that is: on straight and dry roads, expressways or highways, smooth-flowing traffic and smooth asphalt. Do not switch this device on in the city or in heavy traffic.

The Cruise Control can only be switched on at speeds exceeding 19 mph (30 km/h).

The device can only be switched on in 4th, 5th or 6th gear, depending upon the car speed.

When driving downhill with the device switched on, the car may pick up speed slightly, exceeding the speed stored in the memory due to the change in the engine load.

In the case of faulty operation or failure of the device, move switch A to the OFF position and contact your local Authorized Maserati Dealer.

Switch A can be left on the ON position at all times without damaging the device. In any case, it is advisable to deactivate the device when it is not in use. Move switch A to the OFF position to prevent speeds from being unintentionally saved in the memory.

Skyhook suspension

The electronic system controlling the vehicle suspension uses the sophisticated on board sensors and is aimed at optimizing vehicle performance.
The system is capable of constantly monitoring suspension damping through the actuator fitted on each shock absorber. This way, the shock absorber setting is suited to the road conditions and vehicle dynamics, thus improving passenger comfort and road-holding.
By pressing button **A** the driver can choose, even while driving, a normal or racing-type setting for the suspension, depending on his/her own driving style. This way, the system operates with a shock absorber "softer" setting in Normal mode, and a "harder" setting if the SPORT mode is selected.

The system is controlled by an ECU which is designed to manage the solenoid valves on each shock absorber in response to the sensor signals, adjusting the suspension damping and setting.
The sensors that enable the ECU to calculate the vehicle speed, vertical and lateral acceleration, as well as the instantaneous brake circuit pressure, and consequently to control the suspension damping, are the following:

– lateral acceleration sensor
– front LH vertical acceleration sensor
– front RH vertical acceleration sensor
– rear vertical acceleration sensor
– front LH wheel acceleration sensor
– front RH wheel acceleration sensor
– vehicle speed sensor
– brake pedal switch.

The strategy used by the system controlling the suspension damping is designed to reduce the vertical oscillations of the vehicle (rolling and pitching) to a minimum.
The activation of SPORT mode sets the suspension for sports-style driving and acts on the ASR and Automatic Gearbox systems (if present) as well, modifying their setting for racing-style driving.

Self-diagnosis

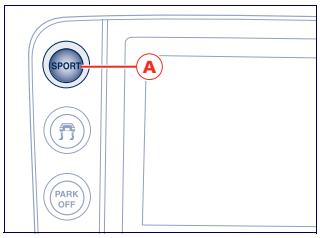
Each time the engine is started, the system runs a self-diagnostics cycle, which is indicated by the illumination of the warning light on the display.

Settings

The driver can select, in relation to road, speed, driving style and comfort, one of the two setting levels provided by the system: normal or racing-style.
Normal setting, active when the **SPORT** mode is deactivated, favors comfort and higher driving stability with low and average grip conditions.
Racing-style setting, active when the **SPORT** function is enabled, favors wheel drive and permits a racing-style driving with the best road holding.
Whenever the vehicle is started, the system will provide the last setting selected.
The racing-style setting can be switched on only with the ignition key in the **MAR (ON)** position and it is enabled by pressing button **A**, even while driving. When the **SPORT** mode is activated, the **SPORT** indicator on the multi-function display and the button LED light up.

WARNING: The **SPORT** setting is not advisable when roads are not in excellent condition or are slippery.

Press button **A** again, even while driving, to reset the normal setting: when the normal setting is activated the **SPORT** warning light on the multi-function display and the button LED go off.



The electronic suspension control system works jointly with the **MSP** system (electronic anti-skid device): when the suspensions are set to normal, stability is increased under medium and low grip conditions, while when the **SPORT** mode is enabled, the **MSP** system optimizes racing-style driving.

WARNING: In low- and medium-grip conditions (e.g., rain, snow, ice, sand, etc.) it is advisable not to activate **SPORT** mode, even with the **MSP** enabled.

Fault signals

If one or more electric components in the system prove to be faulty while driving, the electronic control unit is designed to turn on the relative warning light , accompanied by the message "Check suspension" on the display. Moreover, the control unit regulates the shock absorbers to a preset calibration.
Should the fault involve one shock absorber only, it is no longer controlled by the electronic control unit and remains in the position it had when the fault occurred. It is therefore possible that one of the four shock absorbers has a fixed calibration, differing from that of the other ones.

WARNING: In the event of a malfunction in the electronic system controlling the suspension, which is indicated by the warning light on the display illuminating while driving, you should keep a moderate speed and have the vehicle checked as soon as possible by your local **Authorized Maserati Dealer**.

If a malfunction occurs while driving, signalled by the warning light on the display illuminating, it is advisable to stop the vehicle as soon as possible and turn the ignition key to the **STOP** position and then re-start the engine. If the malfunction is no longer present and the warning light on the display does not illuminate again, the electronic suspension system will resume normal operation.

On the other hand, if the problem persists, the warning light on the multi-function display will illuminate again.
In both cases, the system must be checked by your local **Authorized Maserati Dealer**.
The detected fault is memorized by the electronic control unit and can be diagnosed at your local **Authorized Maserati Dealer** even if the warning light is not on.

Headlights

Xenon headlights

The gas-discharge (Xenon) headlights work with an electric arc saturated with Xenon gas under pressure.
The light produced is superior to that of traditional light bulbs, in terms of quality (brighter light) as well as of the span and positioning of the area illuminated.
The advantages offered by better lighting are perceptible (less eye strain and increased orientation for the driver and thus driving safety) especially in the case of bad weather, fog and/or insufficient road indications owing to the broader illumination of the side zones, which are normally left unilluminated.

The much broader illumination of the side zones increases driving safety as it offers the driver better detection of other persons on the side of the road (pedestrians, bicycle riders and motorcycle drivers).
The electric arc requires very high voltage for lighting, but afterwards power is supplied at a lower voltage.
The headlights reach maximum brightness about 0.5 seconds after being turned on.

The strong light produced by this type of headlight requires the use of an automatic system to keep the position of the headlights constant and to prevent glare for approaching vehicles, in the case of braking, acceleration or load shifting.

If bulb replacement is necessary, contact your local Authorized Maserati Dealer only: DANGER - RISK OF ELECTRICAL SHOCK!

Driving conditions

Before your 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
– proper operation of the warning lights and of the external lights.

WARNING: In any case, it is advisable to carry out these checks at least every 500 miles (800 km), and to always comply with the Maintenance Schedule.

It is also advisable to:

– clean the glass on the external lights and all other glass surfaces
– properly adjust the mirrors, steering wheel, seats and seat belts.

Capacities

WARNING: Use unleaded fuel only! The use of fuel containing lead will damage the catalytic converters.

For fluid and lubricant specifications and quantities, follow the indications contained in the section 7 “CAPACITIES AND TECHNICAL SPECIFICATIONS”.

Safe driving

Although the vehicle is fitted with active and passive safety devices, the driver's conduct is always a decisive factor for road safety.
Below are some simple rules for helping to travel safely in different conditions. You will be, no doubt, familiar with some of them but, in any case, it would be useful to read them carefully.

Before you drive

– Ensure that lights and headlights are working properly.
– Adjust the position of the seat, steering wheel and rear-view mirrors so that you have the best driving position.
– Ensure that nothing (mat covers, etc.) is blocking the pedals travel.
– Avoid heavy meals before a trip. A light snack helps to keep your reflexes sharp. In particular, avoid drinking alcohol or take any drugs that would reflect your reflexes or abilities.
– Remember to check the indications contained in the chapter “Before your trip”, in this section, periodically.

In addition to being prohibited by current regulations, it is extremely dangerous to ride inside the luggage compartment or on the front lid of the vehicle. In the event of an accident, persons transported in this manner are more exposed to the risk of serious injury. Passengers must only travel seated in the vehicle seats, with the seat belts fastened properly. Always check that you and your passengers have your seat belts fastened correctly.

Travelling

– The first rule for safe driving is caution. Being careful also means being in a position to be able to predict driving behaviour of other drivers, that may be wrong or careless.
– Keep a safe distance from vehicles in front of you, adjusting this distance in accordance to the vehicle speed and traffic conditions.
– Strictly follow traffic regulations and above all, stay within the speed limits.
– Long trips should be undertaken in optimal physical condition.

Drunk driving, or driving under the influence of drugs or certain medicines is extremely dangerous for the driver and for others.

Always fasten your seat belts, including any child seats. Travelling without your seat belt fastened significantly increases the risk of serious injury in the event of a collision.

– Do not drive for too many hours at a time. Make frequent stops to stretch your legs and refresh yourself.
– Ensure that the air inside the passenger compartment is refreshed constantly.
– Never coast downhill with the engine switched off: the braking action requires greater effort on the pedal due to the absence of the engine brake and of the brake servo.

Driving at night

The main guidelines to follow when driving at night are set out below:
– Drive with particular caution: at night, driving conditions are more demanding.
– Reduce your speed, especially on roads with no streetlights.
– At the first signs of drowsiness stop: to continue driving would be a risk for yourself and for others. Proceed only after you have had a rest.
– Keep the vehicle at a greater distance from vehicles in front of you than you would use during the day: it is difficult to assess the speed of other vehicles when you can only see the lights.
– Check that the headlights are aimed correctly: if they are too low, they reduce visibility and strain the eyes. If they are too high, they may bother the drivers of other vehicles.
– 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 the maneuvers are more difficult since wheel grip on the asphalt is significantly reduced. This means that the braking distances increase considerably and the road holding decreases.
Below you will find some advice for driving in the rain:
– Reduce your speed and keep a greater safety distance from the vehicles in front of you. High speed may result in a loss of control due to aquaplaning.

- Heavy rain also substantially reduces visibility. In these circumstances, even during the day, turn on the low beams, to be more visible to other drivers.
- Position the air conditioning and heating system controls for the demisting function, in order to help avoid any visibility problems.
- Periodically check the conditions of the windshield wiper blades.

Driving in fog

If the fog is dense, avoid travelling where possible.
When driving in mist, blanket fog or when there is the possibility of banks of fog:

- Keep a moderate speed.
- Even in the daytime, turn on the low beams, the front and rear fog lights. Do not use the high beams.
- Remember that fog creates dampness on the asphalt and thus any type of maneuver 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.

Driving in the mountains

On downhill roads, use the engine brake, engaging low gears so as not to overheat the brakes.

- Never coast downhill with the engine off or in neutral, and never with the ignition key removed.
- Drive at a moderate speed, avoid "cutting" corners.
- 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

Below is some general advice for driving in these conditions:

- Maintain a very moderate speed.
- Fit snow chains or specific tires if the road is covered with snow: see the chapters "Snow chains" and "Winter tires" in this section.
- Mainly use the engine brake and avoid sharp braking.
- It is recommended to activate the “Low grip function” (see page 158).
- Avoid sudden acceleration and sharp changes in direction.
- 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.

Emission control devices

Even if the vehicle is fitted with air quality devices, the environment deserves the utmost respect from every one of us.
By following a few simple rules, the driver can avoid damaging the environment and very often can reduce fuel consumption as well.
In this regard, some useful information is listed here below; please read the following carefully.
The correct operation of the air quality devices not only helps to ensure respect for the environment, but also affects vehicle efficiency.
Keeping these devices in good working conditions is the first rule for driving both ecologically sound and economically.
The first precaution is to follow the Maintenace Schedule precisely.
Always use unleaded fuel.
If starting is difficult, do not make prolonged attempts.
Especially avoid push starts, towing or hill starts: these are all maneuvers that can damage the catalytic converters.
For any emergency starting, only use an auxiliary battery.
When driving, if the engine starts "running poorly", continue driving, but reduce the engine performance required to a minimum and contact your local **Authorized Maserati Dealer** as soon as possible.
Never run the engine, even if only for testing, with one or more spark plugs disconnected.
Do not warm up the engine making it idle before starting off, apart from when the external temperature is very low and, even then, for no longer than 30 seconds.

During normal operation, the catalytic converter generates high temperatures. Do not, therefore, park the vehicle on flammable materials (grass, dry leaves, pine needles, etc.): risk of fire.

Do not install heat guards and do not remove those already fitted to the catalytic converter and to the exhaust manifold.
Do not spray anything on the catalytic converter, oxygen sensor and exhaust manifold.
In addition to specific catalytic and pre-catalytic converters, the vehicles are equipped with a system for controlling fuel vapor emissions. This system, called ORVR, has been designed to help reduce atmospheric pollution by the evaporation from the fuel system.
Also, specific to these vehicles is the fuel filler neck which comes equipped with a sealed plug that is grounded to avoid possible sparking during re-fueling. These devices allow the vehicle to be classified in the LEV. 1 homologation category.

Failure to comply with these rules can originate fire hazards.

Engine exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the State of California to cause cancer and birth defects and reproductive harm. In addition, certain fluids contained in vehicles and certain products of component wear contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Other advices

- Do not warm up the engine with the vehicle stationary: in these conditions the engine heats up much more slowly and increases fuel consumption and emissions. It is much better to move off slowly, avoiding high engine speeds.
- As soon as traffic conditions and the route permit it, use a higher gear.
- Avoid pressing the accelerator repeatedly when stopped at traffic lights or before turning off the engine.
- Keep your speed as even as possible, avoiding unnecessary braking and accelerations, which cause fuel consumption and increase exhaust emissions.
- If the vehicle is stopped for long periods, turn the engine off.
- Check tire pressure regularly: if the pressure is too low, fuel consumption increases and the tires may be damaged.
- Do not transport unnecessary objects left in the luggage compartment. The weight of the vehicle affects fuel consumption considerably.
- Use the electrical devices only as long as necessary. The power required increases fuel consumption.

Parking

Pull the handbrake, straighten the wheels and switch off the engine.
Never leave the ignition key in the **MAR (ON)** position.
Always remove the key when getting out of the vehicle.

Never leave children unattended in the vehicle.

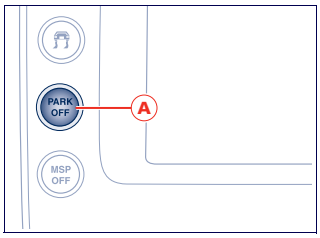
Do not park the vehicle on paper, grass, dry leaves or other flammable materials. They could catch fire if they come into contact with hot parts of the exhaust system.

Do not leave the engine running with the vehicle unattended.

