MASERATI

EXCELLENCE THROUGH PASSION

QUATTROPORTE AUTOMATIC

MASERATI

QUATTROPORTE AUTOMATIC

Owner's Manual

Dear Customer,

thank you for choosing a **MASERATI**.

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

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

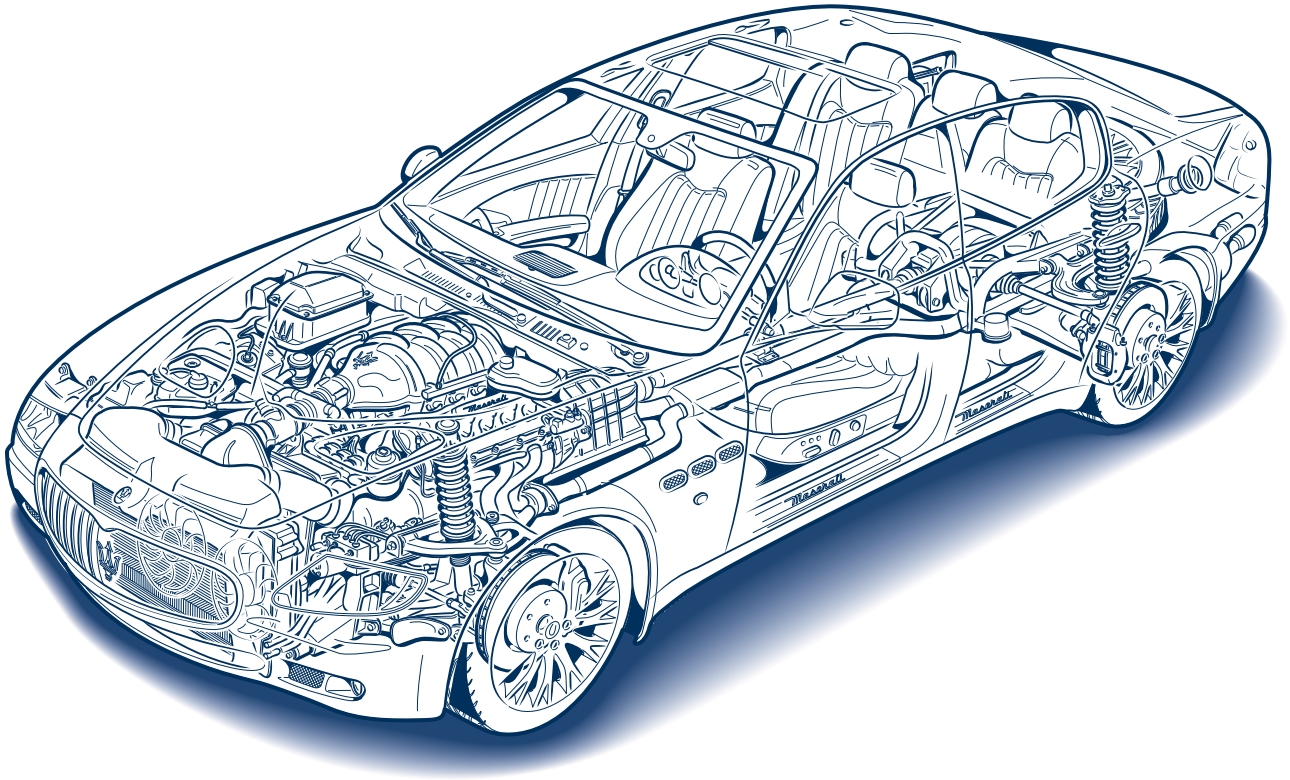
In the final section of this manual you will also find instructions for basic maintenance procedures, which are needed to ensure steady levels of performance, quality and safe driving.

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 Service Network**: you can trust our 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, Type 26: debut and victory of a vehicle sporting the Trident symbol on front lid, 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 landspeed 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 those in Belgium and Nice.

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

1939
Wilbur Shaw on a 8CTF wins the Indianapolis 500 Miles: 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 saloon 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 saloon 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 Customisation Programme.

2001
Production begins of the Spyder with eight-cylinder engine, 4200 and the electro-hydraulic paddle-shifted 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.

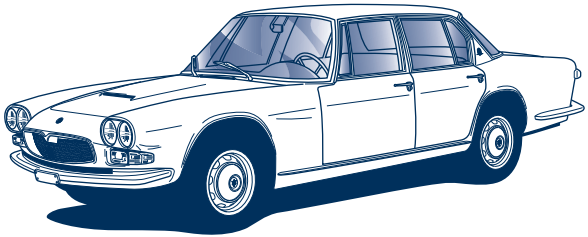
2005
Maserati wins the FIA GT championship with the MC12.

2006
The Quattroporte with automatic gearbox is presented.

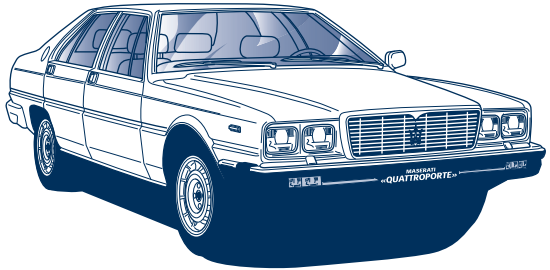
2007
The Granturismo, Coupè 2+2 world debut.

2009
A 2+2 spider vehicle comes into production with the GranCabrio.

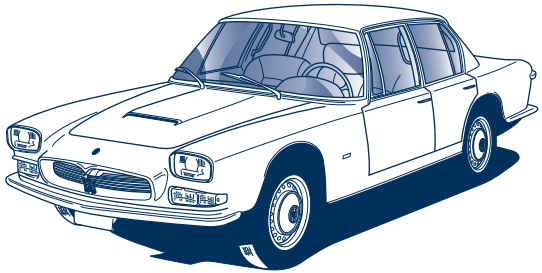
2010
The MC Stradale enters production.



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.

ECU - ELECTRONIC CONTROL UNIT.

EPB - ELECTRIC PARKING BRAKE.

ESC - ELECTRONIC STABILITY CONTROL – Anti-jawing control system.

ETD - EMERGENCY TENSIONING DEVICE – Seat belt pretensioner system.

HBA - HYDRAULIC BRAKE ASSISTANCE – Assistance system during emergency braking

TPMS - TYRE PRESSURE MONITORING SYSTEM.

Updating

The vehicle's high quality level is guaranteed by constant improvements. Therefore, there may prove to be differences between this manual and your vehicle.
All specifications and illustrations contained in this manual refer to those resulting as of the printing date.

Service

The information contained in this manual is limited to those instructions and indications that are strictly required for the use and proper 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 **Maserati Service Network Centres**, where you will find specialized staff using suitable equipment.
See the "SALES AND SERVICE ORGANIZATION" manual for locations of AUTHORISED MASERATI DEALERS AND SERVICE CENTRES.
The **Maserati Service Network** 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 user of the gearbox system, follow the instructions given in the specific chapter of this manual.

Multi Media System

The vehicle is equipped with the Maserati infotelematics "Multi Media System" which includes the following standard features:

– on-board computer;
– satellite navigation system (where digital maps are available);
– Bose® Surround Sound System;
– single CD/MP3 reader;
– Hard Disk capacity of 30 GB in total, of which around 10 GB are taken up by the operating software and by the other functionalities;
– Bluetooth®.

On request, the range of functions can be further enriched with the AUX and USB sockets (however, these optionals may vary depending on the model and market availability).

“Run Flat” tyres (optional)

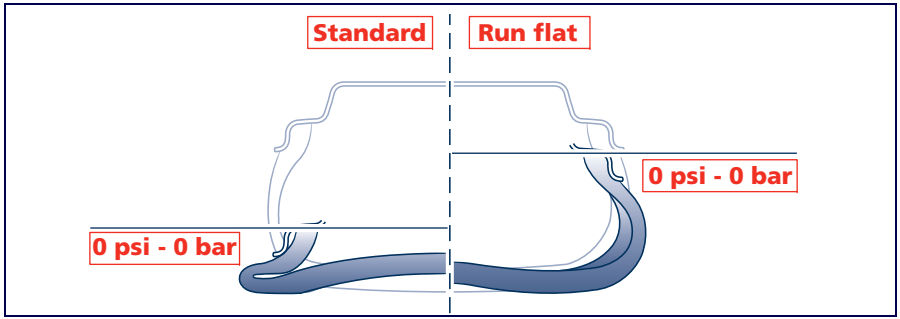
The vehicle can be fitted with “Run Flat” tyres. This kind of tyre is equipped with reinforced sidewalls which permit the vehicle to continue travelling at a moderate speed 80 km/h - 50 mph), even in the event of a puncture, for a set distance.
When the control panel receives the “punctured tyre” information from the tyre pressure ECU, it monitors the residual tyre life by showing a warning signal in the relevant area on the display at the following intervals: after 50 km and 100 km (31 mi and 62 mi).

After 120 km (75 mi), the warning not to continue will be displayed.
For further information on the display, please refer to chapter: “Tyre pressure monitoring system” on page 51.

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 tyres.

Towing the vehicle

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



Symbols

There are specific coloured plates 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 at 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 naked 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 converter
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 then 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".

Windscreen solvent/washer
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 use lead-free gasoline with an octane number (R.O.N.) of no less than 95.

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.

Contents

Vehicle identification data

Identification plates

Chassis marking

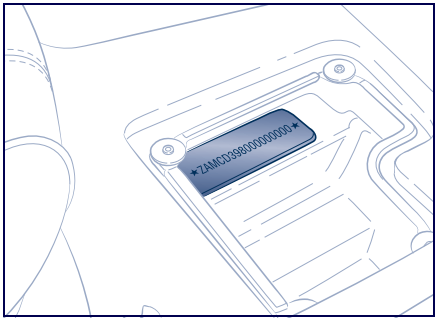
The vehicle's registration number is punched on the underfloor, in front of the right-hand front seat.
To read the number, lift the mat and remove the guard.

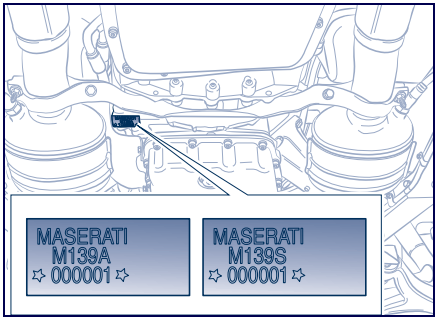
Engine marking

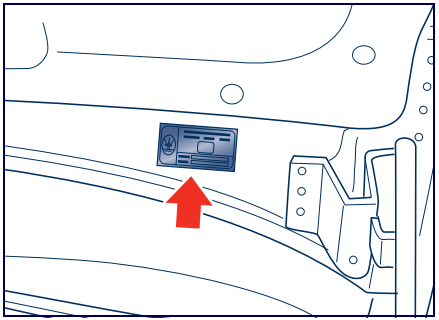
The engine serial number is punched on the lower part of the crankcase, in the starter motor area.
The engine type is indicated on the plate positioned on the front, left-hand door's ledge.

Paint identification plate

The plate is applied onto the engine compartment lid.







Identification plates

Vehicle identification plate

The plate is fitted on the front left-hand door's ledge and it shows the following details:

A - Manufacturer's name.

B - Homologation number.

C - Serial Number (V.I.N.).

D - Maximum admissible weight.

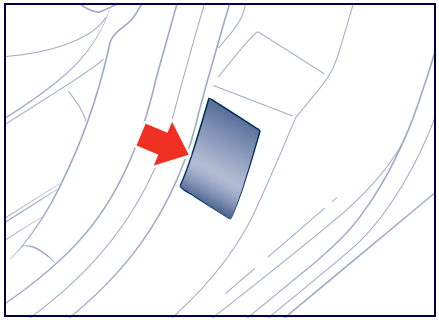
E - Maximum admissible weight on first (front) axle.

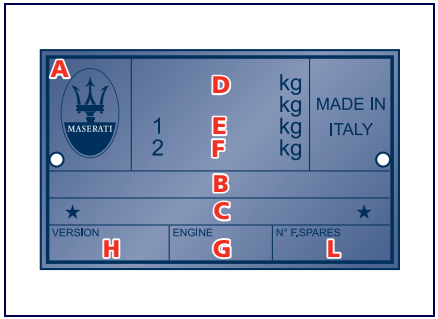
F - Maximum admissible weight on second (rear) axle.

G - Engine type.

H - Vehicle version code.

L - Assembly Number.





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”;

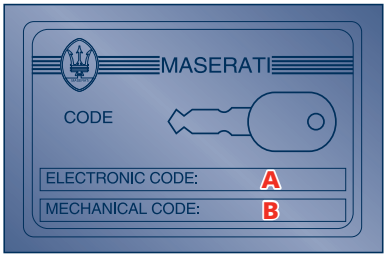
– the mechanical key code **B** to be given to the **Maserati Service Network** when ordering duplicate keys.

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.



Key codes

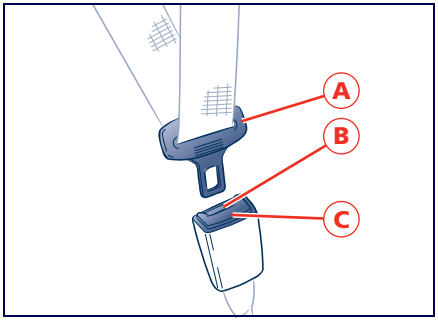
Active and passive safety

Seat belts

The vehicle is equipped with seat belts with automatic retractor 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 linked to the seat, in order to ensure optimal protection, whatever the seat position.
All the seat belts, excluding the driver's seat and the rear central seat, are equipped with KISI system.
The KISI system uses special seat belt retractors that, when they are fully unwound, they only allow the seat belts to be rewound. This system allows the child seat to be properly anchored to the seat. The system deactivates after unfastening the seat belt, and allows it to be fully retracted to its original rest position.

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**.
The vehicle is equipped with an SBR (Seat Belt Reminder) system, which warns the driver when the seat belt is not fastened by sounding an acoustic warning at the same time turning on the warning light on the instrument panel .



The retractor locking device is activated 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 allows the belt to automatically fit to the passenger's body, allowing him/her to move freely.
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

The seat belts height must be adjusted 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 reduce the risk of injury in a collision substantially.
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.

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

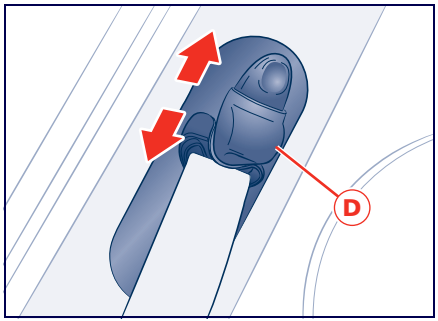
After the adjustment, always check that the cursor to which the oscillating ring is fixed, is locked into one of the positions provided. Therefore, with the handgrip released, push again downwards to allow the anchoring device to click into place, in the event that it has not been released in one of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

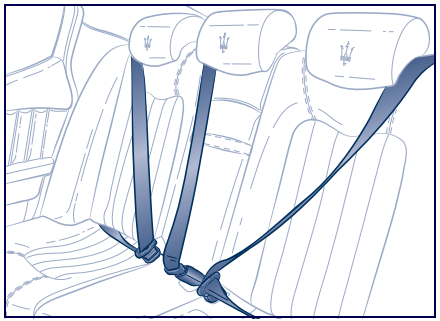
Using the rear seat belts

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 injuries 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.