Electric parking brake

The vehicle is equipped with an automatic parking brake, referred to as **EPB** (Electric Parking Brake).
It is automatically engaged when the engine is turned off and it is disengaged when, with the engine running, the accelerator pedal is depressed.
When the parking brake is applied, the warning light **PARK** illuminates and the message **EPB ON** is displayed.
During engagement and disengagement procedures, the warning light **PARK** flashes until the parking brake has reached its maximum activation force and until it is fully released.
In the above mentioned conditions, the automatic engagement function can be deactivated/activated by pressing the button **A** on the dashboard.

Always hold the brake pedal depressed during engagement or disengagement of the parking brake.



WARNING: When you need to park the vehicle on a steep slope, both with the engine on and off, it is recommended not only engage the parking brake but also to shift the gearshift lever to **P** (PARK) before leaving the vehicle.

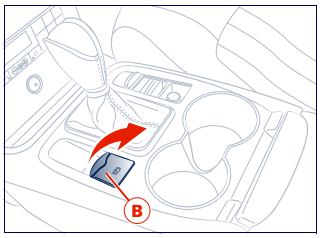
Pressing the EPB button while driving will cause the vehicle to slow down with a sharp deceleration (Dynamic Braking). We therefore recommend that you use this feature only in the event of an emergency. In any case, vehicle stability is ensured by the MSP system, which is always active.

Engagement

The parking brake is automatically engaged when the engine is turned off and the vehicle is stationary.
It can only be disengaged when the engine is restarted.
If the key has been removed or is in position **STOP**, it cannot be disengaged.
The parking brake can also be manually engaged when the vehicle is moving or the key is in the **MAR (ON)** position, by raising the lever **B**.
If the engine was turned off when the automatic engagement device was

deactivated, its operation can be resumed simply by pulling the lever **B** upward. The message EPB ON will be displayed.

Always check that the vehicle is actually locked before leaving it.



Parking

Disengagement

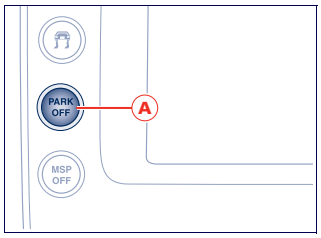
The parking brake is automatically disengaged by depressing the brake pedal and moving the gearshift lever from position **P** (a pressure of at least 5 bar must be generated inside the braking system), or by pushing the accelerator pedal with a gear engaged.
When the vehicle is moving or the key is in the **MAR** position, the parking brake can also be manually disengaged by pulling the lever **B** upward and simultaneously depressing the service brake pedal.

WARNING: If you attempt to disengage the parking brake without having depressed the service brake pedal, a message will be displayed to warn you to do so.

WARNING: 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.

Deactivating PARK OFF automatic operation

To deactivate automatic operation of the parking brake, start the engine and press the button **A** on the dashboard. The message **PARK OFF** appears on the display for 5 seconds, after which it remains displayed in smaller letters.
To reactivate automatic operation, press the button **B** again and the message **PARK ON** will be displayed for 5 seconds.

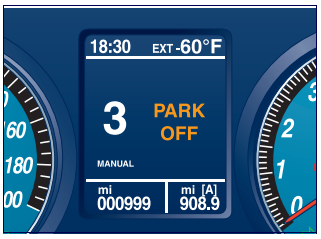


WARNING: In certain conditions when the battery voltage is low, the electric parking brake system may temporarily be deactivated for safety reasons. Therefore, typically upon starting the engine, when the battery voltage drops, the message PARK OFF may temporarily be displayed, indicating that automatic operation is temporarily disabled.

WARNING: In case of performance starts, check that the electric parking brake is deactivated.

Malfunction indication

In the event of a failure of the automatic parking brake system, the warning light (P)! on the instrument panel and on the display illuminates. Depending on the faults found, the warning light is accompanied by the following messages:



– Parking brake fault go to dealer

Slowly drive to the nearest **Authorized Maserati Dealer** and remember that the electric parking brake is not functioning

– EPB is overheated

Turn off the engine for about 15 minutes and do not use the parking brake. If the warning light comes on again when restarting the engine, slowly drive to the nearest **Authorized Maserati Dealer**.

– EPB fault, only manual EPB release possible: see handbook

Follow the manual emergency deactivation procedure in order to release the parking brake.

– Parking brake system revision go to dealer

The device pads have reached their wear limit: Contact your **Authorized Maserati Dealer** to have the system malfunction corrected.

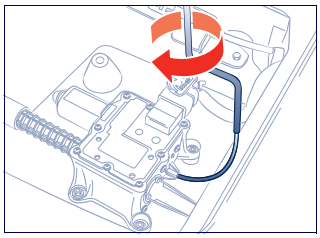
In the event of an EPB failure, take your vehicle to the nearest Authorized Maserati Dealer as soon as possible.

Emergency disengagement

In the event that the electric parking brake locks with a total system failure, you need to manually release the parking brake using the special tool provided in the toolkit.
To do this, proceed as follows:

– Remove the panel that covers the spare wheel compartment in the luggage compartment.
– Remove the cap on the right-hand side of the EPB ECU.
– Insert the special tool in its seat.
– Turn the handle clockwise until release
– Remove the tool from its seat and close it with the cap.

After each manual emergency release, the electric parking brake system remains inefficient and must be repaired by a Authorized Maserati Dealer to resume operation.



Parking

Tires

Tire tread wear must be checked regularly and worn tires must be replaced.

Glossary of tire terminology

- *"Tire Information Placard (label)":* a placard/label, showing the OE (original equipment) tire sizes, recommended inflation pressure, and the maximum weight the vehicle can carry.
- *"Tire Identification Number (TIN)":* A number on the side wall of each tire providing information about the tire brand and manufacturing plant, tire size and date of manufacture.
- *"Inflation pressure":* A measure of the amount of air in a tire.
- *"Standard load":* A class of P-metric or Metric tires designed to carry a maximum load at a specified psi rating.
- *"Extra load":* A class of P-metric or metric tires designed to carry a heavier maximum load at a specified psi rating.
- *"kPa":* Kilopascal, a metric unit of air pressure.
- *"PSI":* Pounds per square inch, a standard unit of air pressure.
- *"B-pillar":* The structural member at the side of the vehicle, behind the front door.
- *"Bead area of the tire":* Area of the tire next to the rim.
- *"Side wall of the tire":* Area between the bead area and the tread.
- *"Tread area of the tire":* Area of the tire perimeter that contacts the road when mounted on the vehicle.
- *"Rim":* The metal support (wheel) for a tire or a tire and tube assembly upon which the tire beads are seated.
- *"Cold tire pressure":* The tires are considered to be cold when they have the same temperature as the surrounding (ambient air) meaning that the car has been stationary for a minimum of 3 hours, or has been driven less than 1 mile. Adjust pressures only in ambient conditions.
- *"Maximum inflation pressure":* Is the greatest amount of air pressure that should ever be put in the tire. This rating is established by th tire manufacturer. Use only the recommended inflation pressure.
- *"Recommended inflation pressure":* Inflation pressure, established by Maserati which is based on the type of tires that are mounted on a vehicle at the factory. This inflation pressure is affected by the number of occupants in the vehicle, the amount of cargo and the speed at which the vehicle will be driven for a prolonged period. This information can be found on the tire inflation placard (label) located on the driver's side B-pillar and in the tire inflation table in this owners manual.

Tire identification number:

On the left hand sidewall as fitted to the car. Commences with DOT (Department of Transportation) followed by a two digit manufacturing plant code, a two digit tire size code, a three digit tire construction code, and a four digit date code for the week and year of production.

DOT Quality Grades

Tires	Tread wear	Traction	Temperature
Michelin Pilot Sport (*)	220	AA	A

(*) Example only

Treadwear

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course.
For example, a tire graded 150 would wear one and one-half (1 $^{1}/_{2}$) times as well on the government course as a tire graded 100.
The relative performance of tires depends upon the actual conditions of their use and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction

The traction grades, from highset to lowest, are “AA”, “A”, “B”, and “C”. Those grades represent the tire’s ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete.

The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning, or peak traction characteristics

Temperature

The temperature grades are "A" (the highest), "B", and "C", representing the tire resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the tire to deteriorate and can reduce tire life. In addition, excessive temperature can lead to sudden tire failure. The grade "C" corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Safety Standard No. 109. Grades "B" and "A" represent higher levels of performance on the laboratory test wheel than the minimum required by law.

The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.

Other tire markings

Manufacturer name

tire model.

Size information

Example:

245 = nominal section width in mm.

35 = height of tire cross-section expressed as percentage of width

R = radial construction

20 = rim diameter in inches.

ZR = speed rating indicating the speed at which the tire can carry the load corresponding to the load capacity index.

Tire placard/label

The tire and loading Information label stuck on the driver's door jamb specifies the correct size and pressure of tires to be used on the Quattroporte. It also specifies the total weight the car can carry, called the car capacity weight. This includes the weight of driver, passenger and luggage.
For tire pressure information, refer also to 'Technical Data' section of this manual.
Also found on the driver's door jamb is the Certification label which stipulates the Gross Vehicle Weight Rating (GVWR). The GVWR includes the weight of the car, occupants, fuel and lug gage. Never exceed the GVWR or the Gross Axle Weight Rating (GAWR) for either the front or rear axle. The maximum load which may be carried in the rear luggage compartment is 66 lbs (30 Kg).

Note that the Quattroporte is not designed to tow a trailer, and no such attempt should be made.

WARNING: Do not exceed the GVWR, or front or rear GAWR. Exceeding these limits may cause unstable handling or car or tire damage which could cause a crash in which you or others could be seriously injured or killed.
Information on tire care, including maintenance and safety practices can also be found on page 252; tire and wheel size information is on page 233 and the information on the tire pressure monitoring system (tpms) can be found on page 47.

WARNING: In order to achieve the optimum handling characteristics, the wheel and tire sizes on the Quattroporte are different at the front and at the rear. This means that interchanging of wheels and tires between axles is not permissible. Failure to adhere to this requirement will adversely affect the handling of the car and may result in an accident in which you or others could be killed or seriously injured.

Importance of proper inflation pressure

- Use a good quality tire pressure gauge and always replace the tire valve dust cap to prevent the ingress of dirt and moisture into the valve, which could cause leakage. Many gas stations provide tire inflation facilities.
- The tires should be regularly inspected for signs of cuts, abrasions or other dam age, and for any uneven tread wear patterns. Uneven treadwear may indicate that the suspension geometry or dampers require attention from your dealer.
- Overloading your tires can cause overheating as a result of too much friction. You could have a blowout and a serious accident in which you could be killed or seriously injured. See 'Tire Placard Label'.
- Underinflated tires pose the same danger as overloaded tires. The resulting accident could cause serious injury, or death. Check all

tires frequently and maintain at the recommended pressure. Tire pressures should be checked only when the tires are cold.

- Overinflated tires are more likely to be cut, punctured or broken by a sudden impact - such as hit ting a pothole. Keep tires at the recommended pressure.
- Installing improper tires on your car can affect handling and stability. This can cause a crash in which you can be killed or seriously injured.
- Always use the size and type of tires recommended in this manual.
- Using incorrect tires or tires which are excessively worn or improperly inflated can cause a crash in which you can be killed or seriously injured.

When driving on wet roads, surfac water is squeezed out from between the tire and road. However excessive speed or water depth can overwhelm the water clearing capability of the tread and lead to a condition called 'aquaplaning' or 'hydroplaning', where the tire rides on a film of water and provides little or no grip on the road surface, leading to a loss of control. This condition is more likely to occur with worn tires having little depth of tread, or with in correct tire pressures. Drivers should keep check on tire wear and condition, and moderate their speed in adverse weather conditions.

Tire care

Wear indicators are molded into the bottom of the tread grooves at intervals around the tire, indicated by small pointers on the outer tread blocks. The tires should be replaced before being worn to this minimum legal tread depth.

The cold tire pressures should be checked every week, or every 1,000 miles (1,700 km), whichever is the sooner, and corrections made as necessary. See 'Technical Data' at the back of the handbook for tire pressures. Underinflation will cause excessive wear, rapid deterioration of the tire sidewalls and heavy steering, whereas overinflation results in a hard ride and in creased susceptibility to tire damage. Both conditions will cause a degradation in the handling qualities.

Vehicle load limits:

Federal regulations require the following statement in this manual: "Steps for Determining Correct Load Limit".

1) Locate the statement "The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs." on your vehicle's placard.

2) Determine the combined weight of the driver and passengers that will be riding in your vehicle.

3) Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.

4) The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the "XXX" amount equals 1400 lbs. and there will be five 150 lb passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1400-750 (5 x 150) = 650 lbs.)

5) Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.

6) If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Do not however use the vehicle for trailer towing.

Winter tires

These tires are specially designed for driving on snow and are fitted to replace the ones supplied with the vehicle.

Use only winter tires of the size and brand prescribed.

Your local **Authorized Maserati Dealer** is available to provide suggestions as to the types of tires most suited to the use foreseen by the Customer.
For the type of tires to use, inflation pressures and relative specifications for winter tires, carefully follow the indications found in the section "Capacities and technical specifications".
The features of these tires are significantly reduced in winter when tread depth is less than 0.16 in (4 mm.) 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 performance for which they have been type-approved.

Fit identical (manufacturer and tread) tires on all four wheels, in order to ensure safe driving, braking and good maneuverability.

Remember that the direction of tire rotation should not be reversed.

Snow chains

The use of snow chains is subject to the regulations in force in each country.
Use snow chains of reduced dimensions, with a maximum protrusion of 0.35 in (9 mm) beyond the tire tread.
The chains should be fitted only on the driving wheel tires (rear wheels).
Check the chain tension after driving for a distance of about 164 ft (50 meters) with the chains fitted.
Deactivation of the MSP system is advised when chains are fitted on the tires. Press the MSP-OFF button, the LED on the same button will be on.

Snow chains: brand/type
Konig/SUPER MAGIC

Rear tire
285/40 ZR18

WARNING: Before purchasing or using snow chains, we recommend that you to contact your local **Authorized Maserati Dealer** for information.

WARNING: Keep a moderate speed when chains are fitted on the tires. Do not exceed 31 mph (50 km/h). 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 roadway.

Useful accessories to keep on-board

Regardless of the legal provisions in force, we would recommend that you keep in the vehicle:

- first aid kit containing alcohol-free disinfectant, sterile gauze pads, gauze rolls, bandages, etc.;
- flashlight;
- blunt-tipped scissors;
- heavy-duty gloves.

The objects described and other essential objects can be obtained from your local **Authorized Maserati Dealer**.

In an emergency

Emergency starting

If the MASERATI CODE fails to deactivate the engine immobilizer, the warning light **CODE** will light up with a fixed light, the **OBDII** warning light will go out after 18 seconds and then will come on immediately and the engine will not start. To start the engine, it is necessary to follow the emergency start procedure.

WARNING: We recommend that you carefully read the entire procedure before carrying it out. If you make a mistake, you should turn the ignition key to **STOP** and repeat the operations from the beginning (step **1**).

1) Read the 5-digit electronic code found on the CODE CARD.

2) Turn the ignition key to **MAR** (**ON**): the **CODE** and OBDII warning lights are on.

3) Press the accelerator pedal fully down and keep it pressed. Approximately 8 seconds later, the **OBDII** warning light goes off. Release the accelerator and get ready to count the number of times the **OBDII** warning light flashes.

4) As soon as the displayed number of flashing is equal to the first digit of your CODE CARD, depress the accelerator and keep it pressed down until the **OBDII** warning light goes off, after being lit on for approximately 4 seconds; you can now release the accelerator pedal.

5) The **OBDII** warning light starts flashing again. As soon as the displayed number of flashing is equal to the second digit of your CODE CARD, press down the accelerator pedal and keep it pressed.

6) Proceed in the same manner for the remaining digits in the code on the CODE CARD.

7) When the last digit has been entered, keep the accelerator pedal pressed down. The **OBDII** warning light comes on for 4 seconds and then goes off; you can now release the accelerator pedal.

8) A quick flashing of the **OBDII** warning light (about 4 seconds) confirms that the operation has been carried out correctly.

9) Start the engine turning the key from **MAR** (**ON**) to **AVV** (**START**).

If the **OBDII** warning light remains on, turn the key to the **STOP** position and repeat the procedure from step 1. This procedure can be repeated an unlimited number of times.

WARNING: After an emergency start, we recommend that you contact your local **Authorized Maserati Dealer**, otherwise you will have to perform the emergency start procedure every time the engine is started.

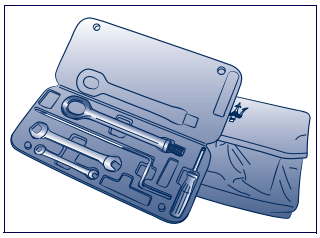
Toolkit

The vehicle is equipped with the following tools:

– toolkit, located in the luggage compartment
– tire repair kit
– reflecting triangle
– box with electric compressor, jack and tools for fitting the spare wheel (optional), located inside the spare wheel itself.

The toolkit contains the following:

– 8 + 10 mm open end wrench
– 13 +17 mm open end wrench
– double screwdriver (flat + phillips head)
– tow hook
– tool for electric parking brake actuator release.



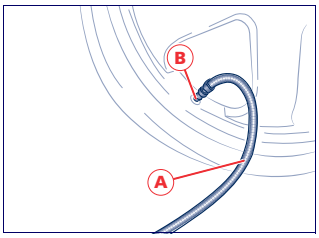
If a tire gets a puncture

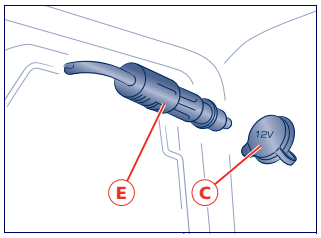
Precautions in the event of a puncture

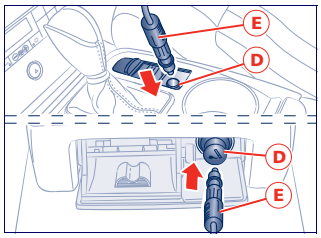
If a tire is punctured, you can make a first emergency repair using the special Fix&Go kit located in the trunk.
Tire punctures of up to 7/32 inch (6 mm) can be repaired; the kit can be used in all weather conditions.
Do not remove the foreign object from the punchured tire, e.g., screw or nail.
Remove the special Fix&Go kit from the vehicle, take it out from the bag and place it near the punchured tire.
Screw the flexible vacuum filling hose **A** onto the pneumatic valve **B**. Remove the cap **C** from the power socket positioned in the luggage compartment or remove the cigarette lighter **D** from one of two power sockets housed in the ashtray, then fit the coupling **E**.
Start the vehicle engine (see page 150).
Press the Fix&Go power switch **F** to the "I" position. The electric compressor will be turned on, sealant and air will inflate the tire.
Minimum 26 psi (1.8 bar) of pressure should be reached within 20 minutes.
If the pressure has not been reached turn off and remove the Fix&Go, drive the vehicle 30 feet (10 meters) back and forth, to better distribute the sealant inside the tire.
Attach the clear flexible filling tube of the compressor directly to the tire valve and repeat the inflation process.

WARNING: If the minimum pressure can not be reached, do not drive the vehicle; contact the nearest **Authorized Maserati Dealer.**

When the correct pressure has been reached, start driving the vehicle to uniformly distribute the sealant inside the tire.
After 10 minutes, stop and check the tire pressure. If the pressure is below 19 psi (1.3 bar), do not drive the vehicle, as the tire is too damaged, contact the nearest **Authorized Maserati Dealer.**
If the pressure is at 19 psi (1.3 bar) or above repeat the inflation process to reach the correct tire pressure and continue driving.







If a tire gets a puncture

Peel off the warning label **G** from the bottle and place it on the dashboard as a reminder to the driver that the tire has been treated with Fix&Go.

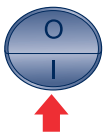
Do not drive over the speed limit or exceed 65 mph (110 km/h) whichever is less. Have the tire checked as soon as possible at an Authorized Maserati Dealer.

The sealant maybe harmful or irritant. Do not swallow, avoid contact with eyes & skin. In case of contact rinse with plenty of water.
Contact a physician in case of allergic reaction. Keep the sealant away from children. Dispose of the used sealant canister at your local Authorized Maserati Dealer.

WARNING: Replace the sealant canister prior to the expiration date at your **Authorized Maserati Dealer.**

WARNING: The sealant contained in the bottle in the Fix&Go kit may damage the sensor fitted inside the wheel rim on vehicles equipped with the tire pressure monitoring system. In these cases, always have the sensor replaced by your **Authorized Maserati Dealer**.

F



G

Spare wheel (emergency wheel - optional)

With the spare wheel fitted, never exceed the maximum speed of 50 mph (80 Km/h); when this limit is exceeded, the MSP system deactivates, consequently jeopardizing the vehicle's stability, road holding and braking. Avoid accelerating at full throttle, braking sharply and cornering at high speeds.

On request, the vehicle can be fitted with a spare wheel (emergency wheel), jack and tools for wheel replacement. The spare wheel is of a special type and is housed in the luggage compartment. The spare wheel is supplied deflated, for space-saving reasons, with an electric compressor to inflate it.
If a tire is punctured, proceed as follows:

– Stop the vehicle in safe place, where it does not represent a hazardous situation for the road traffic and where the wheel can be replaced safely. The vehicle must be parked on a level and firm ground.
– Check that the electric parking brake is applied.
– Select **P** (PARK), then turn the key to position **STOP**.
– If necessary, turn on the hazard warning lights and position the warning triangle at the prescribed distance.

WARNING: In the event of downhill or uneven roads, place wedges or other objects under the wheels, in order to hold the vehicle.

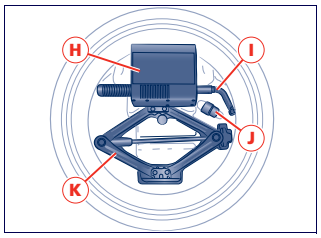
– Free the bag and remove it from the luggage compartment..

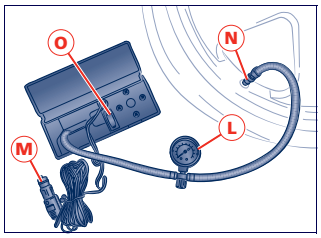
Remove the spare wheel, the jack, the compressor and the tools for wheel replacement.
The box located inside the spare wheel contains:

– an electric compressor **H**, including a pressure gauge and the union for inflating the spare wheel
– a wrench **I** for the wheel studs and for the jack operation
– a socket **J**, to be fitted on the wrench to loosen the wheel studs and to operate the jack
– a jack **K**.

WARNING: If the vehicle is equipped with a spare wheel, the repair kit is not provided.

– Open the compressor cover and take out the pipe with the pressure gauge **L** and the with connector **M** for the power plug.
– Unscrew the spare wheel's valve cap and attach the inflation pipe union **N** on the valve.





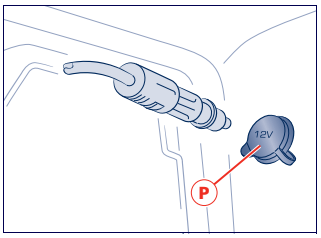
– Remove the cap **P** from power socket positioned in the luggage compartment or remove the cigarette lighter **Q** from one of the power sockets housed in the ashtray, then fit the coupling **M**.
– Turn the ignition key to **MAR (ON)** to supply power to the plug and activate the compressor by pressing switch **O**.
– Stop the compressor when the pressure gauge **L** indicates 2.2 bar (220 kPa – 31.9 psi), remove the inflation pipe and reinstall the cap on the valve.

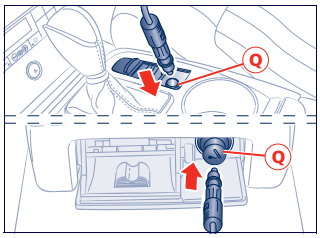
WARNING: We recommend that you check the tire pressure on the gauge when the compressor is off, in order to have a more accurate reading.

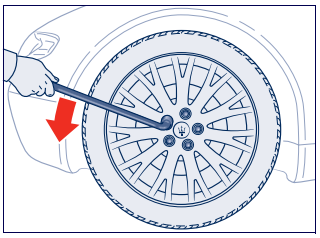
WARNING: Do not activate the compressor for more than 20 minutes: risk of overheating! The compressor has been designed for inflating the spare wheel only; do not use it to inflate mattresses, rubber boats etc.

WARNING: The current plug is powered only when the key is turned to **MAR (ON)** and it can only be connected to devices with a power absorption of 15A maximum (180W power). Do not connect devices with a higher power absorption to the current plug. A prolonged power absorption can discharge the battery, preventing the engine from being started once again.

– Fit the socket **J** onto the wrench **I** and loosen the 5 fastening studs on the wheel to be replaced by about one turn.







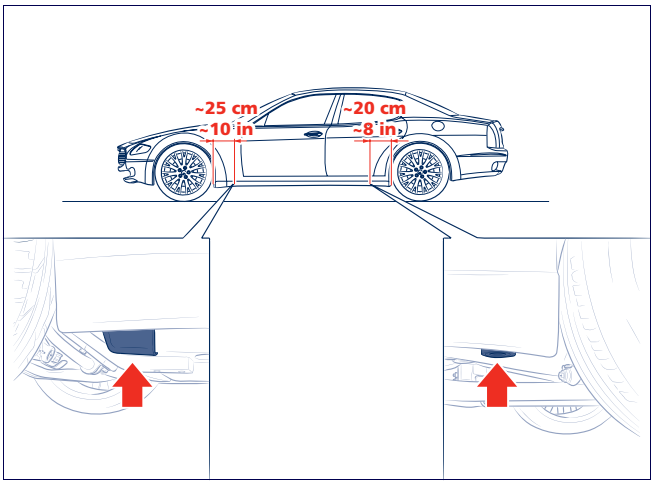
If a tire gets a puncture

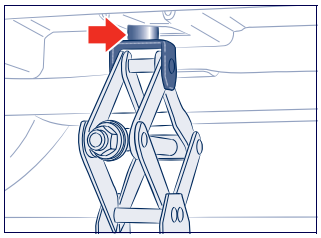
– Take out the jack from the box and open it partially.

– Place the jack near the wheel to be replaced, in one of the positions indicated below.

– Make sure that the jack head is properly fitted into one of the special seats on the side member.

Failure to position the jack correctly could result in the vehicle dropping or damage to the body when raised.

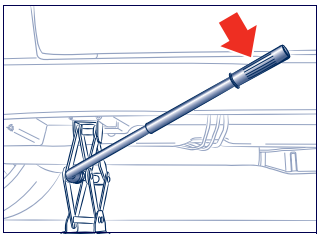




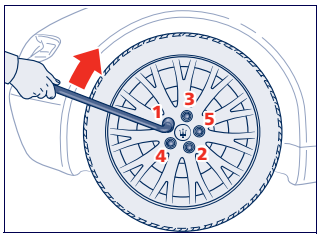
If a tire gets a puncture

– Insert the wrench onto the jack and rotate it until the wheel rises a few inches off the ground.
– Loosen the 5 studs completely and remove the wheel.
– Fit the spare wheel fixing it with the 5 studs just removed.

WARNING: The spare wheel must be fitted using the studs that fix the standard wheels.



– Turn the jack using the wrench to lower the car and withdraw the jack.
– Fully tighten the studs as shown in the illustration below, starting first with one stud and then with the one diagonally opposite and so on.



The spare wheel is narrower than the standard ones and must be used only to travel the necessary distance to reach a service station, where the punctured tire can be repaired.

With the spare wheel fitted, never exceed the maximum speed of 50 mph (80 km/h); exceeding this speed jeopardizes the vehicle's stability, road holding and braking. Avoid accelerating at full throttle, braking sharply and cornering at high speeds.

The inflating pressure for the spare wheel must be 2.2 bar (220 kPa - 31.9 psi).

For safety reasons, it is absolutely forbidden to travel with more than one spare wheel fitted on the vehicle at the same time.

Snow chains cannot be fitted on spare wheels.

The maximum total life of the spare wheel is approximately 1,860 mi. (3,000 km).

Refitting the standard wheel

– Following the procedure described before, lift the car and remove the spare wheel.
– Fit the standard wheel.
– Snug the studs using the special wrench.
– Lower the vehicle and remove the jack.
– Fully tighten the studs following the sequence indicated before.

Observe the tightening torque for the wheel studs (98 ± 10 Nm / 72 ± 7 ft. lbs).

On completion of the operation:

– Thoroughly deflate the spare wheel, exerting pressure on the valve through the protruding piece of the valve cap.
– Position the jack and the wrench with the bushing in their box and put it back into the spare wheel.
– Place the spare wheel into its bag and secure it inside the luggage compartment.

The used wheel may soil the mats, therefore protect them if possible.

After refitting the standard wheel, check the tire pressure.

The jack can be used only to replace the wheels. It should never be used for repairs under the vehicle.