Seat belts

Load limiting devices

To increase passive safety levels, the seat belt retractors are equipped with a load limiting device which makes it possible 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 action of the seat belts, the vehicle seat belts (except for the rear central one) are equipped with pretensioners.
These devices "detect", by means of a sensor, that the vehicle is in a collision and retract the belts by a few centimetres. This ensures that the belt perfectly adheres to the occupants' bodies before starting its restraining action.
The belt locking indicates that the device has been activated; a small amount of smoke may be visible.
The smoke is not toxic and is not indicative of fire.
The pretensioners are activated in the event of an impact of a certain severity only if the seat belt is buckled.

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.
Tampering with the device will compromise its efficient operation. If, as a result of exceptional natural circumstances (floods, heavy seas, etc.), the device has been in contact with water and sludge, it is absolutely essential to replace it.
To ensure the best protection from the pretensioner, secure the belt snugly across your chest and pelvis.

The pretensioners can be deployed only once and activate only when the seat belts are fastened. After activation, contact the Maserati Service Network 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 expiry.

WARNING: Work on the vehicle which involves blows, vibrations or localized heating (over 100°C / 212°F for 6 hours max.) in the area of the pretensioners may damage or activate them: vibrations due to uneven road surfaces or mounting the pavement unintentionally, for instance, do not affect the units. Contact the **Maserati Service Network** 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 the Maserati Service Network.

General warnings for using the seat belts

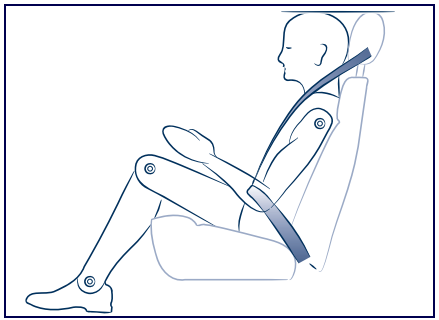
It is compulsory for the driver and passengers to make appropriate use of the restraint systems fitted in the vehicle.

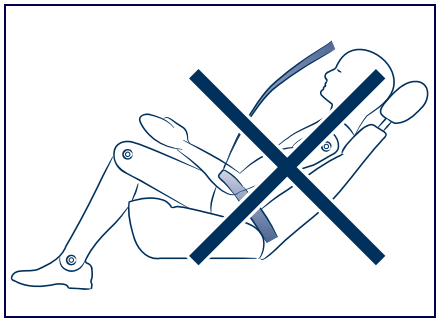
To guarantee maximum protection, you are advised to keep the seatback in the most upright position possible and the seat belt close to your chest and pelvis. If the seat belt is loose, in the event of an accident you would be moved too far forward and could be injured. Travelling with the seatback too far reclined could 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. What is more, 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.

Always fasten the seat belts. Travelling without the seat belts fastened 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 reduce the possibility of the vehicle's occupants being thrown against the structures of the 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 intervene in the event of head-on collisions of sufficient intensity. They will not be activated if the vehicle rolls over, or in the event of rear bumps or minor frontal collisions.

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

The passenger seated in the rear, when the vehicle is moving and the table/s is/are open must wear a seatbelt. Travelling without the seatbelt fastened increases the risk of injury in the event of a collision .





Seat belts

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 very probably suffer head and neck injuries. What is more, 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 passengers' 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 been 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 scrupulously 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 colourants and any other chemical substance that could weaken the belt fibres.

4) Make sure the retractors do not get wet: they will operate properly only if they do not suffer water infiltrations.

Safe transport of children

For optimal protection in the event of a collision, all the occupants in the vehicle must travel seated and protected by appropriate restraining systems. The seat belts have been designed to be used by persons whose physical characteristics (i.e. age, height, weight) fall within the limits provided for by established legislation in each country (for the European Community: 150 cm (59 in) in height and 3-years of age minimum). Anyone who does not comply with these provisions may not travel in the 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 protect them in the case of a collision, they must use special restraint or safety systems.

Where provided for by law (in the European Community), children under 3 years of age cannot travel in the vehicle unless using a suitable restraint system.

Where provided for by law (in the European Community), children under 3 years of age who are less than 150 cm (59 in) tall may not travel on the front seat unless using a suitable restraint system.

Children must always use a suitable restraint system when travelling, preferably fitted on the rear seat as this is the safest position in the event of a collision.

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

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

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 40 km/h (25 mph), a child weighing 5,5 kg (12 lb) exerts a force equal to 110 kg (240 lb) on the arms of the person carrying him/her. Children must always be protected by a suitable restraining system when travelling.

Children who are resting on the airbag or are too close to it when it is activated, may be seriously injured. The airbags and pretensioners provide 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 a baby's 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 child seat, the impact forces are distributed through the more solid parts of the body, i.e. the back and shoulders. Babies must always be protected by a suitable restraining system when travelling.

Children cannot be carried using a rearward-facing child seat fitted on a passenger seat protected by a front airbag, unless the said airbag is deactivated.

Deactivate the airbag before fitting a rearward-facing child seat on the front passenger seat.

If a child seat is installed on the front passenger's seat, the seat must be positioned fully upright.

The structure of a child body is completely different from that of an adult or a teenager, whom the seat belts are designed for. A child'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, cause serious internal injuries. Children must always be protected by suitable restraining systems.

If a child seat is installed on the front passenger's seat, this must be positioned fully back and up. This is essential to help ensure maximum safety for the child.

All minors whose physical characteristics (age, height, weight) meet the limit values provided by the established legislation in each country must be protected by special restraint or safety systems (certified child seats, cradles, cushions).
Make sure that you always use homologated universal child restraint systems.
For installation and use of the child restraint systems, carefully follow the instructions that the Manufacturer of these devices is obliged to provide.
All the seat belts, excluding the driver's seat and the rear central seat, are equipped with KISI system.

The KISI system uses special seat belt retractors that, when they are fully unwound, they only allow the seat belts to be rewound. This system allows the child seat to be properly anchored to the seat. The system deactivates after unfastening the seat belt, and allows it to be fully retracted to its original rest position.

To ensure an optimal restraining action of the child seats, we recommend that you choose the model that best suits the shape of your seats. It is advisable to try fitting the child seat in your vehicle before purchasing itand to not install child seats that, when placed on the seat, have an unstable or unnatural position due to the shape of your vehicle seat.

To fasten a child seat, follow the installation instructions provided by the child seat 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. Then fully unwind the seat belt and let it rewind. During rewinding, you will hear a click sound: this means that the KISI system has activated and that 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.

In the event of an accident, an incorrectly fastened child restraining system increases the risk of injury.

Never modify or tamper with 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.

Rearward-facing child seats must not be used on front passenger seats equipped with active passenger's airbag, as this could cause serious injuries during deployment, independently of the impact severity. Rearward-facing child seats may be used on the front passenger seat only in European vehicle models, that are equipped with passenger's airbag deactivation switch. In this case, the driver must make sure that the airbag is deactivated by checking the relative warning light on the instrument panel. We recommend that you always carry children in their specific child seats positioned on the vehicle rear seats, as this is the safest place in the event of a collision.

The European Community regulations that govern the transport of children are found in directive 2003/20/EC.
This directive divides restraint systems into five groups:

Group 0	0-10 kg (0 - 22 lb)	weight
Group 0+	up to 13 kg (up to 27 lb)	weight
Group 1	9-18 kg (20 - 40 lb)	weight
Group 2	15-25 kg (33 -55 lb)	weight
Group 3	22-36 kg (49 -79 lb)	weight

As can be seen, the groups partially overlap and commercially available equipment may cover more than one weight group.
All the restraining devices must bear the approval data, together with the check mark on a plate - which must never be removed - fixed soundly to the device,
Children over 36 kg (79 lb) in weight and 1,50 m (59 in) in height, for the purposes of restraint systems, are considered equivalent to adults and can wear the seat belts in the normal way.

Groups 0 and 0+

Babies weighing up to 13 kg (27 lb) must be transported in a rearward-facing baby seat, which provides head support and thereby avoids neck strain in the case of sudden decelerations. The baby seat is secured by the vehicle seat belts as shown in the figure, and must restrain the child with its own incorporated belts.

Deactivate the airbag before fitting a rearward-facing child seat on the front passenger seat.

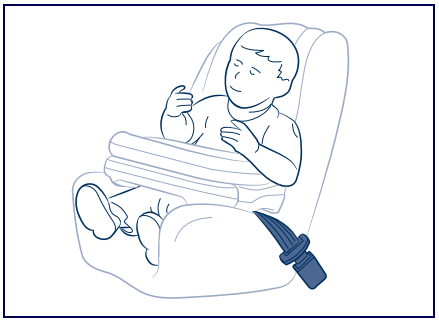
The figures are purely illustrative. Secure the child seat according to the instructions provided with the product.

Group 1

Children weighing 9 kg (20 lb) and more may travel in a forward-facing child seat equipped with a front cushion, through which the vehicle seat belt secures both the child seat and the child.

The figures are purely illustrative. Secure the child seat according to the instructions provided with the product.

Certain child seats meet the requirements for groups 0 and 1 with a rear fixing point for the seat belt and integrated harness for child restraint. Due to their weight, they may be hazardous if incorrectly secured to the vehicle seat belts with a cushion. Strictly follow the instructions provided with the product.



Safe transport of children

Group 2

Children weighing over 15 kg (33 lb) must be secured directly by the vehicle seat belt. Child seats have the additional purpose of positioning the child correctly with respect to the seat belts, in such a way that the diagonal portion of the seat belt closely adheres to the child's chest and never to the neck, and the lap portion adheres to the pelvis and not to the abdominal region.

The figures are purely illustrative. Secure the child seat according to the instructions provided with the product.

Group 3

Children weighing 22 kg (49 lb) and more only need a cushion to raise their position. The depth of the child's chest is sufficient to make a distancing backrest unnecessary.
Children over 1,50 m (59 in) in height can use seat belts like adults.

The figures are purely illustrative. Secure the child seat according to the instructions provided with the product.

Suitability of the passenger seats for using child seats

The vehicle complies with the new European Directive 200/3/CE that governs the installation of child seats on the different vehicle seats, according to the following table:

Group	Weight groups	Front passenger	Rear side passenger	Rear central passenger
Groups 0, 0+	up to 13 kg (up to 27 lb)	U (▼)	U	*
Group 1	9-18 kg (20-40 lb)	U (▼)	U	*
Group 2	15-25 kg (33-55 lb)	U (▼)	U	*
Group 3	22-36 kg (49-79 lb)	U (▼)	U	*

Legend

U= Suitable for "Universal" restraint systems as provided for by the European Regulation EEC-R44 pertaining to the indicated "Groups".

(▼) When fitting the system in the vehicle, the seat back must be in a fully upright position.

* NO child seat, of any kind, may be installed on the rear central seat.

Below is a summary of the safety regulations to be followed for transporting children:

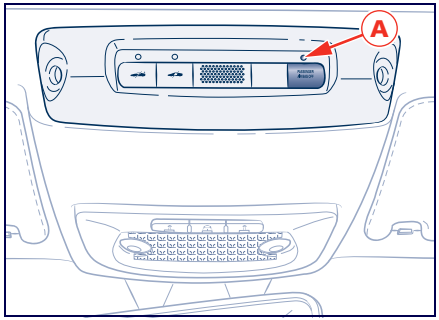
Children whose age, weight and height are below the minimum limits established by the laws in force in the individual countries (European Community: 3 years, 36 kg (27 lb) and 150 cm (59 in)) may only travel if secured using suitable restraint systems. We recommend that you always fit any restraint system on the rear seat, as this is the safest position in the event of a collision.

If the vehicle is equipped with active passenger airbags, children may not travel on the front seat in a rearward-facing child seat.

When deactivating the passenger-side airbag, always check that the relative warning light on the instrument panel and the LED **A** on the roof panel are illuminated, as this indicates that the airbag has been deactivated.

Always and strictly follow the instructions which the manufacturer is obliged by law to enclose with the seat.

Keep the instructions in the vehicle together with the documents and this handbook. Do not use a seat which does not have any instructions for use.



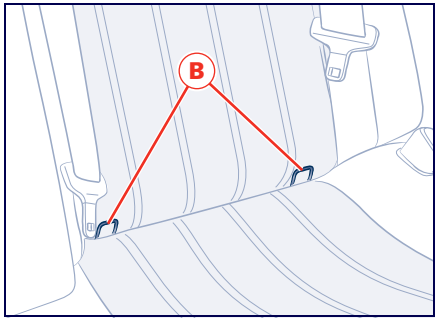
WARNING: We recommend that you choose the seat that best suits the shape of your vehicle's seat and that you try to install the seat before purchasing it.

Always pull the seat belt to check that it is locked in place.
All restraint system is for use 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.
Do not allow the child to sit in improper positions or to unbuckle the seat belt /child seat safety harness while travelling.
Do not carry children in your arms, including babies. 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.

Isofix seats

The rear side seats of the vehicle are equipped with anchoring points for Isofix child seats. This is a new system complying with European standards for carrying children.
This system provides a special anchoring system for child seats, which uses two metal brackets **B** 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 Isofix child seats installation can always be fitted with standard child seats:
you can actually install a standard and an Isofix child seat at the same time.



The rear seats can be fitted with two standard seats or two Isofix seats max. Only standard type child seats can be mounted on the front passenger seat. Deactivate the airbag before fitting a rearward-facing child seat on the front passenger seat. In addition, the front passenger seat must be positioned fully back and the backrest must be in the fully upright position.
The Isofix system covers three weight groups: 0. 0+ and 1.

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

Earth unit	Size class	Envelope	Isofix position			
			Front passenger seat	Side rear, left-hand	Side rear, right hand	Other positions
Carry cot	F	ISO / L1		X	X	
	G	ISO / L2		X	X	
		(1)				
Group 0 + up to 10kg (up to 22 lb)	E	ISO / R1		IUF	IUF	
		(1)				
Group 0+ up to 13 kg (up to 27 lb)	E	ISO / R1		IUF	IUF	
	D	ISO / R2		IUF	IUF	
	C	ISO / R3		IUF	IUF	
		(1)				
Group I from 9 to 18 kg (20 to 40 lb)	D	ISO / R2		IUF	IUF	
	C	ISO / R3		IUF	IUF	
	B	ISO / F2		IUF	IUF	
	B1	ISO / F2X		IUF	IUF	
	A	ISO / F3		IUF	IUF	
		(1)				

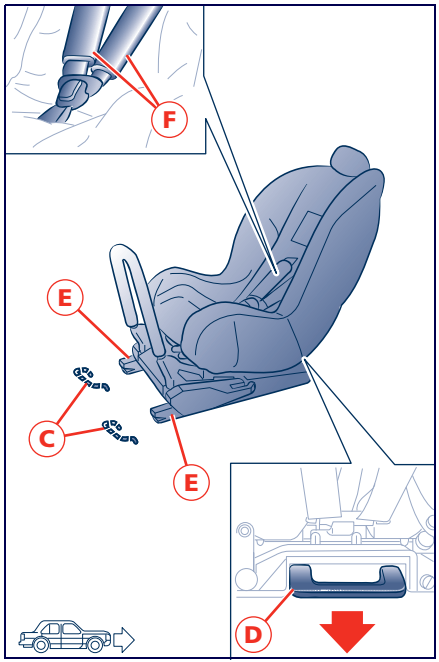
IUF = Isofix position suitable for forward-facing Isofix type child restraint systems of the universal class, approved for use in the relative weight group.

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

(1) = If the CRS (Child Restraint System) does not bear the ISO/XX class identification (from A to G) for the applicable weight group, the vehicle manufacturer must indicate the specific ISOFIX child restraint system recommended for each position.