If an exterior light goes out

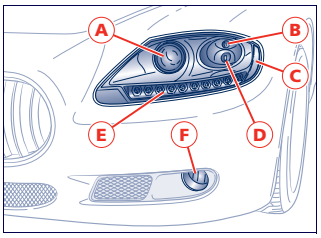
WARNING: Before replacing a light bulb, make sure that the corresponding fuse is intact. For replacement, use only genuine new light bulbs having the same characteristics as the bulb to be replaced.

Headlight clusters

To access the headlight clusters from underneath the vehicle, you must first remove the wheel housing covering. The light bulbs of the headlight clusters are arranged as follows:

A – Bi-xenon low-beam/high-beam bulb

B – Position and DRL bulb.



On the vehicles manufactured for the Japanese market, the DRL lights are not operational; for all the other markets where by law they may not be turned on, they can be deactivated through the Bose® Infotainment system.

C – Side-marker light bulb

D – High beam light bulb

E – Direction indicator LED

F – Fog light bulb

To replace the Xenon light bulbs, the low and high beam light bulbs and to check the system, contact your local Authorized Maserati Dealer only: RISK OF ELECTRICAL SHOCKS!

Due to the complexity of the operation, we recommend that you contact your local Authorized Maserati Dealer for the replacement of all of the light bulbs.

Taillight clusters

The taillight bulbs are arranged as follows:

G – Direction indicator light bulb

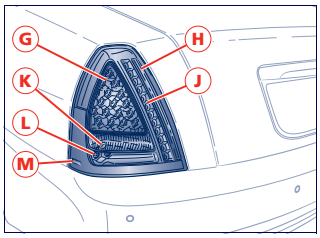
H – Position light bulb

J – Stop light LED

K – Reverse light bulb

L – Rear fog light bulb

M – Side-marker LED

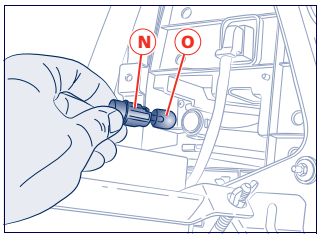


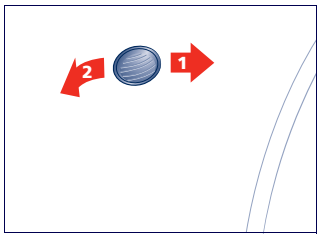
If an exterior light goes out

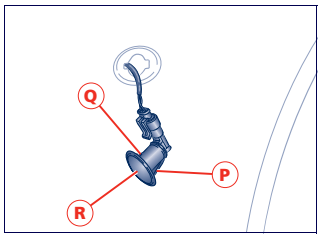
To replace a light bulb:
1) Lift the luggage compartment lid.
2) Open the door on the covering panel, in position with the light cluster.
3) Pull the bulb holder **N** and remove it.
4) Remove the light bulb **O** and replace it.
5) Refit the bulb holder **N** in its seat.
6) Close the door on the covering panel.

Direction indicator side lights

To replace the side direction indicator light bulb (5W):
1) Push the side direction indicator forward to press the spring clip **P**.
2) Take out the rear part of the indicator by releasing the retaining tab **Q** and remove the unit.
3) Remove the bulb holder **R** turning it in an anti-clockwise direction.







If an exterior light goes out

4) Remove and replace the bulb **S**.

5) Refit the bulb holder turning it in a clockwise direction.

6) Refit the direction indicator inserting first the retaining tab on the rear part and then pressing the front part until hearing the spring clip click in place.

WARNING: Proceed with care when removing the side direction indicator light, to avoid damages to the car body or to the indicator itself.

Third stop light

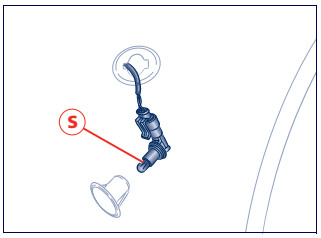
In order to replace the bulbs, the optical unit has to be removed. It is therefore recommended that you contact your local **Authorized Maserati Dealer.**

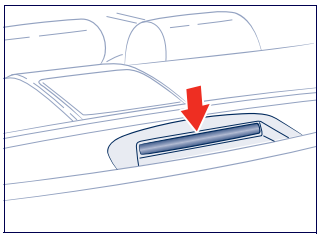
License plate lights

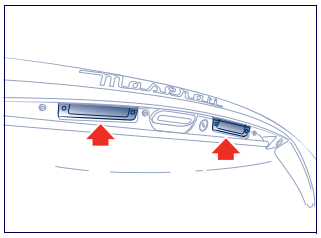
To replace the license plate light bulb (C 5W):

1) Remove the fastening screws for the transparent cover/bulb holder unit.

2) Remove the unit and replace the bulb.







If an exterior light goes out

If an interior light goes out

WARNING: Before replacing a bulb, ensure that the matching fuse is intact. For replacement, use only original, new light bulbs having the same characteristics as the bulb to be replaced.

Front and rear dome light

To replace the bulbs:

1) Use a screwdriver to gently pry it out at points **A** and remove the dome light.

2) Replace the bulb concerned by rotating it:

– timed light **B**

– reading lights **C**.

3) Refit the dome lamp inserting first the front side and the pushing the rear side into its seat.

WARNING: When refitting the dome light, make sure that the electric wires are correctly positioned and do not interfere with the dome light edges and with the retaining tabs.

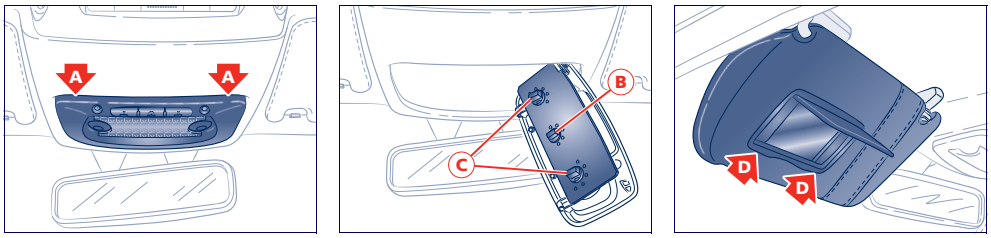
Courtesy mirror light

To replace the bulb (12V - 5W "torpedo" type):

1) Remove the fixing frame by prying it out gently at points **D**.

2) Replace the bulb.

3) Refit the frame by pressing it.



If an interior light goes out

Glove compartment, glove box and luggage compartment light

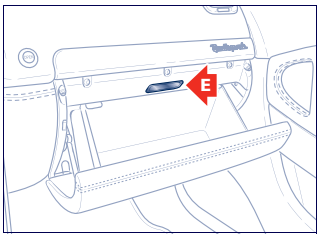
To replace the bulb:

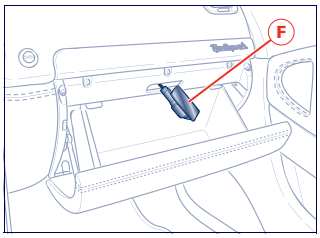
1) Remove the transparent cover by prying it out gently at point **E** with a screwdriver.

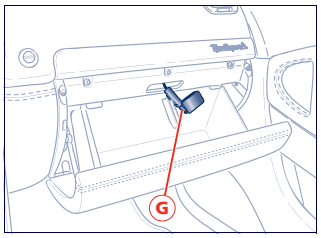
2) Lift the cover **F**.

3) Replace the light bulb **G**.

4) Refit the cover, inserting first the two-tab side and then pressing on the other side.







If an interior light goes out

Courtesy lights (below door)

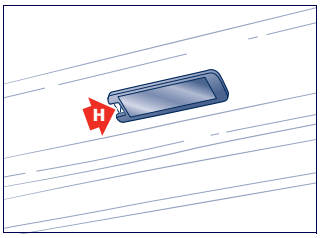
To replace the bulb:

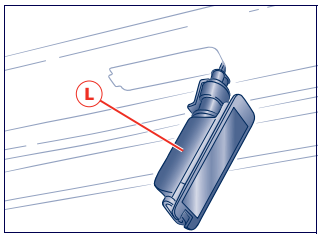
1) Use a screwdriver positioned at point **H** to pry out the light fixing frame.

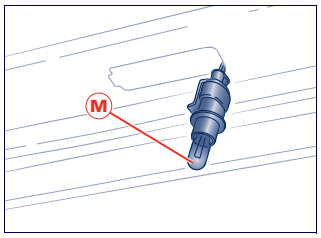
2) Rotate the bulb holder **L** and take it out.

3) Replace the pressure-fitted bulb **M**.

4) Refit the bulb holder **L** inserting first the electrical connector side and then pressing on the other side to hook up the clip.







If an interior light goes out

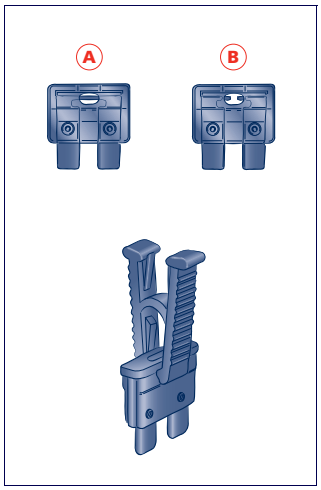
If a fuse blows

Replacing the fuses

When an electrical device fails to work, check that the matching fuse is intact.

A - Intact fuse.

B - Blown fuse.



Replace the faulty fuse with a new one having the same rating (same color). If the fault recurs, contact your local **Authorized Maserati Dealer**.

Never replace a blown fuse with anything other than a good fuse (same rating/color).

Position of fuses/relays

The fuses/relays are located in various parts of the vehicle:

– In the right hand side of the engine compartment.

– Behind the cover on the left of the steering wheel.

– In the right hand side of the luggage compartment.

Fuse colors

	dark yellow	brown	red	light blue	yellow	white	green
Ampere	A5	A7.5	A10	A15	A20	A25	A30

Maxi fuse colors

	yellow	green	orange	red	blue
Ampere	A20	A30	A40	A50	A60

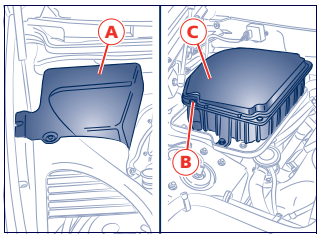
Fuses and relays in the engine compartment

To access the fuses/relays, lift the engine compartment lid, remove the covering panel **A**, then undo the 4 screws **B** to remove the cover **C**.

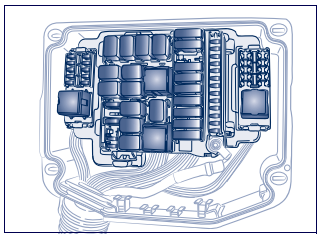
The fuses/relays are housed in 3 control boxes.

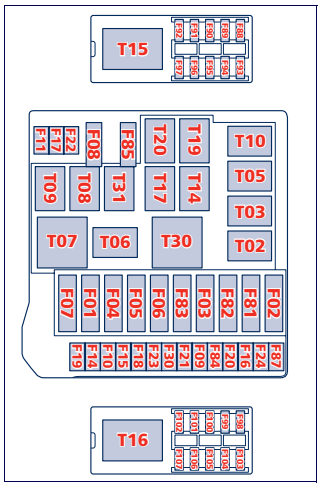
The list of fuses and relays is shown in the following pages.

WARNING: If you need to wash the engine compartment, do not direct the jet of water on the engine compartment ECU.



If a fuse blows





Engine compartment relay

Pos.	Type	Function
T02	Micro 20 A	DRL relay
T03	Micro 20 A	Spot light relay
T05	Micro 20 A	CLA relay
T06	Micro 20 A	Horns relay
T07	Maxi 50 A	I.E. main relay
T08	Micro 20 A	Air conditioning system compressor relay
T09	Micro 20 A	High-beam relay
T10	Micro 20 A	Glove compartment motor relay
T14	Micro 20 A	Fog light relay
T15	Maxi 50 A	Radiator electric fan - 1st speed relay
T16	Maxi 50 A	Radiator electric fan - 2nd speed relay
T17	Micro 30 A	Immobilizer relay (only Quattroporte version)
T19	Micro 20 A	Ignition enable relay
T20	Micro 30 A	Ignition relay
T30	Maxi 50 A	Air pump relay
T31	Micro 30 A	Headlight washer pump relay

Engine compartment fuses

Pos.	Amp.	Colours	System / Component
F01	Maxi 40 A	Orange	+30 relay - fan 1
F02	Maxi 30 A	Green	+30 ABS valves
F03	Maxi 20 A	Yellow	+30 Relay T03 spot lights

Pos.	Amp.	Colours	System / Component
F04	Maxi 40 A	Orange	+30 ABS pump
F05	Maxi 40 A	Orange	+30 A.C. Node
F06	Maxi 60 A	Blue	+30 relay - fan 2
F07	30 A	Green	+30 relay T07 - I.E. main
F08	7.5 A	Brown	+30 relay T08 - Air conditioner compressor
F09	7.5 A	Brown	+30 relay T05 - CLA
F10	15 A	Light blue	+30 Relay T06 - Horns
F11	10 A	Red	LH high beam
F14	7.5 A	Brown	NQS
F15	15 A	Light blue	+30 alternator sensing
F16	10 A	Red	LH spot light power supply
F17	10 A	Red	RH high beam
F18	7.5 A	Brown	+30 I.E. bank
F19	15 A	Light blue	+30 relay T02 - DRL lights
F20	15 A	Light blue	+30 relay T10 - Glove compartment motor
F21	15 A	Light blue	+30 relay T14 - Fog lights
F22	-		-
F23	10 A	Red	+30 ABS electronics
F24	10 A	Red	RH spot light power supply
F30	30 A	Green	+30 Relay T20 - Ignition
F81	Maxi 50 A	Red	CPL2
F82	-		-
F83	Maxi 50 A	Red	+30 Air pump relay

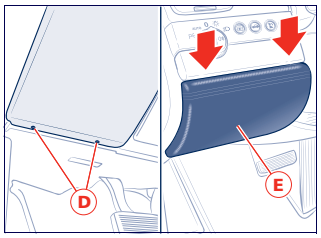
Pos.	Amp.	Colours	System / Component
F84	20 A	Yellow	+30 Ignition switch
F85	30 A	Green	Headlight washer power supply
F87	-		-
F88	15 A	Light blue	+main relay, injectors/cylinder coils 1-4
F89	15 A	Light blue	+main relay, injectors/cylinder coils 5-8
F90	15 A	Light blue	+main relay I.E. secondary connected devices
F91	10 A	Red	+main relay, I.E. ECU
F92	15 A	Light blue	+main relay, oxygen sensors
F93	7.5 A	Brown	INT roof inside panel utilities
F94	7.5 A	Brown	INT NCS
F95	7.5 A	Brown	INT CSG
F96	7.5 A	Brown	INT alternator
F97	10 A	Red	INT I.E. ECU
F98	-		-
F99	-		-
F100	-		-
F101	-		-
F102	-		-
F103	-		-
F104	-		-
F105	-		-
F106	-		-
F107	-		-

Fuses and relays in the passenger compartment, to the left of the steering wheel

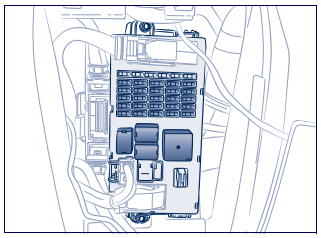
To access the fuses/relays, undo the two screws **D**, then remove the panel **E** pushing it downward, pressing on the points indicated.

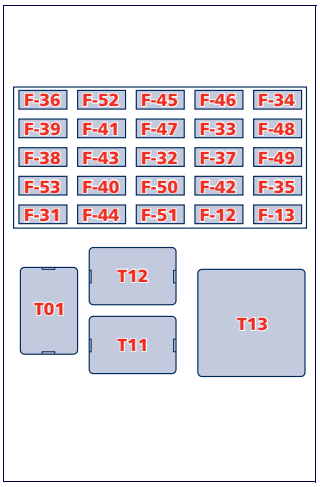
The fuses/relays are housed in 2 control boxes.

The list of fuses and relays is shown in the following pages.



If a fuse blows





Relays in the passenger compartment, on the left of the steering wheel

Pos.	Type	Function
T01	Micro-relay 20A	Low beams
T11	Micro-relay 30A	Heated rear window
T12	Micro-relay 30A	Connected devices 1 (controlled by INT/A ignition switch)
T13	Maxi-relay 50A	Connected devices 2 (controlled by BC Body Computer)

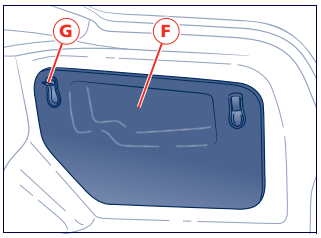
Fuses inside the passenger compartment, to the left of the steering wheel

Pos.	Amp.	Colour	System / Component
F12	15A	Light blue	Right-hand low beam
F13	15A	Light blue	Left-hand low beam/CAF (Headlights ECU) enable
F31	7.5A	Brown	INT/A For A.C. unit, NBC (Body Computer Node)
F32	10A	Red	Rear dome lights, step lights, luggage compartment lights, front dome light
F33	20A	Yellow	NVB (luggage compartment node) power supply 1
F34	20A	Yellow	NVB 2 (luggage compartment node) power supply 2
F35	7.5A	Brown	+15 SCC (Cruise Control Satellite), NAC (Cruise Control Adaptive Node), CLA (Stop lights Control) (NC)
F36	10A	Red	+30 (preset position)
F37	10A	Red	+15 CLA (Stop Lights Control) (NA), third stop, NQS (Instrument Panel Node), CAF (Headlights ECU)
F38	15A	Light blue	Reverse lights
F39	10A	Red	+30 for NIM (Inside Roof Node), Bose® Infotainment (IT Node), NCL (Air Conditioning and Heating System Node), OBDII Diagnostics Socket, CSA (Alarm System Siren Ecu), CAV (MOtion-sensing Alarm Ecu)
F40	30A	Green	Heated rear window

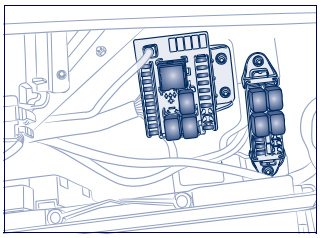
Pos.	Amp.	Colour	System / Component
F41	15A	Light blue	Windshield/rear window washer nozzles, heated windshield (preset position)
F42	7.5	Brown	+15 NFR (Brake System Node)
F43	30A	Green	Windshield wiper/washer (Connected Devices Relay INT/A)
F44	20A	Yellow	Cigarette lighter - power socket inside luggage compartment, dashboard power socket (connected devices relay INT/A)
F45	25A	White	Electromagnets for headrest recline
F46	15A	Light blue	Rear window sunshade motor
F47	20A	Yellow	NPG Power Supply (driver's door node)
F48	20A	Yellow	NPP Power Suppy (passenger's door node)
F49	7.5A	Brown	+15 for NVO (SteerinG Wheel Node), NCS (Suspensions Control Node), NSP (Parking Sensors Node), CSG (Power Steering ECU), NTV (TV Node), CSP (Twilight/rain Sensor ECU), Internal Mirror, NIM (Inside Roof Node), LH Bose® Infotainment Control Panel (IT Node), LH Control Panel On Dashboard, AQS, Fog Sensor, CTA (Sunroof ECU)
F50	7.5A	Brown	Airbag system
F51	7.5A	Brown	+15 Windshield wiper controls, NCA (Automatic Gearbox Node)
F52	15A	Light blue	Front seats heating (Connected Devices Relay INT/A)
F53	10A	Red	Rear fog light

Relay/fuse boxes inside the luggage compartment

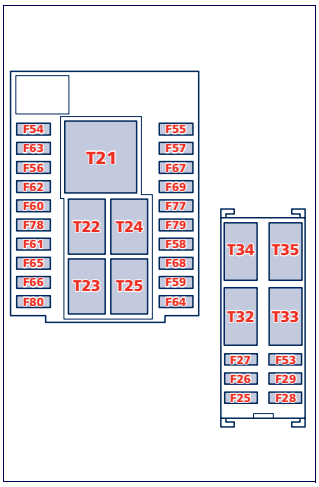
To access the fuses/relays, open the covering panel **F** on the right-hand side of the luggage compartment, levering up the fastening tabs **G**.



There are 2 relay and fuse boxes.



To access the fuses and relays inside the control boxes, remove the covers by levering up the fastening tabs.



If a fuse blows

Relays inside the luggage compartment

Pos.	Type	Function
T21	Maxi 50 A	Rear connected devices relay
T22	-	-
T23	Micro 20 A	Side marker relay
T24	Micro 20 A	Third stop relay
T25	Micro 20 A	Fuel tank door relay
T32	Micro 30 A	Key-Lock solenoid
T33	Micro 30 A	Rear seat heating
T34	Micro 30 A	Fuel pump 1
T35	Micro 30 A	Fuel pump 2

Fuses inside the luggage compartment

Pos.	Amp.	Colour	System / Component
F25	10 A	Red	+30 T32 key-lock solenoid
F26	20 A	Yellow	+30 T33 rear seat heating
F27	20 A	Yellow	+30 T34, T35 fuel pumps
F28	-		-
F29	-		-
F53	-		-
F54	30 A	Green	+30 Hi-Fi amplifier
F55	30 A	Green	Driver's seat movement (from T21)
F56	10 A	Red	+30 NAG, NTV, Bose® tuner, NIT (Japan)
F57	30 A	Green	Passenger seat movement (from T21)

Pos.	Amp.	Colour	System / Component
F58	7.5 A	Brown	Front LH, rear RH side marker power supply from T23
F59	-		-
F60	7.5 A	Brown	+30 NSP
F61	7.5 A	Brown	+30 T24 third stop
F62	20A	Yellow	+30 NCA
F63	15 A	Light blue	+30 fuel tank door T25 relay
F64	7.5 A	Brown	Front RH, rear LH side marker power supply from T23
F65	20 A	Yellow	+30 NPP, NPG, NVB locks
F66	20 A	Yellow	+30 sunroof
F67	30 A	Green	Rear LH seat movement (from T21)
F68	-		-
F69	30 A	Green	Rear RH seat movement (from T21)
F77	20 A	Yellow	Power socket on armrest (from T21)
F78	20 A	Yellow	+30 power socket
F79	7.5 A	Brown	Rear seat movement (from T21)
F80	25 A	White	+30 bass box

If the battery is flat

First of all, we recommend that you read the precautions contained in the section "Maintenance" to prevent the battery from running flat and to help ensure its long life.

Starting with an auxiliary battery

See the chapter "Starting the engine" on page 150 in the section "Using the vehicle".

WARNING: Under no circumstance should a battery charger be used for an emergency start: you could damage the electronic systems, particularly the control units which manage the ignition and fuel supply functions.

Charging the battery

You are advised to charge the battery slowly and at a low amperage for about 24 hours.
Follow the below instructions:

1) Deactivate the electronic alarm system using the remote control.

2) Open the luggage compartment and remove the panel on the right-hand side, then disconnect the electric system terminals from the battery poles.

WARNING: First disconnect the negative terminal (–) then the positive one (+).

3) Connect the charger cables to the battery poles.

4) Switch on the charger.

5) When the battery is recharged, turn off the charger before disconnecting it from the battery.

6) Reconnect the terminals to the battery poles, observing the polarity.

WARNING: First reconnect the positive terminal (+) and then the negative one (–).

The fluid contained in the battery is poisonous and corrosive. Avoid contact with the skin and eyes. The battery charging procedure must be carried out in a ventilated environment, away from open flames or possible sources of sparks: risk of explosion and fire.

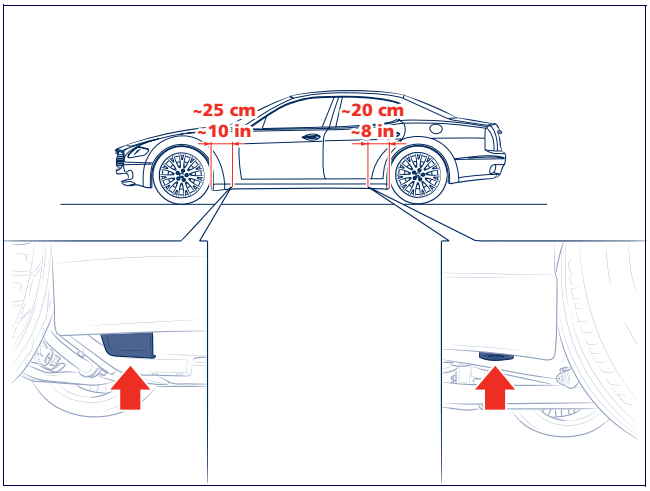
Battery posts, terminals and related accessories contain lead and lead compounds. Wash your hands after handling.

If you have to jack up the vehicle

The jack can be used only to replace the wheels. Under no circumstance should it be used for repairs under the vehicle.

Using the jack

See the chapter "If a tire gets a puncture", in this section.



If you have to tow the vehicle

If you need to tow the vehicle, observe the following recommendations:

– if possible, have the vehicle transported on a vehicle specific for roadside assistance and recovery.

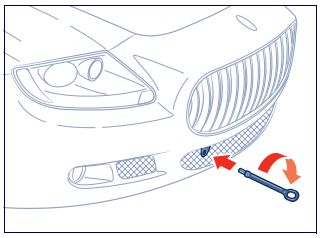
If this is not possible:

– tow the vehicle by raising the driving wheels (rear).

If also this solution is not practicable:

– tow the vehicle for by raising the front of the vehicle a distance of less than 60 mi (100 km) at a speed below 35 mph (60 km/h).

Do not extract the key, as the steering wheel will lock automatically and you will be unable to steer the wheels.



If you have to tow the vehicle

Tow the vehicle using the towing hook found in the toolkit. Screw the towing hook down tightly in its seat, on the lower, right-hand side of the front bumper.
In order to tow the vehicle, turn the key to **MAR** and engage neutral by shifting the gearshift lever **A** to **N**.
If the electronic parking brake (**EPB**) is applied, you must release it, see on page 179.

WARNING: If you have to tow the vehicle with 2 wheels raised, make sure that the ignition key is in the STOP position. If this is not observed, when the MSP is active, the ECU will store a malfunction and the relative warning light will illuminate on the instrument panel display. This requires the intervention of your **Authorized Maserati Dealer** to reset the system.

When towing the vehicle, make sure that you observe the road traffic regulations concerning both the towing device and driving conduct.

When towing the vehicle with the engine off, remember that, without the assistance of the brake servo, a stronger effort is required on the brake pedal for braking and on the steering wheel for steering.

Screw down the towing hook into its seat (approx. 11 turns). Carefully clean the threaded seat before tightening the hook.

In the event of an accident

It is important to always stay calm.

– If you are not directly involved, stop at a distance of at least ten yards away from the accident area.
– If you are on a highway, stop without obstructing the emergency lane.
– Turn off the engine and switch on the hazard lights.
– At night, illuminate the accident area with the headlights.
– Always act with caution: you should not risk someone crashing into you.
– 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 highway, use a cell phone or the special call boxes, if provided.
– Remove the ignition key from the vehicles involved.
– If you smell fuel or other chemical products, 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.

If multiple accidents occurred on the highways, particularly where visibility is poor, there is a high risk of being involved in other collisions. Leave your vehicle immediately and move away from the area.

If there are 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 him/her to help with 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 if there is a risk of fire, sinking in water or the vehicle falling. When removing an injured person, do not pull his/her limbs, never bend his/her head and, as much as possible, keep his/her body in a horizontal position.

Capacities and technical specifications

Fuel Requirements

Octane Rating

Maserati engines are designed for optimum performance on unleaded premium gasoline
with an AKI octane rating of 91 or above. AKI (Anti Knock Index) is an average of the Research Octane Number, RON, and the Motor Octane Number, MON (RON + MON/2 gives you the AKI).

Unleaded Fuel

Maserati incorporates a catalytic converter system and you must only use unleaded gasoline. U.S. and Canadian regulations require that pumps delivering unleaded gasoline be labelled "UNLEADED". Only these pumps have nozzles which fit your vehicle's fuel filler inlet. It is unlawful to dispense leaded fuel into a vehicle labelled "unleaded gasoline only". Leaded gasoline damages the catalytic converter and heated oxygen sensor system. Repeated use of leaded gasoline will lessen the effectiveness of the emission control system and could result in loss of emission warranty coverage. State and local vehicle inspection programs will make detection of misfueling easier, possibly resulting in emission test failure for misfueled vehicles.

WARNING: Some U.S. & Canadian gasolines use an octane enhacing additive called Methy-Cyclopentadienyl Manganese Tricarbonyl (MMT). If such fuels are used your Emission Control System performance may be affected, and the check engine light located on the instrument panel/cluster assembly may illuminate (come ON). If the check engine light illuminates (comes ON), ensure to visit your authorized Maserati dealer for vehicle service.