Fitting child vehicle seats for groups 0 and 0+

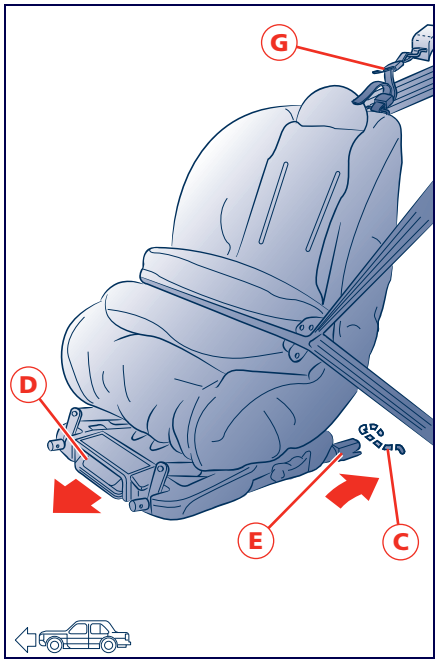
To carry children whose weight falls in the 0 and 0+ groups, the child seat must be installed facing rearward.
Carefully check that the brackets **C** are properly installed in their seatings **E**.
The child is then secured by the child seat harness **F**.



Fitting child seats type 1

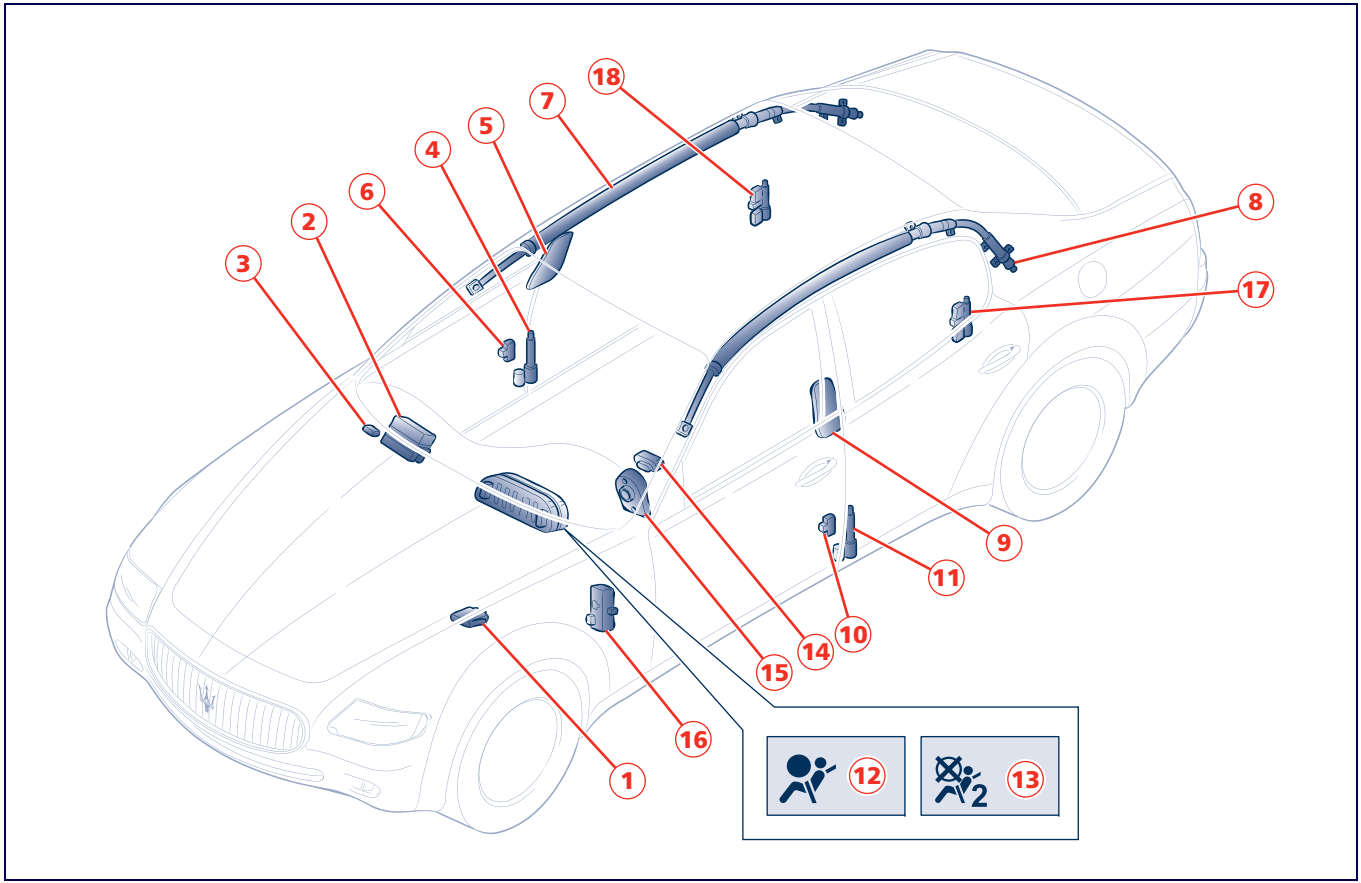
For carrying children whose weight falls in group 1, the child seat must be installed facing forward.
For installation, proceed as follows:

– make sure that the release lever **D** is in the permanent position (retracted);
– align the anchoring points **E** with the brackets **C,** then push the seat until you hear it click in place, which indicates it is properly secured;
– check that the child seat is correctly locked by trying to move it with strength; the incorporated safety mechanisms prevent the child seat from being improperly fitted if only one of the attachment fittings is locked;
– pass the strap **G** 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 restrained not only by the brackets **C** but also by the vehicle seat belt and by the upper strap **G**.
Always refer to the instruction manual provided with the child seat for fitting the vehicle seat belts to the said child seat correctly.

Front and side airbags



Front and side airbags

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

1) Electronic control unit.

2) Passenger's front airbag.

3) Passenger's airbag deactivation switch (where available).

4) Passenger's front seat belt pretensioner.

5) Passenger's lateral airbag (side bag).

6) Passenger-side satellite crash sensor.

7) Passenger-side window bag.

8) Driver-side window bag.

9) Driver's lateral airbag (side bag).

10) Driver-side satellite crash sensor.

11) Driver's front seat belt pretensioner.

12) Airbag system failure warning light.

13) Passenger's airbag off warning light.

14) Driver's front airbag.

15) Clock Spring.

16) Diagnostic socket.

17) Left-hand rear pretensioner.

18) Right-hand rear pretensioner.

Front airbags

The front airbags (driver's and passenger's) are safety devices which activate in the event of a head-on collision.
They consist of an instantaneously inflating airbag contained in a special housing:

– in the centre of the steering wheel on the driver side;

– in the dashboard and with a larger size bag on the passenger side.

The front airbags (driver's and passenger's) are safety devices designed to protect the occupants in the event of head-on collisions of medium-high severity. They act by placing a cushion (airbag) between the occupant and the steering wheel or the dashboard.
In the event of a collision, an ECU processes the deceleration signals detected by the ESC system and activates, when necessary, airbag deployment.

The airbag deploys almost instantaneously, placing itself between the front passengers and potentially harmful parts of the vehicle. The airbags deflate immediately afterwards.

In the event of a collision, any occupants not wearing their seat belt will be thrown forward and will come into contact with the airbag before it is fully inflated. n) can be engaged. the event of a collision, any occupants not wearing their seat belt will be thrown forward and will come into contact with the airbag before it is fully inflated. nn) can be engaged. The front airbags (driver's and passenger's) are not a substitute for the seat belts but rather act in combination with them. As a consequence, the seat belts must always be worn as provided for by applicable legislation in Europe and in most non-European countries.

To allow the front airbags to deploy correctly and with optimal efficiency, both the driver and the front passenger must maintain a distance of at least 25 cm (10 in) from the steering wheel and the dashboard.

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

Never remove the steering wheel. If necessary, this operation should only be performed by a Maserati Service Network centre.

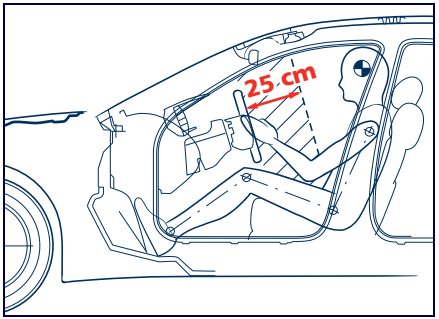
In the case of low-severity head on collisions (in which the restraining action of the seat belts provides adequate protection), the airbags will not be activated.
The airbags do not activate in the event of rear and side collisions, as they do not provide any supplementary protection.

Therefore, in these cases, failure of the airbag to deploy is not an indication of a system malfunction.

Passenger's airbag

The passenger's airbag has been designed and calibrated to enhance the protection level provided to a person wearing the seat belt. Therefore, when fully deployed, it fills the largest part of the space between the passenger and the dashboard.

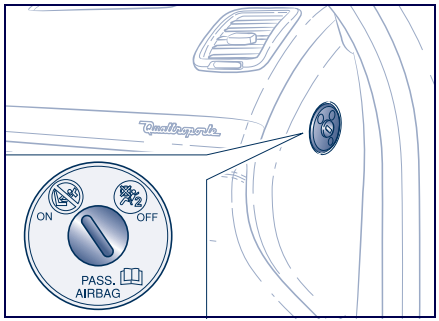
SERIOUS DANGER: the vehicle is fitted with a passenger side airbag. Before fitting any rearward-facing child seat on the front passenger seat,if the vehicle is equipped with the specific deactivation switch, always deactivate the front passenger's airbag. Even where not required by law, we recommend for the safety of adult passengers, that the airbag be immediately reactivated as soon as the seat is no longer used for carrying children.



SERIOUS DANGER. Do not position any objects on the upper part of the dashboard. In the event of airbag deployment following a collision, these objects may affect correct opening of the airbag cover, causing the restraint system not to function properly, or they may be projected into the passenger compartment as a consequence of a sudden opening of the cover, which may seriously injure the occupants.

Passenger's Airbag manual deactivation switch (where available)

If you have to carry a child on the front passenger seat, always deactivate the airbag on the passenger's side before installing a rearward-facing child seat. The device may be deactivated by operating (with the ignition key) the relative key switch located on the right-hand side of the dashboard. The switch is accessible with open door only.
Vehicles manufactured for the US, Canadian, Japanese and Australian markets are not equipped with this device.



The key switch has two positions:

1) passenger airbag activated: (position **ON**) the warning light on the instrument panel and the LED on the roof panel are off; it is prohibited to carry children on the passenger seat.

2) passenger airbag deactivated: (Position **OFF**) the warning light on the instrument panel and the LED on the roof panel are on; children may travel in the front passenger seat if they are suitably protected by specific rearward-facing restraint systems.

The warning light on the instrument panel and the LED on the roof panel remain permanently illuminated until the passenger airbag is reactivated.

WARNING: Should the warning light (passenger's airbag off) malfunction, its failure will be shown on the display.

WARNING: Deactivation of the front passenger airbag does not deactivate the side airbags and the seat belt.

When the door is open, the key can be inserted or removed in both positions.

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

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

When the passenger side airbag is deactivated, because a person considered by applicable legislation to be at risk is travelling and must therefore be protected by an additional restraining system, the passenger will not have the additional protection of the airbag in the event of a collision.

Only deactivate the airbag when you are carrying a person considered at risk by applicable legislation, and always reactivate it at the end of the journey.

Front and rear lateral airbags

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

– Side Bags housed in the front seats' backrests; this solution allows the airbag to be always in the best 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 for protecting the head region, offers passengers sitting in the front and in the rear the best 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 it trips the bag inflation if necessary.

The bags inflate 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.
Failure of one or more systems to 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 do not inflate.
It follows that the front airbags (on driver and passenger side) do not replace or substitute the seat belts but complement them, and hence the seat belts must always be worn as provided by established legislation in European and in most non-European countries.
The lateral airbags are not deactivated when the front passenger airbag is cut-out by means of the key-operated switch, as described in the preceding charter. Thus, even children carried in the front passenger seat are protected from lateral collisions.

WARNING: The front and/or lateral airbags may inflate if the vehicle suffers a violent impact beneath the car body, for example when mounting the pavement, colliding 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 comes on while driving (fault signal) stop the vehicle and contact the local Maserati Service Centre to have the system checked.

WARNING: The airbag system has a service life of 14 years. Contact the **Maserati Service Network** when this period is near to expiry.

In the event of a collision with consequent airbag inflation, contact the Maserati Service Network 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 a Maserati Service Network Centre.

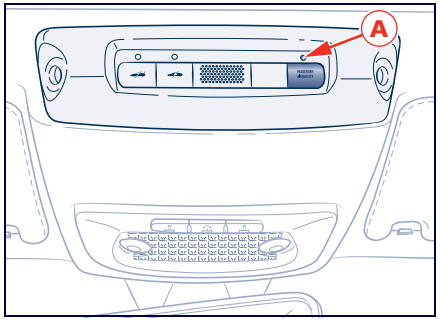
WARNING: In case of scrapping of the vehicle, contact the **Maserati Service Network** to have the system deactivated.

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

General warnings

When the ignition key is turned to the MAR position, the warning light comes on, but it must switch 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 the Maserati Service Network immediately.

Turning the ignition key to MAR, the warning light and the LED A on the inside roof, above the words PASSENGER AIR BAG OFF (with the front airbag deactivation switch in the ON position), will turn on and flash for several seconds, to remind the driver that the passenger and rear lateral airbags will activate in case of collision. Following this flashing they must turn off.



Front and side airbags

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, lying your back fully against it.

To permit the front airbags to be deployed correctly and with the utmost efficiency, both the driver and the front passenger must maintain a distance of at least 25 cm (10 in) from the steering wheel and the dashboard respectively.

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 intervention of the airbag could result in serious injury.

Do not cover the front seatbacks with clothes or covers.

Note that with the ignition key inserted and turned to the MAR position, even with the engine switched off, the airbags can inflate even if the vehicle is stationary, if it is run into by another vehicle. Therefore, even with the vehicle stationary, children must be secured by the specific child restraint systems installed on the passenger seat, and the passenger airbag must be deactivated. On the other hand, the airbags will not inflate in case of collision with the vehicle stationary and the key removed from the ignition block; 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 the Maserati Service Network 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 substitute the seat belts but afford supplementary protection. Moreover, in the event of head-on collisions at low speed, side impacts, rear bumps 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 pressurised steam (by hand or in the automatic seat wash stations).

Do not hang rigid objects onto the cloth hooks and onto the handholds.

Australia Version - Safety

Seat belts

The driver must respect and have the passengers observe the provisions of local legislation regarding the compulsory use of seat belts. In the European Community, Directive 2003/20/EC requires the driver and passenger to wear the seat belts, and to use child restraint systems.
If used correctly, the seat belts, in combination with the pretensioners, have been designed to protect the wearer from a variety of impacts.

Maserati recommends you use the seat belts correctly fastened and adjusted at all times! Correct use of the seat belts can reduce the risk of serious injury in the event of an accident. If the driver permits the passenger not to wear the seat belts, he shares the risk posed by failed use and is equally guilty of violation.

It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.

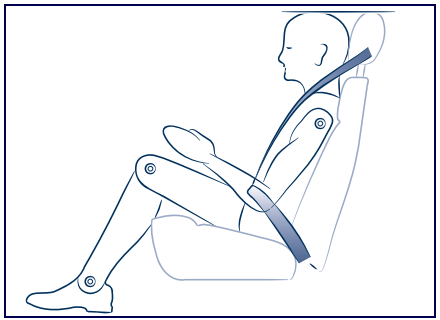
The vehicle seat belts are automatic, with three fastening points and an emergency inertia locking device on the winding unit, equipped with pretensioner.

WARNING: For an effective restraining action, the seat belt must be fastened correctly with the seat backrest in the upright position.

WARNING: The seat belt is fastened correctly when the upper portion of the belt crosses the centre of the shoulder (not the neck) and the lap portion is resting on the hips (not the stomach).

Seatbelts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.

Do not let the seat belts come into contact with cutting edges. They may get damaged and may consequently break in the event of a collision.



Do not attach or pin anything onto the seat belts. They may get damaged and consequently break in the event of a collision.

If a seat belt has come into contact with cutting edges or was somehow perforated, we recommend you have it immediately replaced by the Maserati Service Network.

Fastening the seat belts

Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.

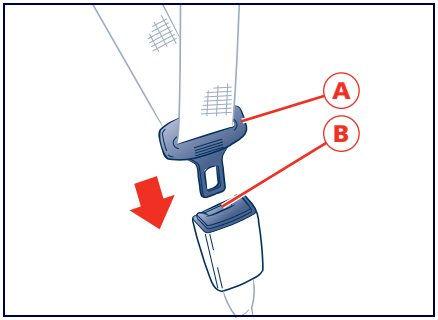
Adjust the seat and headrest properly.

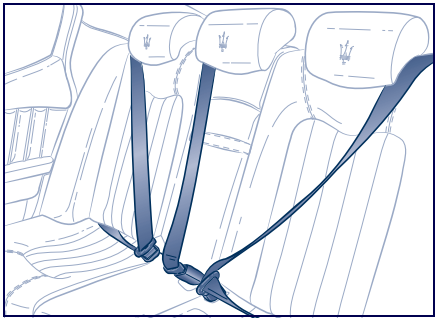
– Grip the buckle **A**, slowly pull the belt and insert the tang into its receptacle **B**. Should the belt lock while pulling it, let it rewind slightly and then pull it again without sharp movements.
– Make sure that it has clicked into place.
– Position the seat belt correctly. Do not use any objects (e.g., spring clips, locks, etc.) that hold the seat belt away from your body.

Belts should not be worn with straps twisted.

Do not allow children to be held on a passenger's lap using only one seat belt for both of them.

Each belt assembly must only be used by one occupant; it is dangerous to put a belt around a child being carried on the occupant's lap.





If the driver's seat belt is not fastened, when you turn the ignition key to position II, the warning light **C** comes on.

Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.

Unfastening the seat belts

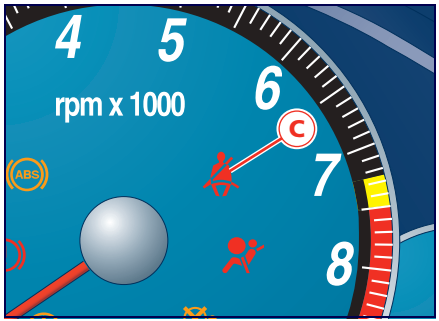
– Press the release button **D**.
– Guide the seat belt buckle **A** back to its rest position.

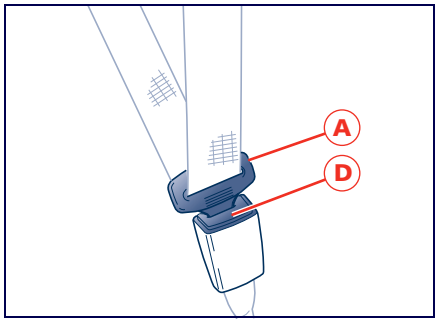
No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.

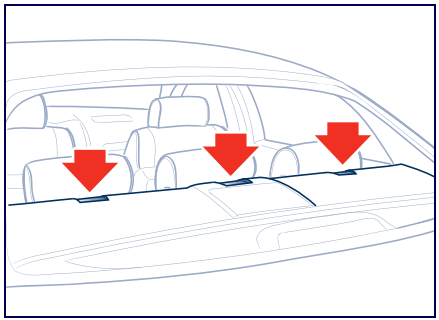
Child restraints

Child restraint anchor fittings

Your vehicle has been designed to accommodate child restraints on the rearmost seats. When using a child restraint, read the Installation Instructions supplied with the child restraint and follow the directions for fitment carefully.
The childseat is secured in the vehicle using the adult seat belt assembly and the tether strap (provided with the child seat) is secured to the child restraint anchor fitting.



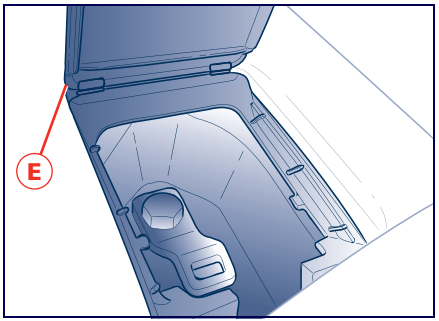




Installation of the attaching clip

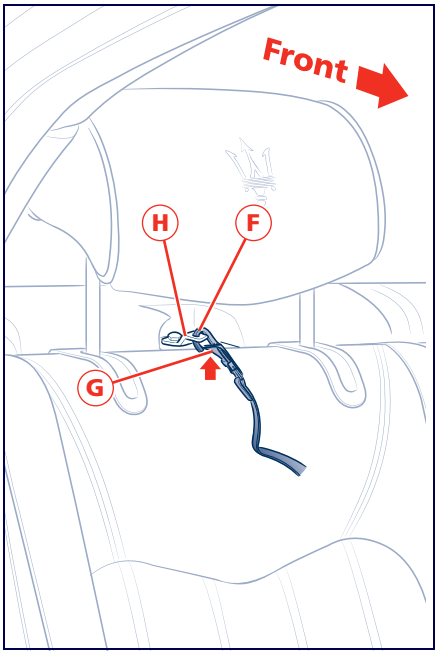
Slide the tether strap of the child seat between the head restraint and the seat. Lift the cover **E** to access the child restraint anchor fitting located on the rear self.
Positive engagement of the child restraint attaching clip **F** is achieved by depressing the retainer spring **G** and then passing through the opening of the anchor fitting **H** as shown in the illustration.

Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts, harnesses or for attaching other items or equipment to the vehicle.



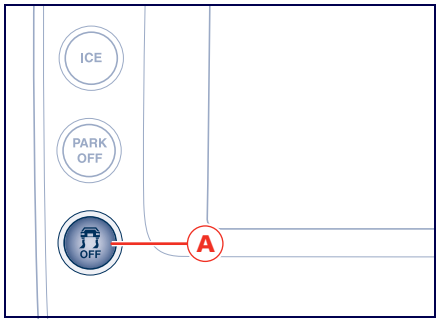
Air bag label

Extreme Hazard!Do not use a rearward facing child restraint on a seat protected by an air bag in front of it!



ESC system

The vehicle is equipped with **ESC** (Electronic Stability Control) anti-yawing system, which incorporates all of the vehicle control systems: **ABS**, **EBD**, **ASR** and **MSR**.
The system is fitted with a unit that predicts the vehicle behaviour with extreme accuracy. The system can detect when the driver is about to lose control of the vehicle. In this case, it can activate the brake calipers individually and engine control, in order to create a torque sufficient to resist the vehicle's yawing moment.



Activation

The **ESC** system is designed to automatically activate every time the engine is started and can be deactivated by pressing button **A** for about 2 seconds; the warning light OFF illuminates on the instrument panel as well as on the display, where it is accompanied by a specific message.
Press button **A** again to reactivate the system.
The amber warning light on the instrument panel flashes during all the operating phases.

Fault signals

In the event of a fault, the system is automatically disabled and cannot be re-activated. While driving, this condition is signalled by the amber warning light , that illuminates both on the instrument panel as well as on the multi-function display, where it is accompanied by the message "ESC unavailable 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, and with the **ESC** system disabled, the vehicle behaves as if it were not equipped with this system: however, we recommend you contact the Maserati Service Network as soon as possible to have the system checked.

WARNING: If you have to tow the vehicle with 2 wheels raised, make sure the ignition key is in the **STOP** position. Otherwise, with the **ESC** system active, the control unit will store a malfunction with consequent illumination of the warning lights on the instrument panel and on the display. Should this occur, contact the Maserati Service Network to have the system repaired.

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 **ESC** system active.

WARNING: Driving on parabolic curves will deactivate the system.

ASR system

The **ASR** system prevents 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 is designed to enhance the vehicle stability and improves 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 roadbed conditions;
– acceleration on slippery, snowy or icy roadbeds;
– loss of road grip on wet roadbeds (aquaplaning).

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

System activation

The **ASR** system is automatically activated every time the engine is started and can be deactivated by pressing button **A** (see page 47) for about 2 seconds; the warning light OFF illuminates on the instrument panel and on the display, where it is accompanied by a specific message. Press button **A** again to reactivate the system.
The amber warning light on the instrument panel flashes during all the operating phases.

Malfunction indicators

In the event of a fault, the system is automatically disabled and cannot be re-activated. While driving, this condition is signalled by the amber warning light on the multi-function display, which illuminates together with the message “ASR unavailable go to dealer”. The warning light illuminates on the instrument panel.

MSR function (engine braking torque adjustment)

The **ASR** system also controls the engine braking torque when the accelerator pedal is released under low grip conditions (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 tyre grip on the roadbed. Snow or ice obviously reduce grip levels.

ABS, EBD and HBA systems

The vehicle is equipped with ABS (Anti-lock Braking System) and EBD (Electronic Brake force Distribution) systems, which enhance the braking system performance by means of the ABS system sensors and ECU.
In the event of emergency braking or braking on slippery road surfaces (e.g. snow, ice etc.) the ABS, in combination with the standard braking system, allows the driver to apply maximum braking force without causing the wheels to lock and consequently losing control of the vehicle.
The system uses 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 ECU, which activates an electro-hydraulic unit that modulates the pressure applied to the brake calipers; the driver will feel a "pulsing" sensation on the brake pedal which is completely normal.
To complete the action of the braking assistance systems, the vehicle is equipped with HBA (Hydraulic Brake Assistance) device, which helps the driver during emergency braking.
In the event of a critical situation, where the vehicle must stop in the shortest possible distance, the driver usually depresses the brake pedal quickly, but often not strongly enough: this increases the braking distance. This system has been designed to solve this problem and acts by applying the maximum braking force during emergency braking, in order to stop the vehicle in the shortest possible distance.
The system recognises the emergency condition by analysing some parameters, such as the pressure on the brake servo, the wheel speed and activation of the third stop. The ABS control unit cross-checks this data and substitutes the driver by activating the braking system's full power and so ensures optimal braking performance in the shortest possible distance
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 lighting up of the red warning light with the letters ABS (ABS) on the instrument panel.
In this case, we recommend you contact the nearest **Maserati Service Network** centre, which, thanks to the self-diagnostics system the vehicle is equipped with, will be able to identify the problem immediately.

The vehicles must be equipped only with wheels, tyres and brake pads of the type and make approved by the Factory for this model.

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

The vehicle is equipped with an EBD (Electronic Brake-force Distribution) system). With the engine on, if the warning light (!) illuminates accompanied by a specific message on the display it indicates a fault in the EBD system. In this case, sharp braking can cause early locking of the rear wheels and possible side skidding. Drive with the greatest care and have the system immediately checked by the nearest Centre of the Maserati Service Network.

The failure warning light (ABS) usually illuminates with the engine running to indicate a malfunction in the ABS system. In this case, the standard braking system is still efficient, but cannot use the ABS system. In these conditions, also the EBD system efficiency may be reduced. Drive with the greatest care in order to avoid sudden braking and have the system immediately checked by the nearest Centre of the Maserati Service Network.

If the low brake fluid warning light (!) 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 the Maserati Service Network immediately to have the system checked. Brake fluid leaks impair the operation of whatever braking system, both the standard types and those fitted with anti-lock system.

System performance in terms of active safety is not a reason for the driver to run unnecessary risks. The driving style shall always be suited to weather conditions, range of visibility and road traffic conditions.

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

Tyre pressure monitoring system (optional equipment)

On request, the vehicle may come equipped with a system that monitors the tyre pressure by means of special sensors fitted inside the wheel rims, in position with the inflation valve. These sensors transmit a signal that is detected by the antennas installed on the vehicle body behind the gravel guards 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 tyre pressure data and system errors, if any, to the instrument panel. The display may show the information received by means of specific screen pages, which can be recalled selecting the “Tyre Pressure” page.

The system warns the driver that the tyre pressure has decreased. This warning does not exempt the driver from periodically checking the tyres and from complying with the prescribed tyre pressure levels.

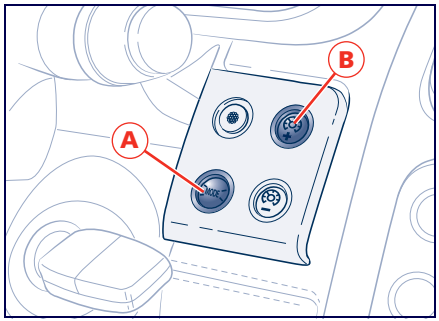
WARNING: The system stores the tyre pressures as a reference rate, therefore tyres must be inflated to the prescribed pressure.

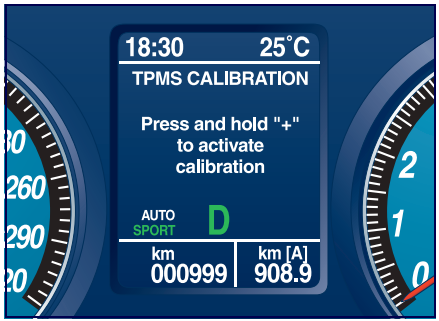
System calibration

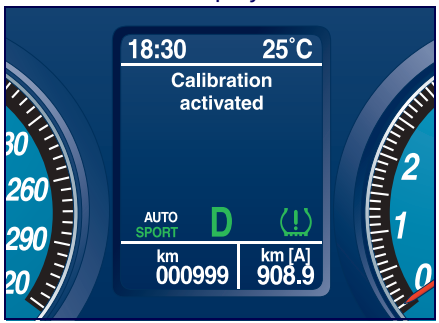
The system must be calibrated:

- after replacing one or more tyres;
- after inverting the wheels;
- if you are not sure whether at least one of the operations above was performed.

If you simply corrected the tyre inflation pressure, you do not need to recalibrate the system.
To calibrate the system, select the screen page “TPMS calibration” by pressing the “MODE” button **A**. Subsequently press and hold button “+” **B** to activate the calibration procedure. This operation may be performed with the key at **MAR** and the engine off. The system will take a few seconds to complete the process, and during this time the green symbol (!) and the message “Calibration started” will be displayed.







Tyre pressure monitoring system (optional equipment)

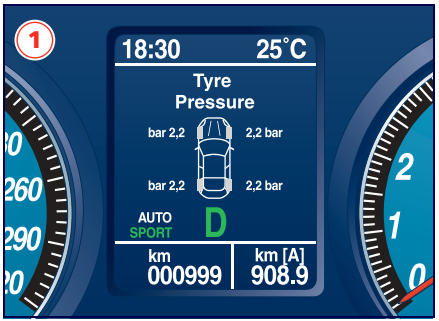
If the user recalls the information page showing the pressure levels of each tyre, dashes “--.--“ will be displayed in the place of the values.

Viewing messages on the display

By pressing the “MODE” button **A** repeatedly, the user can access the information page that shows the pressure values of each tyre (“Tyre Pressure” page).
If system faults are found when this page is recalled, the same page will be replaced by an information message on the problem found. Also in this case, the information message will be displayed for a preset time.
When the display time has elapsed, the “Tyre Pressure” screen page becomes available again, but the summary symbol for the malfunction will remain displayed in the dedicated area, until the malfunction is corrected.