Gasoline Containing Alcohol & Ethers ("Oxygenated Fuels"):

Some fuels in the U.S. and/or Canada, contain "oxygenates" which are usually alcohols or ethers. In some locations in the U.S. and/or Canada, state or local laws require that the fuel station fuel service pumps 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.

WARNING: Some geographical areas in the U.S. and/or Canada, 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.

WARNING: 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.

Tank capacity: approx. 23.78 US gallon (90 litres), including a 4.7 US gallon (18 litre) reserve.

Engine oil

To check the level, please see the "Maintenance" section.
Do not top up with oil having characteristics other than those of the oil already used in the engine.
The gap between the MIN and MAX reference marks on the dipstick corresponds to about 0.4 US gallon (1.5 litres) of oil.
Use SAE 5W/40 API SL/CF and ACEA A3, B3, B4 oil for fuel-powered engines.

Fuel consumption

The fuel consumption values shown in the following table were established based on homologation tests (your actual mileage may vary).

Fuel consumption (m.p.g. (USA))

	City	Highway
Version Quattroporte	13	19
Version Quattroporte S	14.31	25.51

WARNING: The type of route, traffic conditions, weather conditions, driving style, general condition of the vehicle, outfitting/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 and lead to consumption ratios differing from the reported ones.

Capacities: quantity and specifications of the products to use

Capacities and recommended products

Parts to be refilled	Version Quattroporte	Version Quattroporte S	Product specifications
	Quantity		
Fuel tank (including low fuel sector)	approximately 23.78 US gallon (90 litres)		Premium gasoline with a minimum of 91 AKI.
Low fuel	approximately 4.7 US gallon (18 litres)		
Engine oil:			Multigrade, fully synthetic lubricants with SAE 5W/40 grade, above the API SL/CF and ACEA A3, B3, B4 standards. Oil type Shell Helix Ultra or Q-Horse Power 5W-40. Api SM/CF Maserati approved
- periodic replacement	2.37 US gallon (9.0 litres)		
- top up from the MIN to the MAX level	0.4 US gallon (1.5 litres)		WARNING: Do not top up with oil having characteristics other than those of the oil already used. WARNING: Engine oil consumption depends on the driving style and the use of the car.
Windshield/headlight washer fluid tank	1.72 US gallon (6.5 litres)		Mix of water and windshield washer fluid, in the proportions indicated on the product package. Windshield washer fluid: Mix of CUNA NC 956-II surfactants and alcohols. Type recommended: DP1. WARNING: If the temperature is below -4 °F (-20 °C), use windshield washer fluid.

Specifications subject to change without notice.

Parts to be refilled	Version Quattroporte	Version Quattroporte S	Product specifications
	Quantity		
Engine cooling circuit	3.43 US gallon (13 litres)		Mix of water and coolant, in the proportions indicated on the product package. Coolant: Inhibited monoethylene glycol-based protective fluid with anti-freezing action: CUNA NC 956-16. Type Shell Glycoshell
Hydraulic power steering	-		Oil type: ATF DEXRON II D LEV, SAE 10W. Oil Type ATF Type A - MB 236.2 - ZF ML09/12 Shell Donax TM
Gearbox oil	2.65 US gallon (10.03 litres)		Oil type: SHELL M1375.4 DEXTRON III
Differential oil	0.26 US gallon (1 litres)		Oil type: SHELL SPIRAX S 75W140
Brake circuit and hydraulic clutch control	-		Synthetic fluid: NHTSA No. 116 DOT 4, ISO 4925, SAE J1703 J1704, CUNA NC 956-01. SAE J1703, FMVSS No. 116 DOT 4 and ISO 4925 Type Shell Donax UB (DOT 4 Ultra)
Air conditioning and system's coolant	0.28 US gal 0.13 +/-0.07 lb (1.050 cc 60 +/-30gr)	1,32 lb 0.13 +/-0.07 lb (600 gr 60 +/-30gr)	R134a (version Quattroporte) R134a PAG RL 897 (version Quattroporte S)
Air conditioning and system's compressor oil	0.033 US gal 0.05 +/-0.003 US gal (125 cc 200 +/- 10 ml)		Type: SP 10 (Sanden) (version Quattroporte) Oil type: Ucon RL 897 (version Quattroporte S)

Specifications subject to change without notice.

Technical specifications

Engine

General		Version Quattroporte	Version Quattroporte S
Type code		M139 A	M139 R
Cylinder number and position		8 - 90° V	8 - 90° V
Number of valves per cylinder		4	4
Bore and stroke	mm	92x79.8	94x84.5
Total displacement	cm^3	4,244	4,691
Compression ratio		11.058±0.2:1	11.02
Maximum power (EC)	kW HP	295 396	317 425
corresponding	r.p.m.	7,100	7,000
Maximum torque (EC)	Nm kgm	452 46	490 50
corresponding	r.p.m.	4,750	4,750

Injection – Ignition

The ignition and injection system is controlled by a single microprocessor ECU. This enhances engine performance, improving the handling of the vehicle, and reduces fuel consumption, by optimizing engine running with partial loads.

Injection

Version Quattroporte

– Type Bosch Motronic ME7.1.1.

Version Quattroporte S

– Type Bosch Motronic ME9.1.1.

Ignition

– Static ignition
– Ignition sequence: 1-8-6-2-7-3-4-5
– Ignition coil: ELDOR

Version Quattroporte

– Spark plugs: NGK PMR8B.

Version Quattroporte S

– Spark plugs: NGK PMR8C-H.

Battery

– FIAMM 12V 100 Ah 850A

Alternator

Version Quattroporte

– NIPPONDENSO 12V 150A

Version Quattroporte S

– NIPPONDENSO SC2 12V 150A

Lubrication system

The lubrication system is controlled by the wet sump system through an oil pump and the relative suction screen, incorporated in the crankcase.

Cooling system

Engine cooling is ensured by an anti-freeze mixture circulating inside a circuit equipped with radiator, centrifugal pump and expansion tank.

Transmission

Electro-hydraulically controlled gearbox with 6 gears, torque converter, lock-up clutch and anti-slip function.
Modular TRANSAXLE transmission shaft.
Traction system equipped with rear self-locking differential.

Gearshifting

Six forward speeds and one reverse.

Gear	Gearbox ratios	Total reduction ratios
1st gear	4.171	14.77
2nd gear	2.340	8.28
3rd gear	1.521	5.38
4th gear	1.143	4.05
5th gear	0.867	3.07
6th gear	0.691	2.45
Reverse	3.403	12.05

Differential
The ratios are:

Differential reduction ratio
13/46 = 3.54

Brakes

Service and emergency brakes
Self-ventilating disc brakes on the four wheels.
Two diagonally opposed and independent hydraulic control circuits.
Vacuum brake servo.
4-channel ABS system with Electronic Brake force Distributor (EBD).

Electric parking brake
The electric parking brake (EPB) acts on the rear wheels.
It is activated manually, by lifting the lever found in the center panel of the center console, see on page 179.

Suspension

Front and rear
Articulated quadrilateral suspension.
Skyhook suspension with adjustable damping
This system allows the driver to choose two settings for the shock absorbers, depending upon the roadway conditions, speed and comfort.

Speed-sensitive steering

Rack and pinion hydraulic steering, with crankshaft-driven pump and tank. Articulated steering column, with power absorption and adjustable inclination and height. Speed-sensitive, it gets more rigid as the speed increases.

– Steering diameter = 40.4 ft (12.3 m)
– Steering wheel turns = 1.5 (to the left and to the right)

Wheels

Rims and tires

	Version Quattroporte		Version Quattroporte S	
	Wheel rim size	**Tire size**	**Wheel rim size**	**Tire size**
front	8.5"J x 18"	245/45 ZR18	/	/
	8.5"J x 19" (+)	245/40 ZR19	8.5"J x 19" (+)	245/40 ZR19
	8.5"J x 20" (+)	245/35 ZR20	8.5"J x 20" (+)	245/35 ZR20
rear	10.5"J x 18"	285/40 ZR18	/	/
	10.5"J x 19" (+)	285/35 ZR19	10.5"J x 19" (+)	285/35 ZR19
	10.5"J x 20" (+)	295/30 ZR20	10.5"J x 20" (+)	295/30 ZR20
*front	8.5"J x 18"	245/45 VR18	/	/
	8.5"J x 19"	245/40 ZR19	/	/
*rear	10.5"J x 18"	285/40 VR18	/	/
	10.5"J x 19"	285/40 VR19		

* Winter tires
+ Wheel rims available on request

Run Flat (optional)

	Version Quattroporte		Version Quattroporte S	
	Wheel rim size	**Tire size**	**Wheel rim size**	**Tire size**
front	8.5"J x 18"	245/45 ZR18	/	/
	8.5"J x 19"	245/40 ZR19	8.5"J x 19"	245/40 ZR19
rear	10.5"J x 18"	285/40 ZR18	/	/
	10.5"J x 19"	285/35 ZR19	10.5"J x 19"	285/35 ZR19

Alternatively, winter tires having the same dimensions as those provided with the vehicle can be used .

The maximum speed reachable with winter tires is indicated by the tire manufacturer. Always comply with the regulations in force in the Country you are driving in.

WARNING: Subject to the prescribed dimensions, it is essential that tires of the same brand and type are fitted to all the wheels in order to help ensure safe driving.

WARNING: Do not use tubes on Tubeless tires.

Spare wheel (emergency wheel - optional)

Alloy wheel rim.

Version	**Wheel rim size**	**Tire size**	**Tire brand**
Quattroporte	6"J x 17"	185/60 R17	VREDESTEIN
Quattroporte S	6"J x 18"	175/55 R18	VREDESTEIN

Snow chains

Maximum radial protrusion permitted over the tire profile: 9 mm.

Rear tire	Snow chains: brand/type
285/40 ZR18	Konig/SUPER MAGIC

WARNING: The snow chains must be fitted only on rear tires. For purchasing snow chains, please contact your local **Authorized Maserati Dealer**.

Performance

	Version Quattroporte		Version Quattroporte S	
Maximum speed	**km/h**	**mph**	**km/h**	**mph**
	270	168	280	174

The maximum speed reachable with winter tires is indicated by the tire manufacturer. Always comply with the regulations in force in the Country you are driving in.

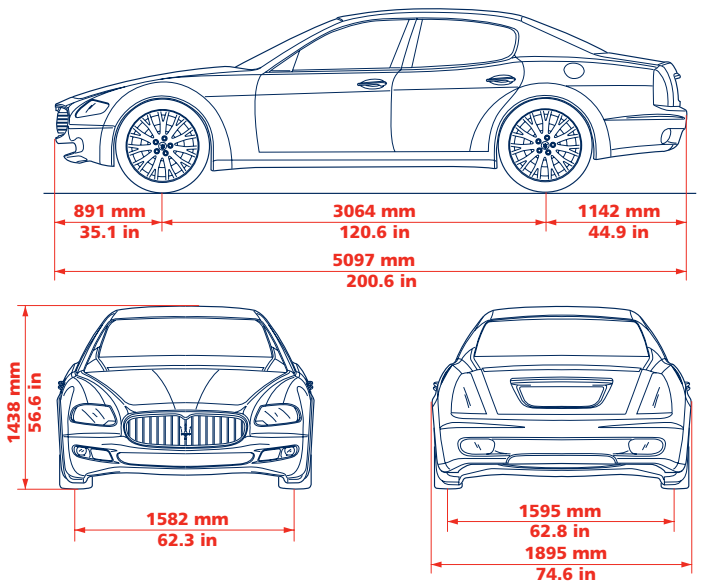
Accelerations in standing starts (in seconds)	Version Quattroporte	Version Quattroporte S
	0-60 mph (0-100 km/h)	**0-60 mph (0-100 km/h)**
	5.6	5.4

Weights

Weights	Version Quattroporte	Version Quattroporte S
Empty vehicle weight (with tanks filled, tools and accessories)	4,425 lb (2.010 kg)	4,425 lb (2.010 kg)
Weight with full load (5 persons plus luggage)	5,250 lb (2.385 kg)	5,250 lb (2.385 kg)

Dimensions

Luggage compartment volume (VDA standard): approx. 450 dm^3



Tire pressure

Tire inflation pressure when cold (bar).

	Version Quattroporte		Version Quattroporte S		Inflation pressure When cold (Bar)
	Wheel rim size	**Tire size**	**Wheel rim size**	**Tire size**	
front	8.5"J x 18"	245/45 ZR18	/	/	2.2
	8.5"J x 19"	245/40 ZR19 (+)	8.5"J x 19"	245/40 ZR19 (+)	2.2
	8.5"J x 20"	245/35 ZR20 (+)	8.5"J x 20"	245/35 ZR20 (+)	2.2
rear	10.5"J x 18"	285/40 ZR18	/	/	2.2
	10.5"J x 19"	285/35 ZR19 (+)	10.5"J x 19"	285/35 ZR19 (+)	2.2
	10.5"J x 20"	295/30 ZR20 (+)	10.5"J x 20"	295/30 ZR20 (+)	2.0
* front	8.5"J x 18"	245/45 VR18	/	/	2.2
	8.5"J x 19"	245/40 ZR19	/	/	
* rear	10.5"J x 18"	285/40 VR18	/	/	2.2
	10.5"J x 19"	285/40 VR19	/	/	
spare wheel (emergency wheel)	6"J x 17"	185/60 R17			2.2

* Winter tires
+ Tires available on request

Alternatively, winter tires having the same dimensions as those provided with the vehicle can be used.

The maximum speed reachable with winter tires is indicated by the tire manufacturer. Always comply with the regulations in force in the Country you are driving in.

Run Flat (optional)

	Version Quattroporte		Version Quattroporte S		Inflation pressure When cold (Bar)
	Wheel rim size	**Tire size**	**Wheel rim size**	**Tire size**	
front	8.5"J x 18"	245/45 ZR18	/	/	2.2
	8.5"J x 19"	245/40 ZR19	8.5"J x 19"	245/40 ZR19	2.2
rear	10.5"J x 18"	285/40 ZR18	/	/	2.2
	10.5"J x 19"	285/35 ZR19	10.5"J x 19"	285/35 ZR19	2.2

This is a high performance car. Tire wear will vary based on a number of factors including the type of driving. Check tires regularly for wear and replace as necessary.

Maintenance

Scheduled Maintenance Services

Correct maintenance is clearly the best way to ensure vehicle performance and safety features, ensure respect for the environment and low operating costs.