Normal conditions

By pressing the specific button for quick information display (“MODE” button **A** pressed briefly), the user can access the information page (screen page **1**), which displays the pressure levels for each tyre.



Low pressure

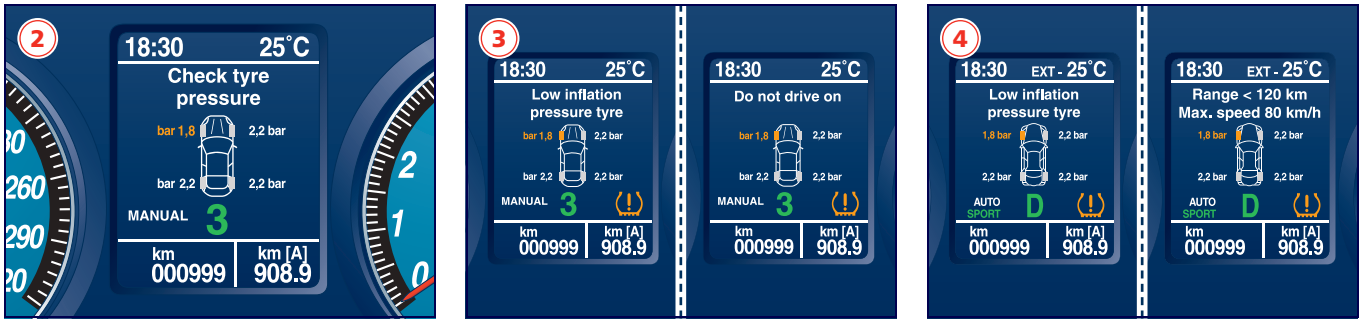
When the onboard instrument panel receives a message from the tyre pressure ECU indicating that one or more tyres have pressure levels below the control threshold, screen page **2** is displayed for 10 seconds, after which the system will display the screen page previously active.
When the key is subsequently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

Tyre punctures

When the instrument panel receives a signal from the tyre pressure ECU indicating that the pressure level of one or more tyres is below the alarm threshold, the warning light (!) will permanently illuminate on the instrument panel and screen pages **3** 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 **3** 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.

"Run Flat" tyre puncture

If the vehicle is equipped with Run Flat tyres, in the event of a tyre puncture, the relative warning light (!) comes on and the pages **4** 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 78). The warning light (!) on the instrument panel remains on.
The system calculates the residual tyre life in km and repeats the display cycle every 30 km (19 mi) of driving up to a maximum of 120 km (75 mi).

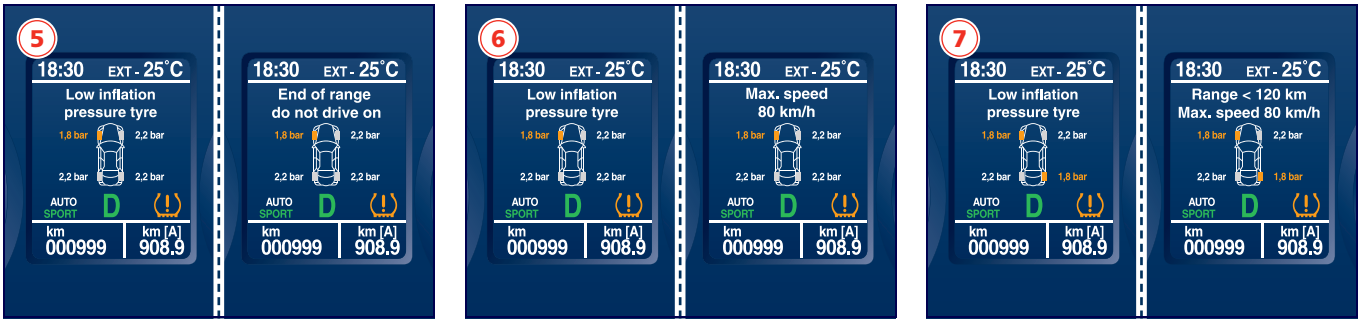


Tyre pressure monitoring system (optional equipment)

During the "tyre punctured" condition, if more than 120 km (75 mi) are travelled or if the vehicle speed exceeds 80 km/h (50 mph), the pages **5** or **6**, respectively, are displayed. At the end of the tyre life, the display logic follows the procedure for normal tyres.

If another tyre 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 **7** alternately.

If the driver presses the MODE **A** button with a tyre punctured and the vehicle **not** running at the max. speed - **provided that the tyres are still in a condition to continue driving** - the summary symbol will be displayed in the dedicated warning light area, until the situation is corrected and following the system recalibration.



Tyre pressure monitoring system (optional equipment)

System not calibrated

In the event that: the system has not been calibrated or following replacement or reversal of one or more tyres, the warning light (!) will illuminate on instrument panel, and the display will show screen page **8**. Subsequently, the system will display the page previously active
The system can be calibrated by selecting the “TPMS calibration” page on the multifunction display.
The information page that shows the pressure value for each tyre cannot be recalled.

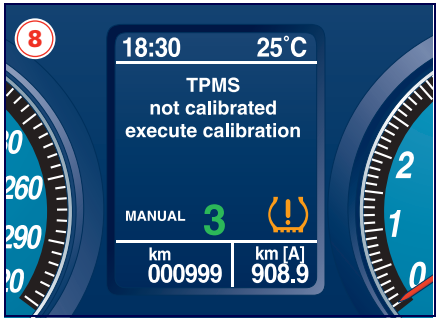
Tyre pressure monitoring system failure

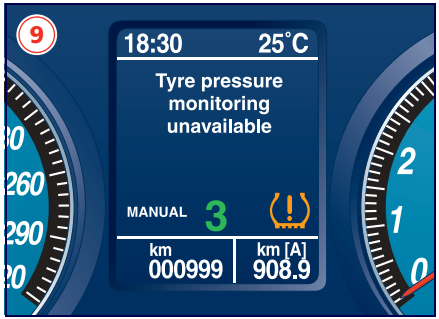
Screen page **9** may appear in the following cases:

– malfunction in the ECU system/ wiring;
– no signal reception by one or more sensors due to malfunctioning, broken or flat battery;
– ECU malfunction.

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

In addition to screen page **9** 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 tyre cannot be recalled.





Tyre pressure monitoring system (optional equipment)

Parking sensors

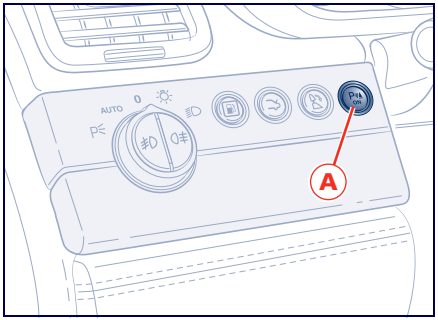
To make parking manoeuvres easier for the driver, the vehicle comes equipped with four sensors housed on the rear bumper. On request, four sensors can also be fitted on the front bumper.
During parking manoeuvres, the parking sensors provide the driver with information on the distance between obstacles 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.

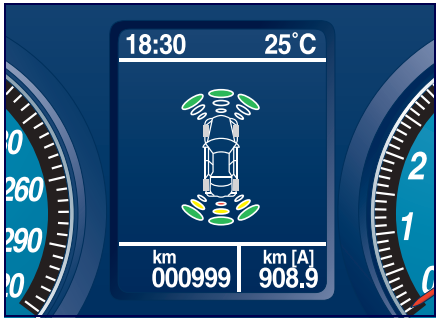
If the vehicle is also equipped with front sensors, these may be activated by pressing button **A**; When the front sensors are active, the button illuminates with an amber colour. To deactivate the front sensors, press button **A** once again. When reverse gear is disengaged, all the sensors remain active. The rear sensors remain active for about 10 seconds or until a speed of approx. 10 Km/h (6 mph) is exceeded. The front sensors remain active until a speed of about 10 Km/h (6 mph) 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.
When the obstacle is located at a distance of less than 35 cm (14 in) 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.

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 Multi Media System. The Stop & Go function can be enabled/disabled by accessing the "Configuration" menu, selecting the "Define vehicle parameters" option, then the Stop & Go parking option and setting it to "Activation". 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).

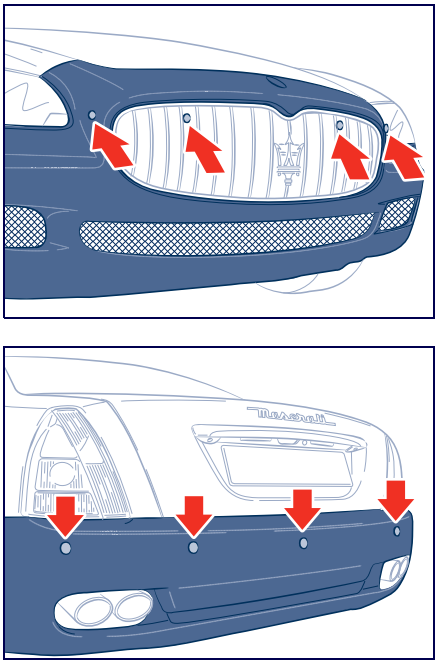
Cleaning the sensors

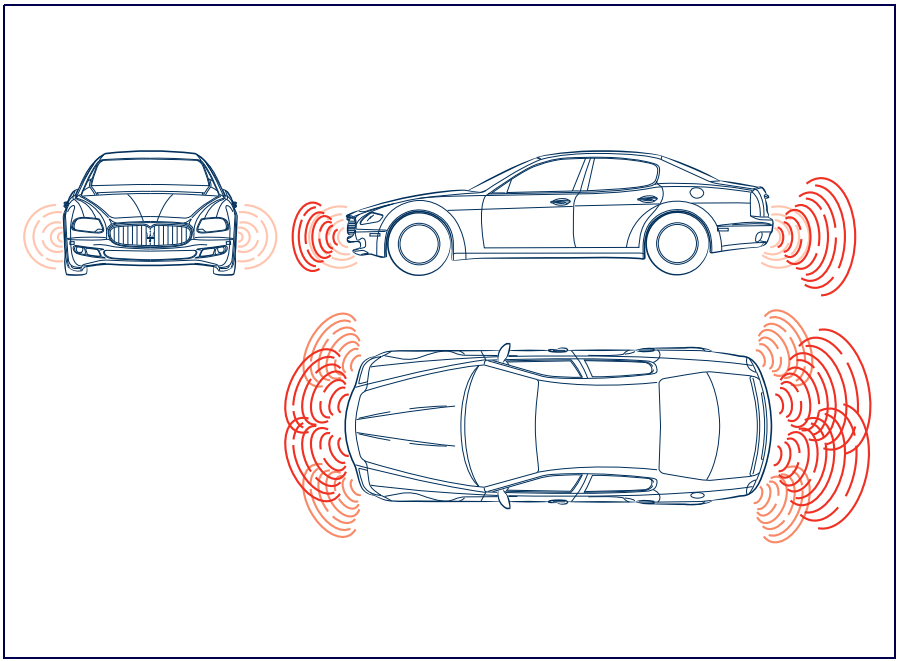
When cleaning the sensors, take special care not to scratch or damage them; therefore, do not use dry, rough or hard cloths.
The sensors must be washed with clean water, possibly with car shampoo added.
Should you need to repaint the bumper or in case of paint touch-ups in the sensor area, please contact 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 (1 yd) at the front and 1,50 m (1.6 yd) 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 help unavailable".
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 always take care during potentially dangerous manoeuvres, even at low speeds.

Fuel cut-out inertia switch

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

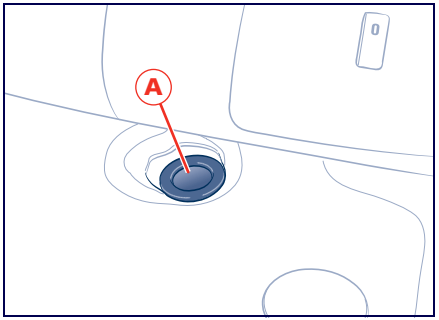
After impact, if you smell fuel or note any leakage from the fuel supply system, do not reactivate the switch in order to avoid fire risks.

The activation of the inertia switch results in all the doors and the luggage compartment unlocking and in 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** 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.

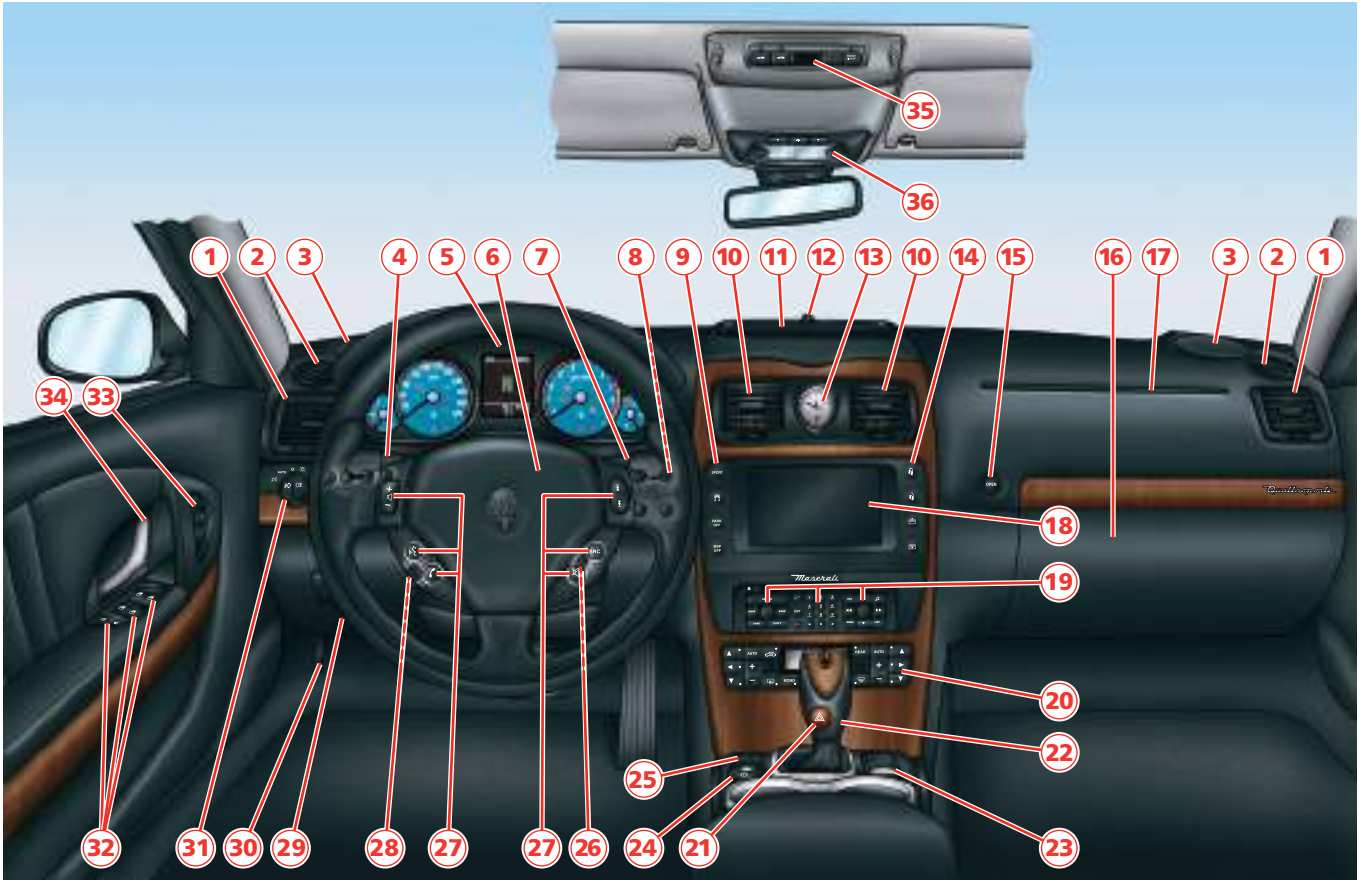
*Note: Please contact the **Maserati Service Network***




OP 470 LT

Instruments and controls

Dashboard



Dashboard

1) Air conditioning and heating system vents.