WARNING: Also remember that properly following the maintenance procedures is essential for the validity of the warranty.

For this reason, MASERATI has provided for a series of checks and maintenance operations involving the 1st service when the vehicle mileage reaches 12,500 mi. (20,000 km) or after 2 years of the vehicle's life, and every 12,500 mi. (20,000 km) or 2 years thereafter, whichever occurs first.

After the 12th maintenance service

After the 12th service, maintenance must be restarted with the operations scheduled for the 1st, 2nd and 3rd service.

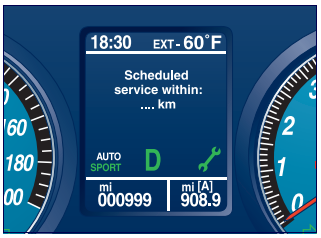
WARNING: The Scheduled Maintenance services are prescribed by the Manufacturer. Failure to have the services carried out may invalidate the warranty.

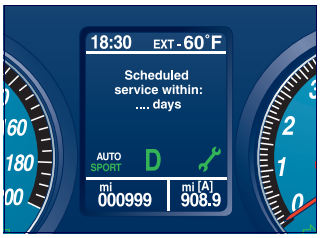
WARNING: You are advised to notify your local **Authorized Maserati Dealer** of any minor operating problems, without waiting for the next service.

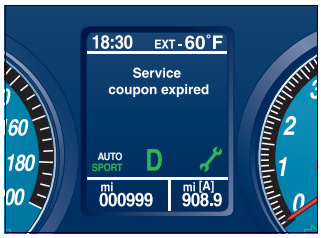
When the deadlines for Scheduled Maintenance are approaching, a message on the display indicates that maintenance service is due. The deadline may be expressed in mi/km or days, whichever comes first.
The message is displayed only once, upon activating the instrument panel, at decreasing intervals expressed in mi/km (1800, 1600, ... 100, 50) or in days (27, 24, ... 6, 3), accompanied by a specific symbol (wrench):
When the number of kilometers/miles or the expiry day for servicing has been reached, every time the instrument panel activates, the message "Service Coupon Expired" will be displayed.

Select "INFO SERVICE" on the Bose® Infotainment system to view the next deadline for maintenance service (see the section 4 "Navigation" of the Bose® Infotainment). The number of miles/kilometers left before reaching the maintenance service deadline is always indicated. The days remaining before the scheduled date instead, are only indicated starting from the 511th day (approximately 17 months).

WARNING: Every time the battery is disconnected, the Bose® Infotainment system must be set following the instructions in the "Bose® Infotainment" manual, section 4, "Navigation". Failure to reset the system may cause it to malfunction and indicate wrong maintenance service intervals.







Main operations to be carried out at the indicated kilometers/mileage

Main operations	Service	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
	Mileage (x thousands)	12.5											
	Kilometers (x thousands)	20 or 2 years whichever occurs first											
Belt for alternator, air conditioning compressor and hydraulic steering control		I	I*	I	I*	I	I*	I	I*	I	I*	I	I*
		Replace at least every 2 years											
Poly-V flexible control belt for water pump		I	I	I	I	R	I	I	I	I	R	I	I
		Replace every time the part is removed											
Engine oil and filter		R	R	R	R	R	R	R	R	R	R	R	R
		Replace at least every 2 years											
Cooling system connections and lines		I	I*	I*	I*	I*	I*	I*	I*	I*	I*	I*	I*
Air filter		R	R*	R	R*	R	R*	R	R*	R	R*	R	R*
Fuel injection system's connections and lines		I		I*		I		I*		I		I*	
Ignition system: cables and connections		I		I*		I		I*		I		I*	
Spark plugs							R						R
Active carbon filter and oxygen sensors								R					
		Replace at least every 4 years											
OBDII system's filter replacement				R		R		R		R		R	
		Replace at least every 4 years											

I = *Inspect and carry out any other necessary operation* **A** = *Adjust* **R** = *Replace*

Main operations	Service	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
	Mileage (x thousands) Kilometers (x thousands)	12.5 20 or 2 years whichever occurs first											
Air injection system: connections and pipes valves		I	I	I	I	I	I	I	I	I	I	I	I
Blow-by system				I		I		I		I		I	
Fuel vapor filter							R					R	
Fuel emission control system: lines, connections and valves			I		I		I		I		I		I
Gearbox oil		I	I	I	I	I	I	I	I	I	I	I	I
Differential oil		I	I	I	I	I	I	I	I	I	I	I	I
Hydraulic steering fluid level (bleed if necessary)		I	I	I	I	I	I	I	I	I	I	I	I
		Replace every 2 years											
Engine coolant level		I	I	I	I	I	I	I	I	I	I	I	I
		Replace every 2 years											
Brake fluid level (bleed if necessary)		I	I	I	I	I	I	I	I	I	I	I	I
		Replace every 2 years											
Braking system: lines, calipers, connections Efficiency of the dashboard warning lights Handbrake operation		I	I	I	I	I	I	I	I	I	I	I	I

I = *Inspect and carry out any other necessary operation* **A** = *Adjust* **R** = *Replace*

Main operations	Service	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
	Mileage (x thousands) Kilometers (x thousands)	12.5 20 or 2 years whichever occurs first											
Wear condition of the braking parts (disks, pads); replace if necessary		I	I	I	I	I	I	I	I	I	I	I	I
Joints for front and rear suspensions, front and rear under-chassis – tightening torques		I	I	I	I	I	I	I	I	I	I	I	I
Steering system components, joint protection, rack boots on the steering levers and on the axle shafts		I	I	I	I	I	I	I	I	I	I	I	I
Tightening of screws, nuts and bolts (including those for the exhaust system), connections, retaining clips and clamps		I	I	I	I	I	I	I	I	I	I	I	I
Pollen filter		R	R	R	R	R	R	R	R	R	R	R	R
		Replace every 2 years. In the event that the vehicle is frequently used in dusty or strongly polluted environments, a more frequent replacement is recommended											
Starter motor and alternator: power absorption and charge				I		I		I		I		I	
Vehicle geometry check		I	I	I	I	I	I	I	I	I	I	I	I
Controls and adjustment systems in general, hinges, doors, front and rear lid		I	I	I	I	I	I	I	I	I	I	I	I

I = *Inspect and carry out any other necessary operation* **A** = *Adjust* **R** = *Replace*

Main operations	Service	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
	Mileage (x thousands) Kilometers (x thousands)	12.5 20 or 2 years whichever occurs first											
Correct operation and reliability of the seats and seat belts		I	I	I	I	I	I	I	I	I	I	I	I
Setting the weight sensors (USA version only)		I	I	I	I	I	I	I	I	I	I	I	I
		Check every 2 years											
Fastening screws and nuts on the bodywork		I		I		I		I		I	I	I	I
Headlight aiming		I	I	I	I	I	I	I	I	I	I	I	I
Proper condition of chassis and protected areas		I	I	I	I	I	I	I	I	I	I	I	I
		Check every 2 years											
Leather interiors treatment		I	I	I	I	I	I	I	I	I	I	I	I
Vehicle road test (any time this may be necessary)		I	I	I	I	I	I	I	I	I	I	I	I
Check with SD3 diagnostic system		I	I	I	I	I	I	I	I	I	I	I	I

I = *Inspect and carry out any other necessary operation* **A** = *Adjust* **R** = *Replace*

*All the operations marked with and asterisk **(*)** are not mandatory but rather recommended, in the event that the vehicle is frequently used in heavy-traffic conditions or on dusty or sandy roads.*

*The warranty concerning emissions and the Manufacturer's responsibility to recall the vehicle in case of problems shall not be invalidated if the Customer does not carry out the operations marked with the asterisk **(*)**.*

Additional operations

Every 300 mi. (500 km) or before long journeys, check and if necessary restore:

– engine coolant level
– windshield washer fluid level
– tire pressure and condition
– engine oil.

WARNING - Engine oil

If the vehicle is used mainly in one of the following particularly severe conditions:

– dusty roads
– short repetitive trips (less than 5-6 mi) when the external temperature is below zero
– engine running frequently at idle speed or without reaching steady operating temperatures

replace the engine oil more frequently than indicated on the Maintenance Schedule.

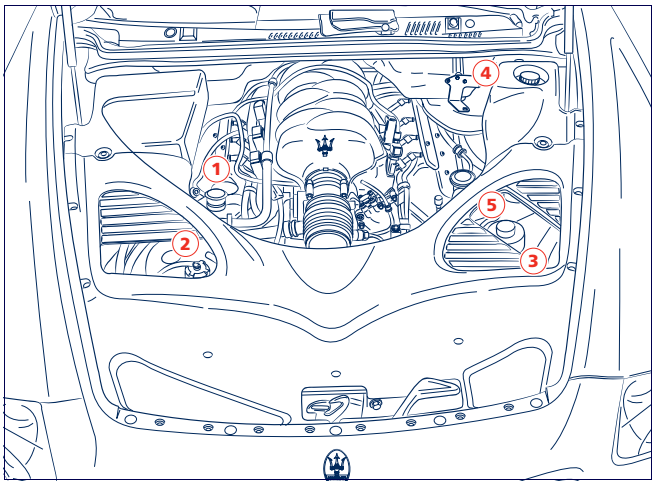
WARNING - Air filter

When using the vehicle on dusty roads, replace the air filter more frequently than indicated on the Maintenance Schedule.
Contact your local **Authorized Maserati Dealer** if you have any doubts about the frequency for the engine oil and air filter replacements, in relation to the vehicle's conditions of use.

WARNING: All maintenance operations for the vehicle must be carried out by your local **Authorized Maserati Dealer**. For those routine and minor maintenance operations which you can carry out yourself, make sure that you always use suitable equipment, original Maserati spare parts and the prescribed fluids; in any case, never carry out these operations if you are not experienced.

Level checks

1) Engine oil
2) Engine coolant
3) Windshield washer fluid
4) Fluid brakes
5) Power steering fluid



Engine oil

The level must be checked with the vehicle on a flat surface, following the procedure below:

– Warm-up the vehicle until reaching the standard operating temperature
– Stop the engine, remove the filler cap **A** and wait 5 minutes to allow the oil to flow into the sump
– Measure the level and top up if necessary.

The oil level must be between the **MIN** and **MAX** reference on the dipstick. The gap between **MIN** and **MAX** corresponds to about 0.4 US gallon (1.5 litres) of oil.

WARNING: Do not exceed the **MAX** level!

If the oil level is close to or below the **MIN** level notch, top up to the **MAX** notch through the filler neck positioned next to the dipstick and closed with the cap **A**. The oil level should never exceed the **MAX** reference mark.

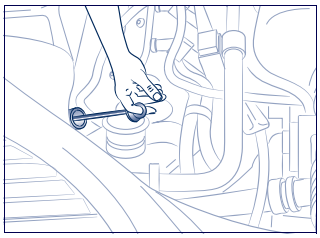
WARNING: Do not top up with oil having characteristics other than those of the oil already used in the engine.

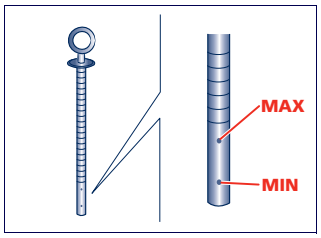
After topping up, the engine oil level warning light may not go off for some time while the system is performing the necessary tests. This is to be considered normal.

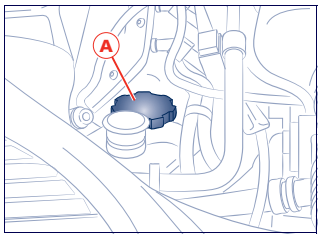
After having topped up or replaced the oil, check its level once again.

WARNING: The engine oil used and the oil filter replaced contain substances that are dangerous for the environment. For replacing the oil and the filters you are advised to contact your local **Authorized Maserati Dealer**, where all the necessary equipment is available to dispose of the used oil and filters in compliance with the regulations in force and in an environment-friendly manner.

Used engine oil contains chemicals that have caused cancer in laboratory animals. Always protect your skin by washing thoroughly with soap and water.







Level checks

Gearbox oil

Contact your local **Authorized Maserati Dealer** for the oil level check.

WARNING: Do not top up with oil having characteristics other than those of the oil already used in the gearbox.

WARNING: Used gearbox oil contains substances that are dangerous for the environment. For replacing the oil, you are advised to contact your local **Authorized Maserati Dealer**, where the necessary equipment is available to dispose of the used oil in compliance with the regulations in force and in an environment-friendly manner.

Engine coolant

When the engine is very hot, do not remove the cap from the tank: risk of burns!

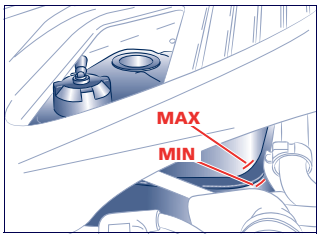
The fluid level must be checked when the engine is cold, and it must fall between the **MIN** and **MAX** references marked on the tank.
If the level is low, slowly pour the prescribed fluid through the filler neck on the tank until the level is close to the **MAX** reference point.

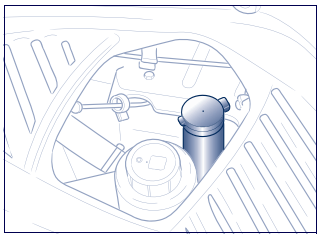
Windshield/headlight washer fluid

To top up with fluid, open the cover, pull out the filler neck extension and pour in a mixture of water and windshield washer fluid, in the proportions indicated on the product's packaging.

WARNING: If the temperature is below -4°F (–20°C), use pure windshield washer fluid.

WARNING: Do not drive with the windshield washer reservoir empty: the action of the washer is essential for improving visibility.





Level checks

Power steering fluid

WARNING: Make sure that the power steering fluid does not come in contact with the engine hot parts as it is flammable.

With the vehicle on a level ground and the engine cold, check that the fluid level corresponds with the **MAX** notch on the tank cap dipstick.
To carry out the check, unscrew the cap, clean the dipstick, tighten the cap back on tight, remove it again and check the level.
When the oil is hot, the level may even exceed the **MAX** notch.
If necessary, top up with fluid making sure that it has the same characteristics as the one already used in the system.

Brake fluid

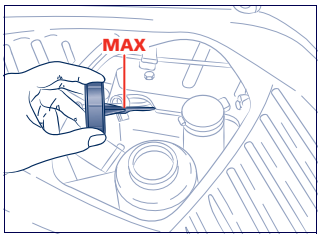
Check that the fluid level in the tank is at the maximum level. If the level drops below the minimum level, with the ignition key turned to **MAR (ON)**, the warning light **BRAKE** illuminates on the instrument panel.

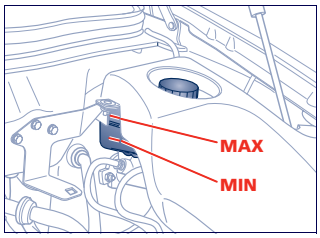
If fluid is needed, use only the type classified as DOT4.

WARNING: The brake fluid is hygroscopic (i.e., it absorbs moisture). For this reason, if the vehicle is used mainly in areas with a high rate of atmospheric humidity, the fluid should be changed more frequently than indicated in the Maintenance Schedule.

WARNING: Do not let the brake fluid, which is highly corrosive, come into contact with the paintwork. If this should happen, wash the paintwork immediately with water.

WARNING: The symbol on the container 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 beyond repair.





Level checks

Air filter

Contact your local **Authorized Maserati Dealer** to have the air filter replaced.

Dust/pollen filter

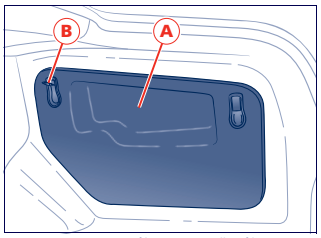
This filter performs mechanical/electrostatic air filtering, provided that windows and doors are completely closed.
Have your dust/pollen filter replaced at least once a year at your local **Authorized Maserati Dealer,** preferably at the beginning of the summer period.
If the car is mainly used in the city traffic, on highways or dusty roads, we recommend to replace the filter more frequently than prescribed in the Maintenance Schedule.

WARNING: Failure to replace the filter may considerably reduce the air conditioning and heating system efficiency.

We recommend that you replace the dust/pollen filter at your local Authorized Maserati Dealer.

Battery

The battery fitted is of the "low maintenance" type, and is located on the right-hand side of the luggage compartment.
To access the battery, remove the cover **A** by lifting the fastening hooks **B**.
The battery fluid (electrolyte), with the vehicle level, must always fall between the reference marks **MIN** and **MAX** on the battery.
In the event that the level is below the **MIN** reference mark, please contact your local **Authorized Maserati Dealer** to have the system checked.
To recharge the battery, see the section "In an emergency".

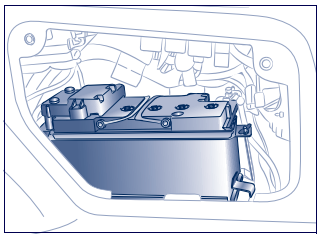


Air filter / Dust/pollen filter / Battery

The fluid contained in the battery is poisonous and corrosive. Avoid contact with the skin and eyes. Do not approach the battery with open flames or possible sources of sparks: risk of explosion and fire.

Batteries contain substances that are very harmful to the environment. To replace the battery, please contact your local **Authorized Maserati Dealer**, where the battery will be disposed of in full compliance with the regulations in force and in an environment-friendly manner.

Battery posts, terminals and related accessories contain lead and lead compounds. Wash your hands after handling.



Battery

WARNING: Incorrect assembly of electrical and electronic accessories can cause serious damage to the vehicle.

WARNING: Ventilation hose: The battery generates hydrogen gas, which is flammable and explosive. The battery is fitted with a ventilation hose which vents hydrogen gas out of the battery compartment throught a ventilation opening in the bottom of this compartment. If the battery must be replaced, it is essential that the ventilation hose is properly connected to the battery and that it is routed through the ventilation opening provided.
Be sure the ventilation hose is free of the debris. Only use replacement batteries equipped with a ventilation hose. Consult your local **Authorized Maserati Dealer**.

Useful advice for extending the life of the battery

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 (for example the radio, the hazard warning lights, the fan, etc.).

WARNING: If the battery charge remains below 50% for a long period of time, it will be damaged due to sulphating; its performance and starting power will be reduced and it will be more subject to freezing (this can happen even at 14°F / -10°C).

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 if when the ignition key is removed. This applies above all if these devices have been retrofitted ("After market" services).
If the vehicle is not used for long periods of time, please refer to the section “If the vehicle is not used for long periods”, in this section.

WARNING: If additional systems have to be fitted in the vehicle, there is the risk of creating dangerous connections on the electric wiring, in particular if the safety devices are involved.

Electronic control units

No special precautions are required for the normal use of the vehicle.
In case of repairs to the electrical system or in an emergency starting, the following instructions must be strictly followed:

- Never disconnect the battery from the electrical system when the engine is running.
- Disconnect the battery from the electrical system when recharging it.

WARNING: When the battery is disconnected, you must first detach the negative terminal (–) and then the positive one (+).
When the battery is reconnected, you must first attach the positive (+) and then the negative one (–).

- Never carry out an emergency start with a battery charger: always use an auxiliary battery.
- Take special care when connecting the battery to the electrical system, checking both for correct polarity and for proper connection.
- Do not connect or disconnect the terminals of the electronic control units when the ignition key is in the **MAR** (**ON**) position.
- Do not check the electric polarities through sparking.
- Disconnect the electronic control units when carrying out electric weldings on the body. Remove them if the temperature is over 176 °F (80°C) (special interventions on the bodywork, etc.).

WARNING: Incorrect installation or modifications to the radio and alarm systems may interfere with the proper operation of the electronic control units.

WARNING: Changes or repairs to the electrical system carried out in an incorrect manner or without taking into account the technical specifications of the system may cause operating anomalies with the risk of fire.

WARNING: If you need to wash the engine compartment, do not direct the jet of water for too long directly on the engine compartment ECU.

Spark plugs

It is essential that the spark plugs are sound and clean for the engine to work efficiently and to ensure that polluting emissions are kept to a minimum level.

WARNING: The spark plugs must be changed at the intervals specified in the Maintenance Schedule. Only use the prescribed spark plugs: faults may arise if the heat rating is unsuitable, or if the specified working life is not ensured.

Wheels and tires

To help obtain optimum performance and the longest mileage from the tires, comply with the following precautions during the first 300 miles (500 Km):

- **do not drive at maximum allowed speed**
- **drive on curves at low speed**
- **avoid sudden steering**
- **avoid sudden braking**
- **avoid sudden accelerations**
- **do not drive at high speeds for too long.**

How to use the tires

WARNING: The tires must be constantly kept in good conditions to help ensure safe driving. Always check your tires regularly for tread wear.

The tires inflation pressure must correspond to the prescribed values 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.
Insufficient tire inflating pressure can cause tire overheating and possible internal damages, which may even lead to the tire destruction.

Check the inflating pressure of the tires when cold, at least every two weeks and before long trips.

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 personnel, 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 sidewalls, alongside possible bulging, are a sign of deterioration.

Have the old tires inspected by an experienced tire person, 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 person. Always follow the tire manufacturer's recommendations.

Never fit tires of uncertain origin.

"Directional" tires have an arrow on their sidewall 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 "non-directional" tires.

Check the depth of the tire tread at regular intervals (minimum allowed value 0.063 in / 1.6 mm). The thinner is the tread, the greater is the risk of skidding.

Drive carefully on wet roads to decrease the risk of aquaplaning.

Windshield wipers

Clean the rubber parts regularly using the specific products.
Replace the blades if the edge of the rubber is deformed or worn. In any case, the blades should be replaced approximately once a year.

Travelling with worn wiper blades is very dangerous because it reduces the visibility in the event of poor atmospheric conditions.

The windshield wiper arms have to be replaced with new ones after two disassembling operations. The special arm fixing system helps ensure the proper mechanical stability only for the first two refitting operations, provided that the specified tightening torque is observed.

We recommend therefore that you have any interventions involving the removal of the windshield wiper arms carried out at your local Authorized Maserati Dealer.

Some simple measures may reduce the possibility of damage to the blades.

– In the case of temperatures below freezing, check that ice has not stuck the rubber part against the windshield. If necessary, use an anti-freeze product to detach it.
– Remove any snow that has accumulated on the windshield: as well as protecting the blades, this avoids forcing and overheating the wiper's electric motor.
– Do not operate the wipers when the windshield is dry.

Spray nozzles

If the spray nozzle does not work, first check that there is fluid in the tank (see "Level checks" in this section) then check that the nozzles are not clogged.

Replacing the windshield wiper blades

Due to the difficulty of this operation, we recommend that you contact your local **Authorized Maserati Dealer** for replacement.

Air conditioning system

During the winter, the air conditioning system should be operated at least once a month for about 10 minutes. Before the summer season, have the system checked by your local **Authorized Maserati Dealer**.

WARNING: The system uses R134a type coolant that, in the event of accidental leakage, is not harmful for the environment. Under no circumstances should you use R12 coolant that, in addition to being incompatible with the system components, contains chloroflurocarbons (CFCs).

Bodywork

Protection from atmospheric agents

The main causes of corrosion are:

– atmospheric pollution
– salt and humidity in the atmosphere (marine areas or a damp climate)
– seasonal environmental conditions.
– salt used to remove snow/ice from roads.

The abrasive action of wind-carried atmospheric dust and sand, mud and stones should not be underestimated.
On your vehicle, MASERATI has adopted technological solutions to help 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) sheet metal which is 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 fenders, 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.

Advice for keeping the bodywork in good condition

Paint

The paintwork does not only have an aesthetic function but also serves to help protect the sheet metal. 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 label applied on the engine compartment lid.

Normal paint maintenance consists in washing, the frequency of which depends on the conditions of use and of the environment. For example, 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.

WARNING: Detergents pollute water. Therefore the vehicle should be washed in areas equipped for the collection and purification of the fluids used for washing.

WARNING: If you are washing the vehicle with roller brushes, you must protect the edges of the rear, lateral brand symbols with tape, to prevent it from being detached by the revolving brushes.

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.
Do 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.

WARNING: Bird droppings must be washed off immediately and thoroughly, since their acidity is particularly corrosive.

WARNING: To provide better protection for the paint, polish the vehicle at intervals with a suitable product leaving a protective film on the paint.

Windows

To clean the windows use appropriate glass cleaners.
Only use clean cloths so as not to scratch the windows or rendering them less transparent.

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 ECUs on the left-hand side, next to the brake fluid tank, and on the relay and fuse boxes on the right-hand side of the engine compartment (driving direction). To perform this operation, you must contact a specialised workshop.

WARNING: Wash only when the engine is cold and with the ignition key turned to STOP. After washing, make sure that the various protections (e.g. rubber boots/caps, guards etc.) have not been removed or damaged.

Interior

Check at regular intervals that there is no water trapped under the mats (due to wet shoes, umbrellas etc.) which may cause the metal parts to oxidize.

Cleaning the leather upholstery

– Remove the dry dirt with a damp buckskin leather or cloth, without rubbing too hard.
– Remove liquid or grease stains with a dry absorbent cloth, without rubbing.
– Then wipe with a soft cloth or buckskin damped with water and neutral detergent.
– If the stain persists, use special products paying attention to the instructions for use.

WARNING: Never use alcohol, alcohol-based products or solvents.

Leather upholstery treatment

Have the leather upholstery only treated, as provided in the Maintenance Schedule, by your local **Authorized Maserati Dealer** which has the required specific products.

Parts in premium quality wood

Remove any dirt with a buckskin leather or damp cloth.

WARNING: Do not use alcohol, petrol or solvents to clean the instrument panel's transparent cover.

Do not keep aerosol cans in the vehicle. Risk of explosion. Aerosol cans should never be exposed to a temperature above 122°F (50°C). The temperature inside the vehicle when exposed to the sun may easily exceed this threshold.

If the vehicle is not used for long periods

If the vehicle is not going to be used for several months, 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), then turn the key to position STOP.
- Disconnect the battery.
- Check the battery charge condition. This check should be carried out monthly while the vehicle is stored. Recharge the battery if the load-free voltage is below 12.5 V.
- Check that the handbrake is not engaged.
- 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 cover in transpirating fabric (available from your local **Authorized Maserati Dealer**). 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 14.50 psi (1 bar) higher than the normally prescribed one, and check it at regular intervals.

The tire pressure must be brought back to the prescribed value before reusing the vehicle.

- Do not empty the engine cooling system.

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 it replaced if necessary.

– Check the conditions of the engine belts.
– Reconnect the battery after having checked its charge condition and carry out the initialization procedures where required. You can consult the chapter “Reconnecting the battery” in this section for further information on this subject.
– With the gearshift in neutral (N), let the engine idle for several minutes.

This procedure must be performed outdoors. Exhaust gases contain carbon monoxide which is strongly toxic and potentially lethal.

Reconnecting the battery

– Open the luggage compartment lid with the key;
– connect the battery;
– unlock and lock the doors using the remote control;
– turn on the Bose® Infotainment and set the date and time following the instructions given in the section 7 "Options" in the "Bose® Infotainment" manual.

WARNING: Every time the battery is reconnected, wait at least 30 seconds with the ignition key turned to **MAR (ON)** before starting the engine, in order to allow the electronic system that manages the motor-driven throttles to run a self-learning cycle. At the same time, you can perform the set-up procedure for the "Bose® Infotainment" system.

WARNING: Every time the battery is reconnected the warning lights PARK and Ⓟ! flash for about 10 seconds and then go off.

Conversion table

		Distance			
1 km	=	0.6214 mi	1 mi	=	1.609 km
1 m	=	3.2808 ft	1 ft	=	0.3048 m
1 m	=	1.0936 yd	1 yd	=	0.9144 m
1 cm	=	0.3937 in	1 in	=	2.54 cm
		Volume			
1 l	=	0.2642 US gallon	1 US gallon	=	3.785 l
		Weight			
1 kg	=	2.2046 lb	1 lb	=	0.4536 kg
		Power			
1 kW	=	1.341 hp	1 hp	=	0.746 kW
		Pressure			
1 bar	=	14.5 psi	1 psi	=	0.0689 bar
		Consumptions			
1 km/l	=	0.4251 mpg	1 mpg	=	2.3524 km/l

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Owner

Address

License plate

Registration no.

Engine identification no.

Paint identification no.

Code number of spare parts

Because of the evolutions of the MASERATI products, which are continually developed and perfected, MASERATI S.p.A. reserves the right to make modifications to this manual as well as to the technical contents, functions and equipment of the vehicles delivered.

Therefore, the user is not entitled to any claims based on the contents (texts, data, illustrations, explanations and regulations) in this manual, which are based on the data known at the time of going to print.

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