2) Side windows vents.

3) Speaker.

4) Lever controlling Cruise Control, direction indicators, high beams and flashing headlights.

5) Instrument panel.

6) Driver's airbag and horn.

7) Windscreen/headlight wiper/washer control lever.

8) Controls to the right of the steering wheel.

9) Side buttons, to the left of the Multi Media System Display.

10) Central air-conditioning and heating system vents.

11) Upper air conditioning and heating system vent.

12) Sun radiation sensor.

13) Clock.

14) Side buttons, to the right of the Multi Media System Display.

15) Glove compartment opening button.

16) Glove compartment.

17) Passenger's airbag.

18) Multi Media System Display.

19) Multi Media System Controls.

20) Air conditioning and heating system controls.

21) Hazard button.

22) Automatic gearshift lever.

23) Ashtray with cigarette lighter.

24) Electric parking brake engagement/disengagement lever.

25) Gear display.

26) Ignition/steering lock switch.

27) Multi Media System Controls repeated on the steering wheel.

28) Steering wheel height and depth adjustment control.

29) Glove compartment.

30) Engine compartment lid opening lever.

31) Controls to the left of the steering wheel.

32) Controls on driver's door.

33) External rear-view mirror controls.

34) Internal door opening handle.

35) Roof controls.

36) Front dome lamp.

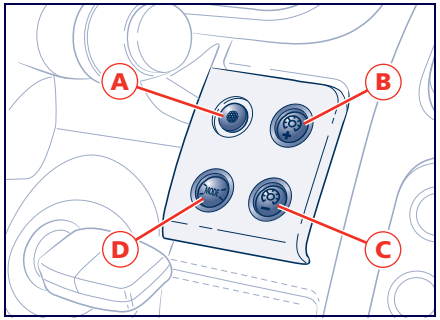
Ref. 8 Controls to the right of the steering wheel

A - AudioPilot® Sensor (see page 147).

B - Instrument panel brightness increase.

C - Instrument panel brightness decrease.

D - Trip MODE button and odometer reset.



Dashboard

Ref. 9 and 14 Side buttons on the Multi Media System display

A - SPORT mode button.

B - LOW-GRIP (**ICE**) mode button.

C - PARK OFF function button (see page 183).

D - ESC OFF system deactivation button.

E - Door lock/unlock button.

F - Sunshade raising/lowering button.

Ref. 27 Multi Media System Controls repeated on the steering wheel

A - Increases the sound system volume.

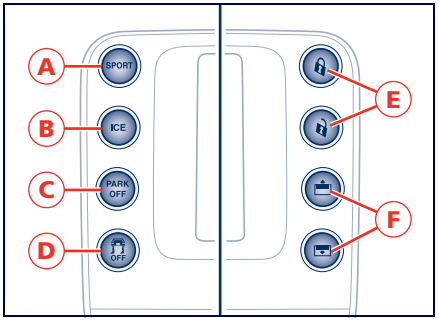
B - Decreases the sound system volume.

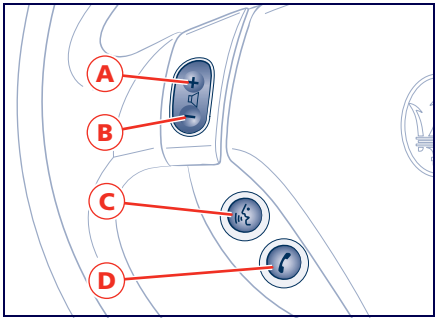
C - Activates/deactivates the voice command function.
Navigator mode: Enables the guiding voice during the trip guidance and also displays information pertaining to the guidance session.

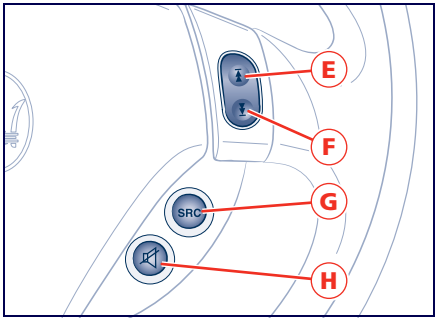
D - Button pressed briefly
Telematic mode activation
Place call, paired telephone.
Accept incoming call, paired telephone.
End call in progress, paired telephone.
Button pressed at length
Reject incoming call, paired telephone.

E - Button pressed briefly
Radio mode: Search for the first tuneable station with higher frequency.
SIRIUS Satellite Radio Mode (where available): Goes to the next category starting from the one currently selected.
CD, Jukebox, USB and iPod mode: track fast forward.
Button pressed at length
CD audio mode: track fast forward.

F - Button pressed briefly
Radio mode: searches for the first station with a lower frequency that can be tuned in to.
SIRIUS Satellite Radio Mode (where available): Goes to the previous category starting from the one currently selected.
CD, Jukebox, USB and iPod mode: goes to the previous track if selected within the first 3 seconds







Dashboard

of track playing, otherwise the track is played again from the beginning.
Button pressed at length
CD, Jukebox, USB and iPod mode: track fast rewind.

G - Mode selection: Radio, CD, Jukebox or iPod.

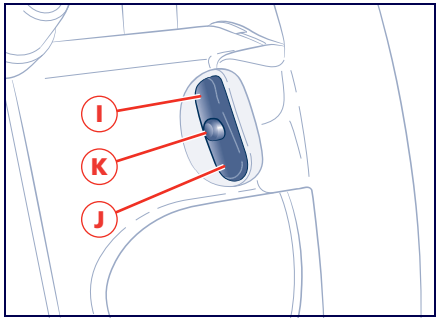
H - Mute function on/off.

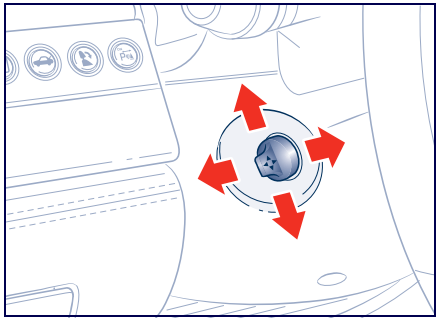
I - Radio mode: radio frequency shift to the next station in preset steps, starting from the station currently tuned in.
SIRIUS Satellite Radio Mode (where available): goes to the following radio channel starting from the station currently tuned in.
CD, MP3, Jukebox, USB and iPod mode: selects the next folder.
Menu: scrolls through the menus.

J - Radio mode: radio frequency shift to the previous station in preset steps, starting from the station currently tuned in.
SIRIUS Satellite Radio Mode (where available): goes to the previous radio channel starting from the station currently tuned in.
CD, MP3, Jukebox, USB and iPod mode: selects the previous folder.
Menu: scrolls through the menus.

K - Confirms the function, item or value selected.

Ref. 28 Steering wheel height and depth adjustment control (see page 128)





Dashboard

Ref. 31 Controls to the left of the steering wheel

A - Light switch.

B - Fuel tank flap opening button.

C - Luggage compartment lid opening button.

D - Rear central headrest tilting button.

E - Front parking sensors activation (optional).

Ref. 32 Controls on driver's door

A - Rear power window lock/unlock control.

B - Easy entry/exit system deactivation device.

C - Rear left-hand power window control.

D - Rear right-hand power window control.

E - Front left-hand power window control.

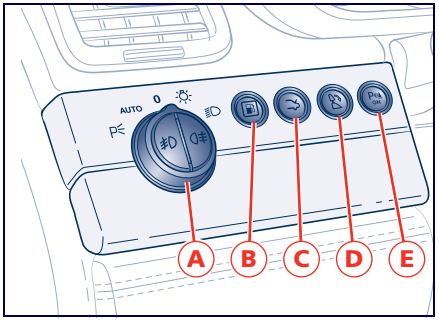
F - Front right-hand power window control.

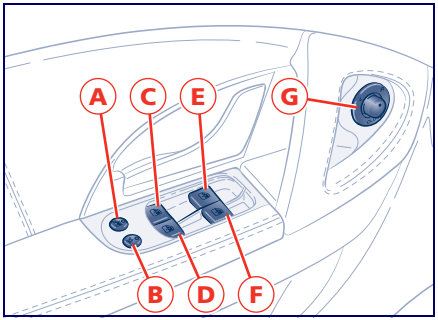
G - External rear-view mirror control.

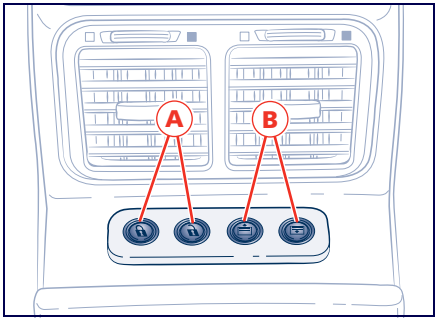
Rear tunnel controls

A - Door lock/unlock buttons.

B - Sunshade raising/lowering buttons.







Dashboard

Rear vents

A - Central vents on tunnel.

B - Side vents on pillars.

Ref. 35 Roof controls

A - Alarm system anti-lift feature cut-out.

B - Alarm system motion sensors cut-out.

C - Telephone handsfree microphone.

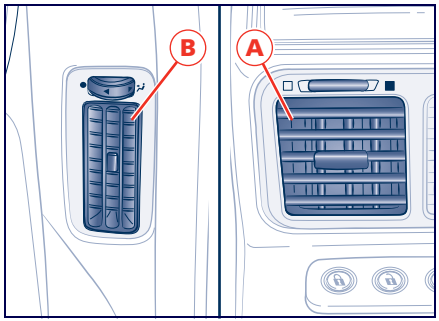
D - Passenger's airbag deactivation warning light.

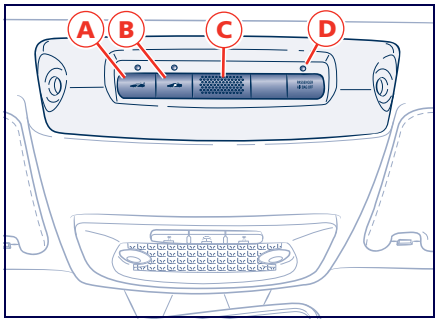
Ref. 36 Controls on front dome lamp fixture

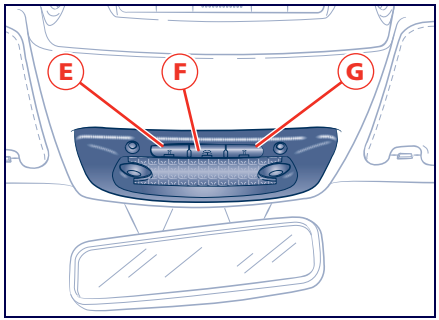
E - LH side light switch.

F - Central light switch.

G - RH side light switch.







Instrument panel

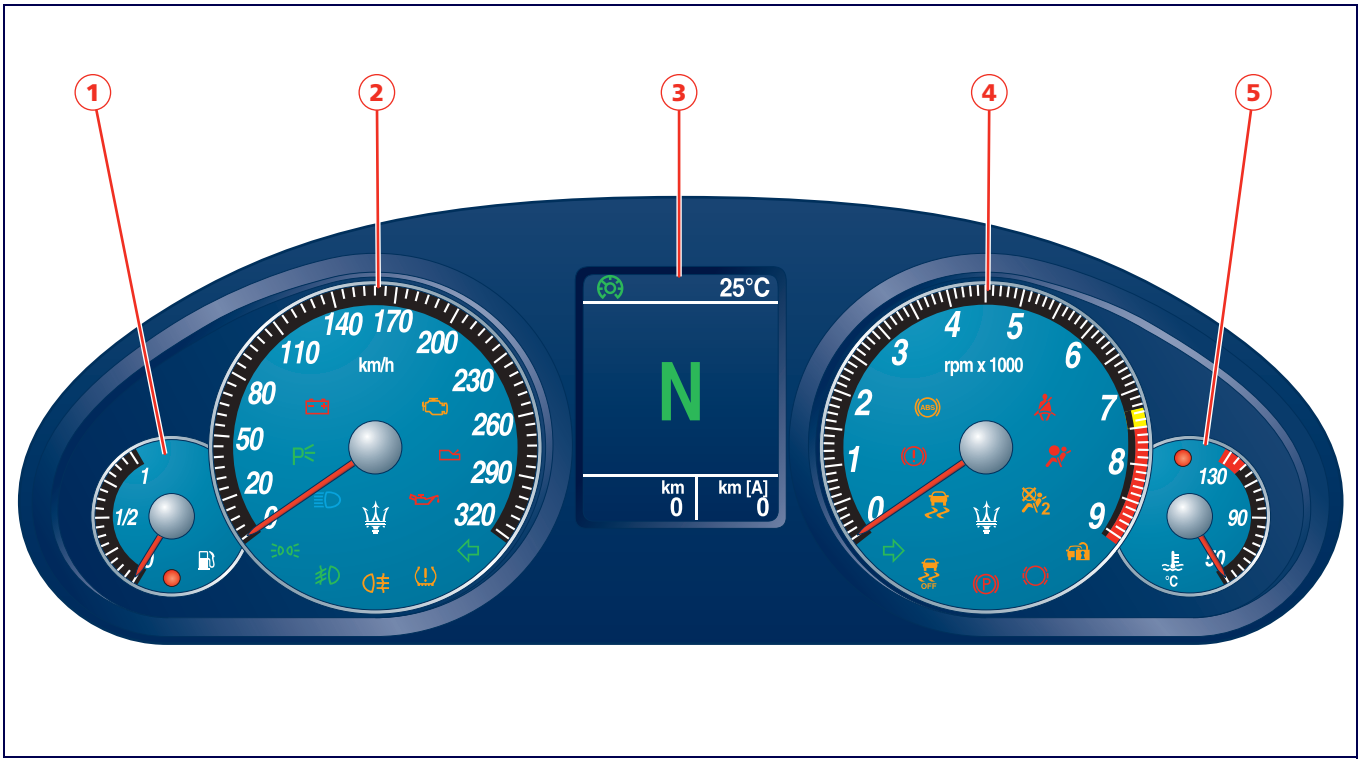
1) Fuel level gauge and low fuel warning light.

2) Tachometer.

3) Display.

4) Rev. Counter.

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 high beams 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.

Alternator failure

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

Engine diagnosis system failure (EOBD) (*)

Under normal conditions, this warning light should switch on when the ignition key is turned to the **MAR** position and switch off as soon as the engine is started. 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.
Under these conditions you can proceed 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 the **Maserati Service Network** 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** position, if the warning light does not switch on or if it switches on while driving, contact the **Maserati Service Network** as soon as possible.

Automatic Gearbox failure (*)

Depending on the message displayed it signals:

– Gearbox failure.

If the failure permits, slowly drive to the nearest **Maserati Service Centre**.

– 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 164.

Low oil pressure (*)

Under normal conditions, the warning light should illuminate when the ignition key is turned to **MAR** and should go off as soon as the engine is started.
If the warning light remains on or illuminates while driving, this indicates a too low engine oil pressure. In this case, turn the engine off immediately and carry out the necessary checks.
If the problem persists, contact the **Maserati Service Network**.
If it flashes, it indicates a failure of the engine oil pressure sensor.

Tyre pressure (*)

This warning light is connected to the tyre pressure monitoring system.
In normal conditions, the warning light should illuminate when the ignition key is turned to **MAR** 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 tyres.

Low brake fluid warning light (*)

This warning light 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 **Centre of the Maserati Service Network**.

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 the Maserati Service Network before continuing your trip.

ABS system failure (*)

This warning light illuminates when the ABS system is not functioning. The normal braking system remains operational, but it is advisable to contact the **Maserati Service Network** as soon as possible.

Seat belts (*)

This switches on when the driver's seat belt is not fastened or fastened improperly.

Airbag/pre-tensioner failure (*)

This indicates that the pre-tensioner and/or airbag system is/are inefficient.

Turning the key to MAR, 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 the Maserati Service Network.

Passenger's airbag deactivated

This warning light switches on when the passenger's airbag is deactivated.

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 the **the Maserati Service Network**.

Parking brake engaged

The warning light comes on when the parking brake is operated.

ESC system failure (*)

This warning light indicates an ESC system malfunction.
Contact the **Maserati Service Network**.

ESC system deactivation (*)

This warning light illuminates when the ESC system is deactivated.

Right-hand direction indicators

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

Left-hand direction indicators

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

Warning lights on the display

Inertia switch, fuel cut-out enabled

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

After impact, if fuel is smelt or leakage is noted from the fuel system, do not reactivate the switch in order to prevent the risk of fire.

Windscreen washer fluid

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

Cruise Control

This indicates that the constant speed regulator, Cruise Control, is active.

Lights failure

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

(*) Viewed on the display as well

Stop lights failure

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

Twilight sensor failure

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

Catalyst temperature too high

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

IF THE WARNING LIGHT IS ACCOMPANIED BY THE MESSAGE "HIGH CATALYSTS TEMPERATURE SLOW DOWN": the temperature of the catalytic converters is too high. The driver must slow down immediately until the warning light turns off.

IF THE MESSAGE "EXCESSIVE CATALYSTS TEMPERATURE DO NOT DRIVE ON" APPEARS AFTER DECELERATING: the temperature in the catalytic converters has reached a dangerous level and the catalytic converters could be damaged. Drive slowly to the nearest workshop.

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

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. Drive slowly to the nearest **Maserati Service Centre**, watching out for the stiffened steering.

Low engine oil level

Indicates that the engine oil level is low; to check it see page 242.

Excessive coolant temperature

Combined with the "Coolant thermometer", it illuminates together with the warning light on the instrument panel and indicates an excessive temperature of the coolant. In this condition, stop the vehicle and have the cooling system checked by the **Maserati Service Network**.

Adaptive Light Control system failure

It indicates a failure of the automatic headlight aiming system.

ASR system failure

This warning light indicates that the **ASR** system is faulty. In the event of a failure, contact the **Maserati Service Network**.

Rain sensor failure

This indicates that the rain sensor is faulty.

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 that could be 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 recognised.

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 doors and lids that are either open or not properly closed.

Ice hazard

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

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

Seat heating

This indicates that the heating function is activated on one or more seats.

Seat ventilation

It indicates that the ventilation function is active on one or more seats.

Seat massage

It indicates that the massage function is active on one or more seats.

Self-adaptive seats

This warning light indicates that the self-adaptive function is active on one or more seats.

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 the **Maserati Service Network**.

Automatic gearbox setting

This indicates that the automatic gearbox feature is active.

Vehicle “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 ESC enabled.

"Low grip" function

This indicates that the low grip function is active

EPB automatic operation disabled

This warning light indicates that the EPB automatic activation/ deactivation function is disabled.

Instruments and gauges

Fuel level gauge

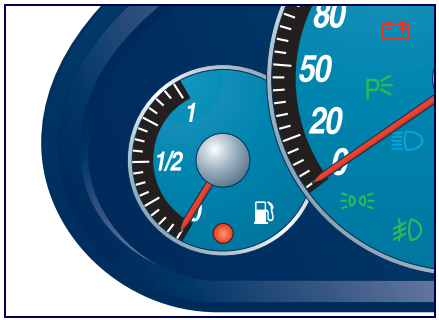
The lighting up of the warning light inside the gauge indicates that there are approx. 18 litres (4 UK gal) of fuel in the tank.

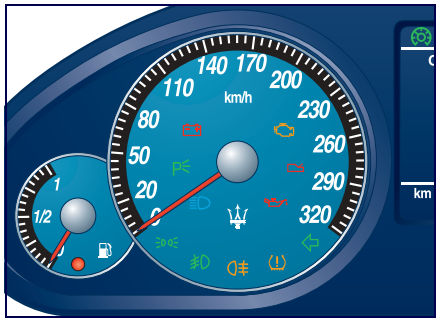
Tachometer

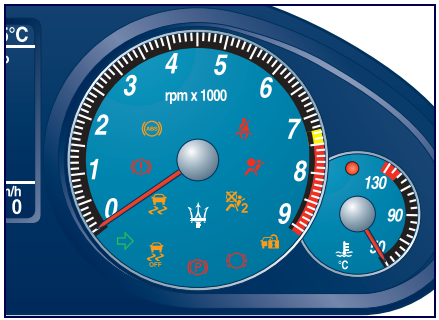
It indicates the vehicle speed. The gauge starts providing data when 4 Km/h (2.5 mph) are exceeded.

Rev. Counter

It indicates the engine's r.p.m. Proper driving allows the driver to exploit the engine performance fully, 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 switches on, stop the vehicle immediately and have the cooling system checked by the **Maserati Service Network**.

Display

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

– it provides general information while driving;

– it signals of 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.

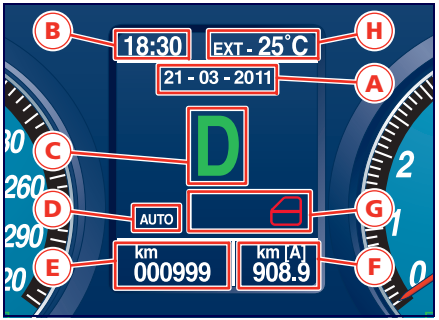
E - Total odometer.

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

G - Other symbols that may be displayed in icon form.

H - Outside temperature.

From the set-up menu in the Multi Media System, the user can also choose to have the information displayed for the Audio and Navigator repeated on the dashboard. For the relevant procedures and instructions, see the "Multi Media System" manual.



Instruments and gauges

Controls

MODE

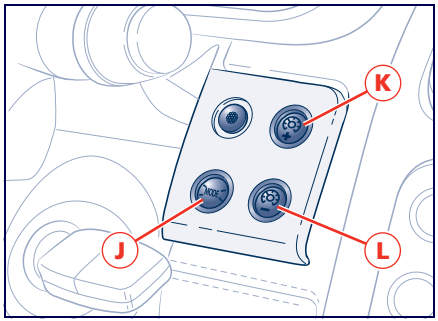
The screen page activation and setting is controlled by pressing the MODE (**J**), "+" (**K**) and "-" (**L**) buttons.
Pressing the MODE button (**J**) briefly will switch to the following screens in sequence:

– Trip A.
– Trip B.
– Tyre pressure (+).
– Left-hand front seat comfort (*).
– Right-hand front seat comforto (*).
– Option Selection.
– TPMS calibration (+).
– RPM indicator (SPORT GT-S).
– Standard.

(+) if equipped with tyre pressure monitoring system (TPMS).
(*) 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 (**J**) at length (over 2 seconds) the user will select the trip odometer information currently displayed, or the trip odometer A if the tachometric 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 , Odo A or Odo B, with the MODE (**J**) button and then pressing buttons "+ " and "-", the user will display the trip information selected (flashing) alternately.
When the "TPMS calibration" page is displayed, press button "+" to activate the calibration process.

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 by means of the set up menu of the Multi Media System (see Multi Media 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 through the set up menu of the Multi Media System.

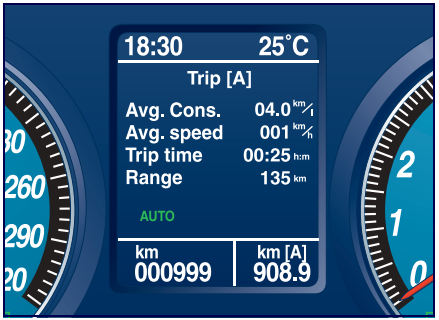
Tyre pressure screen page

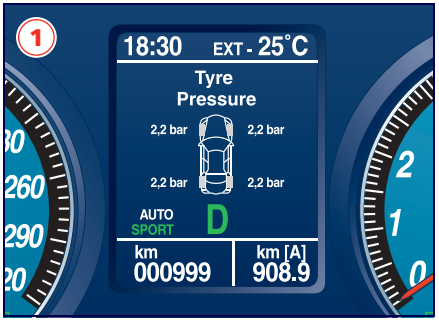
If the vehicle is equipped with the tyre pressure monitoring system (optional), by pressing the MODE (**J**) button the user will display information about the "Tyre Pressure".
This screen page is displayed for 10 seconds and, in normal conditions, it will appear as shown in the figure.
In addition, the system acknowledges the following conditions:

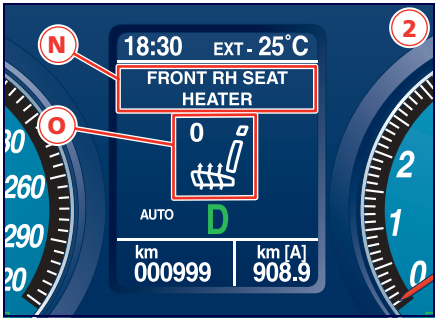
– system not calibrated;
– system failure;
– low pressure or puncture in one or more tyres.

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 (**J**) 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 are displayed for 10 seconds and appear as shown in Figures **2** and **3**.

Any change in the activation/ deactivation status or setting of one of the above functions will be displayed with a status message.

Option Selection Screen Page

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

– TRIP A distance.

– TRIP B distance.

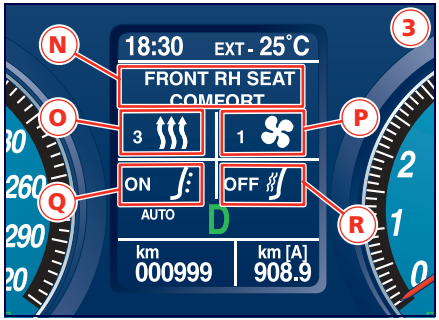
– Current speed repetition.

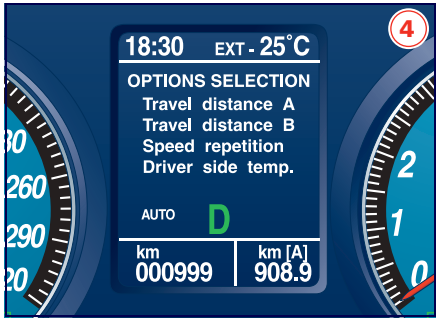
– Passenger compartment temperature on the driver's side.

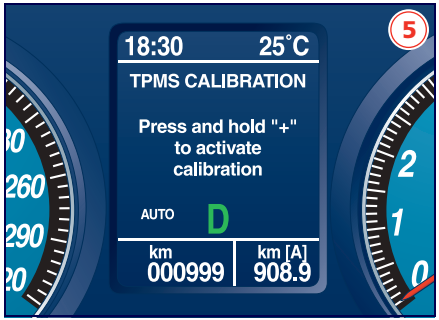
which will be displayed in area **F** (see page 78), within the standard screen page.
The screen page, shown in Fig. **4**, remains displayed for 10 seconds.
The options listed can be selected by pressing the "+" and "-" buttons and are confirmed by briefly pressing the MODE (**J**) button or simply not performing any operation for 10 seconds.

TPMS calibration page

In the event that: the system has not been calibrated, following replacement or reversal of one or more tires, the warning light (!) will illuminate on the instrument panel and the display will show the message warning the driver to calibrate the system.
To calibrate the system, you need to to select the "TPMS calibration" page by pressing the MODE (**J**) button. Subsequently press and hold button "+" to activate the calibration process.



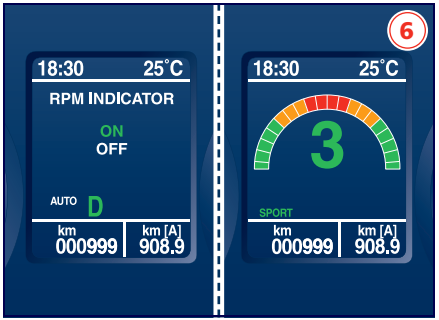




RPM indicator screen page (only Quattroporte SPORT GT S)

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

– ON (display enabled);
– OFF (display disabled).



Instruments and gauges

This function is activated if the user presses the MODE (**J**) button to confirm this option.
If the Audio or Navigator repetition mode is active on the Multi Media System, the virtual RPM indicator will not be displayed until the repetition feature is disabled (see Chapter 7 "System Configuration" on the Multi Media System manual).

Multi Media System configuration menu

By accessing the Configuration mode, the user can set-up the vehicle features.
The parameters that can be set are the following:

– Display configuration:
  • select the colour (choosing between day/night mode or automatic setting);
  • adjust the brightness ;

-Sound:
  • voice control volume;
  • speech synthesis setting;

– Language selection (Italian, English, Spanish, German, French, Dutch, American).
– Define vehicle parameters:
  • speed limit;
  • instrument panel buzzer volume;
  • door and luggage compartment locking;
  • info repetition on instrument panel;
  • Stop & Go parking sensors;
  • Easy Entry;
  • day lights.

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 indicators control is disabled.

Controls to the left of the steering wheel

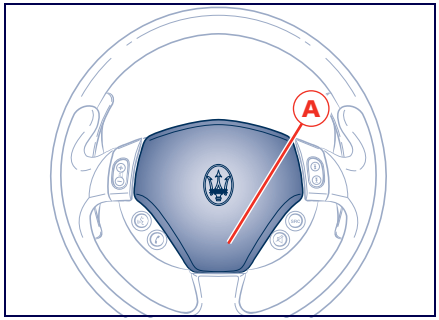
Front fog lights

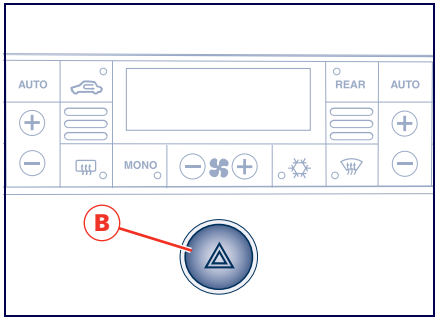
Press button **C** to switch on the front fog lights. They only work with the position lights or low beams on. The LED on the button switches on when the lights are on.

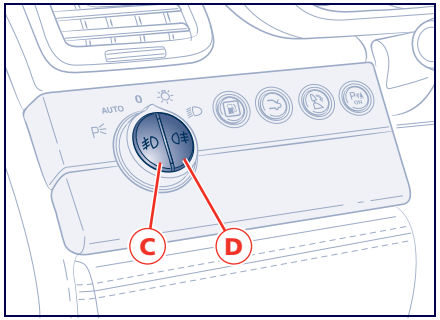
Rear fog lights

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

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







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**.

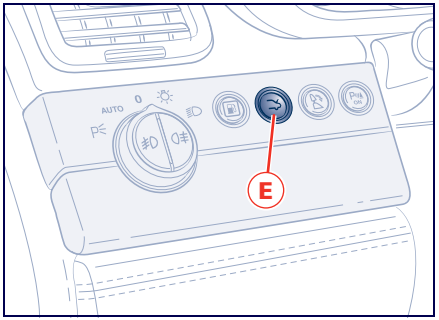
Opening the fuel tank flap

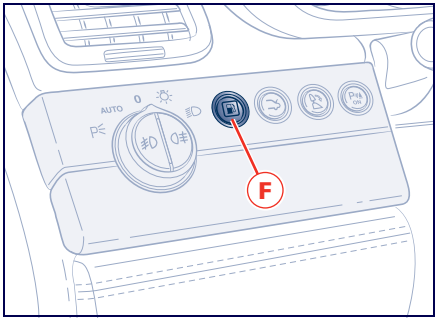
Press button **F** to open the fuel tank flap on the rear right-hand side of the vehicle.
This button can be operated only when the ignition key is removed or in the **STOP** position.

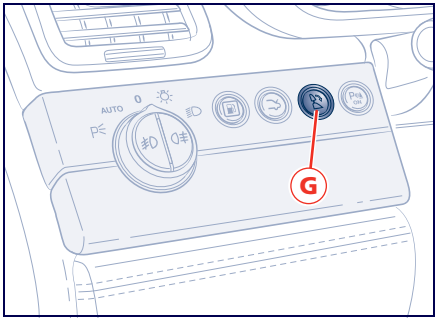
Rear central headrest tilting

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

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







Controls

Activating the front parking sensors

The front parking sensors can be deactivated by pressing button **H**. When these sensors are cut-out, the LED on the button turns on. To reactivate the sensors, press button **H** again.

Controls to the right of the steering wheel

Instrument panel display controls (see page 79).

Setting the instruments and gauges' brightness

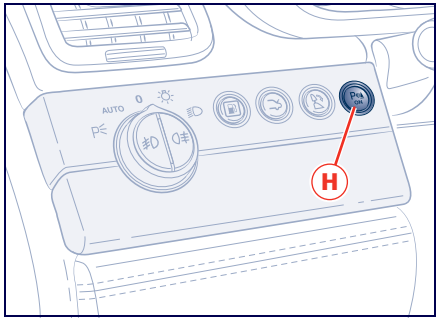
With the external lights turned on, press button **J** or **K** to increase or decrease the brightness for the instruments and gauges.

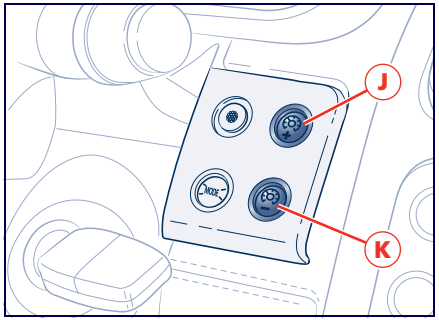
MODE

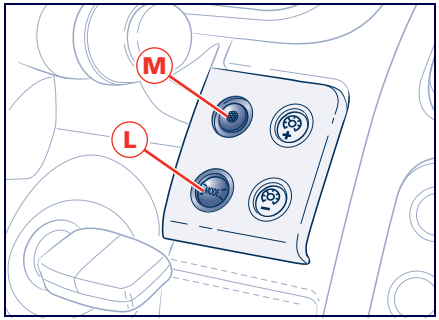
Pressing button **L** will select the screen pages to be viewed on the instrument panel display.

AudioPilot® Sensor

The sensor **M** detects the surrounding noise and consequently adjusts the stereo equalizer (see page 147).







Side buttons on the Multi Media System display

Lock set release and locking

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

Sunshade movement

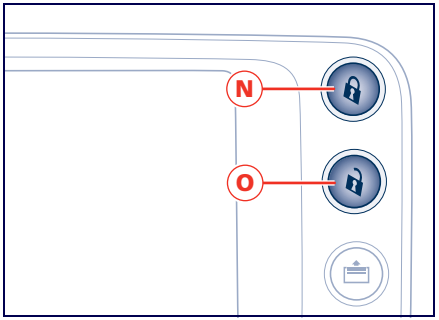
Press button **P** to raise the sunshade and button **Q** to lower it.
The buttons are found both on the front and on the rear dashboard.

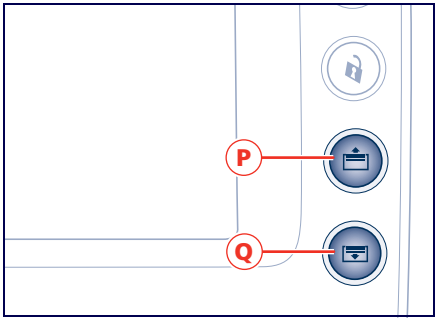
WARNING: If the sunshade guide needs to be cleaned with solvents, it must then be greased in the area where the sunshade slides using Teflon based grease.

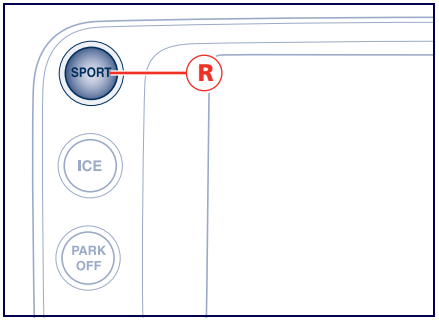
WARNING: If, within a time period of 25 seconds, the sunshades are raised and lowered at least 4 times, the relative control will disable them for 30 seconds. Before disabling the sunshade, the system will complete the movement in progress. The last movement accepted will be opposite to the starting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

SPORT mode

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







Low grip (ICE)

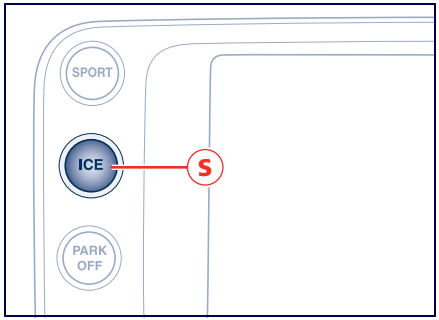
This mode can be used on particularly slippery road surfaces (e.g., rain, snow, ice). To activate/deactivate this mode, press button **S**.
When the function is active, the word ICE lights up on the display.

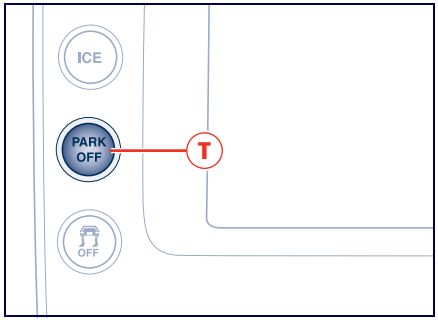
PARK OFF

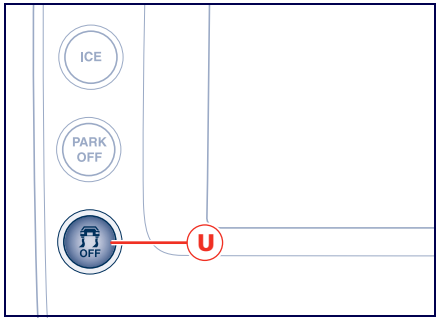
This function allows the user to deactivate automatic engagement of the electric parking brake (EPB) (see page 183). Press the button **T** to deactivate/reactivate the function.

ESC System

The **ESC** system activates automatically every time the engine is started.
The system can be activated or deactivated while driving by pressing button S. To avoid deactivating the system inadvertently, press and hold the button for approx. 2 seconds to deactivate the **ESC** system.
When the system is deactivated, the dark yellow warning light OFF illuminates on the instrument panel and on the display, where it is accompanied by a specific message.







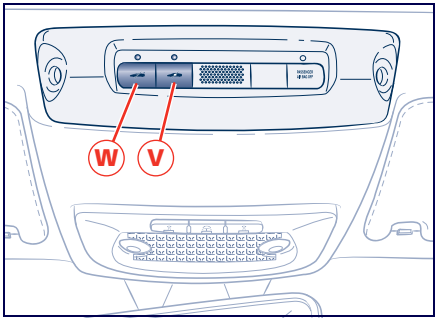
Roof controls

Deactivating the alarm system motion sensors

Pressing button **V,** when the key is on **MAR** or within one minute from turning the engine off (key at **STOP**), 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 **W,** when the key is on **MAR** or within one minute from turning the engine off (key at **STOP**), 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

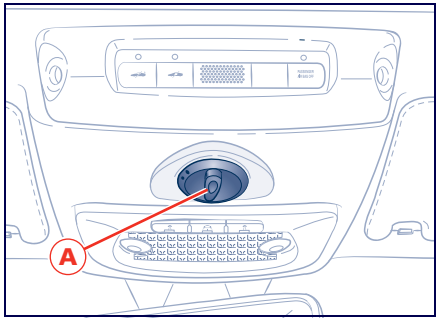
WARNING: deactivation of the motion sensing and anti-lift alarm devices remains memorised until the following alarm system activation. Therefore, if these devices are deactivated but the alarm system is not activated within a very short time, their deactivation will remain memorised until the next system activation, regardless of whether the vehicle is on or off.

Internal outfits

Sunroof (optional)

The sunroof is electrically controlled and can only be operated with the ignition key in the **MAR** position. It can slide lengthways and be raised at the rear (tilting).
The sunroof is equipped with a finger-trap prevention system that controls lengthways 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 water infiltrations from staining the fabric/ leather upholstery.



Improper use of the sunroof can however be dangerous, even if the finger-trap prevention system is fitted. 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 lengthways 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 deviate 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.

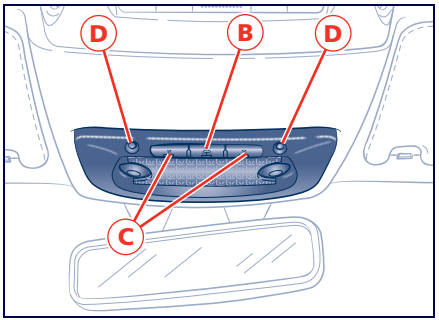
Front dome light

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 switched on, the two night LEDs **D** come on.

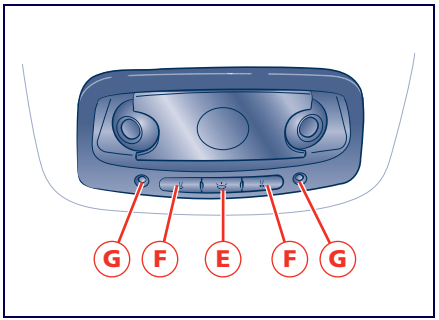
Opening one or more doors, the front and rear dome lights will turn on for approx. 3 minutes. If the door is closed before this time has elapsed, the lights will switch off after about 10 seconds.
Upon removing the key from the switch and activating the centralised door lock with the remote control, 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 switch 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 switched on, the two night LEDs **G** come on.



Internal outfits



Sun visors

The sun visors 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 **H**.
By lowering the visor on the passenger's side you can access the courtesy mirror with incorporated light; the latter switches on automatically (with the ignition key in the **MAR** position) raising the mirror protective cover. Before raising the visor, close the mirror cover.

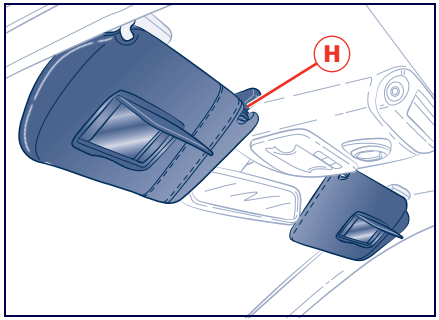
Clock

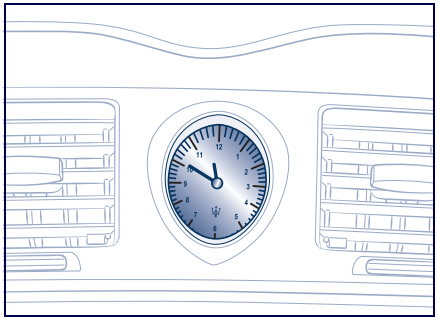
The clock is adjusted automatically by setting the time with the Multi Media System.
The clock lights up when the external lights are turned on.

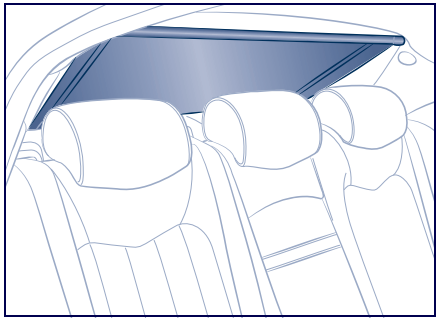
Rear window sunshade

The electrical sun shade works with the ignition key in the **MAR** position.
The switch 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 **I** to raise the sunshade and button **J** 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 deactivating 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)

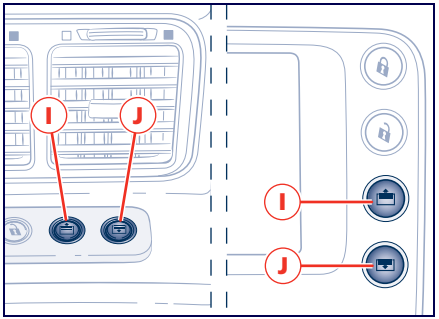
Housed on the rear doors, they roll up automatically. To pull out the sunshade, pull on the grip **K** and latch it into the catches **L** located on the top edge of the door.

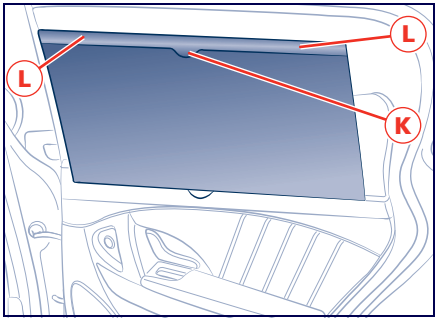
Front ashtray and cigarette lighter

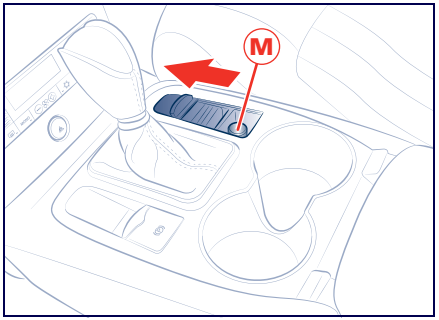
They are found on the central console, hidden by a cover. To open the cover, slide it forward.
Pressing button **M** operates the cigarette lighter. After about 20 seconds this returns automatically to the initial position and is ready for use. Remove the tray in order to clean the ashtray.

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!







Internal outfits

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 button **N** fully down operates 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 centre console

It is positioned behind the gearshift lever.

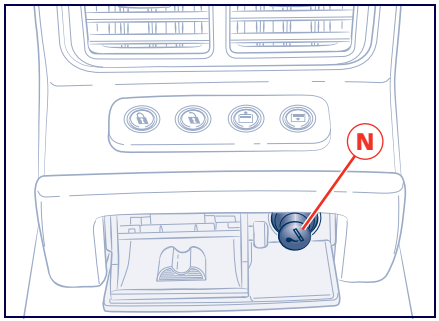
Glove compartment

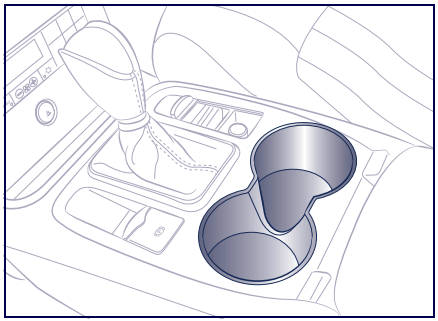
Positioned in the lower part of the dashboard, on the passenger side, it can be opened pressing button **O**. The latter only works with the ignition key turned to **MAR** and for about 10 minutes after having extracted the key or rotated it to the **STOP** position.
The compartment is lit by a courtesy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

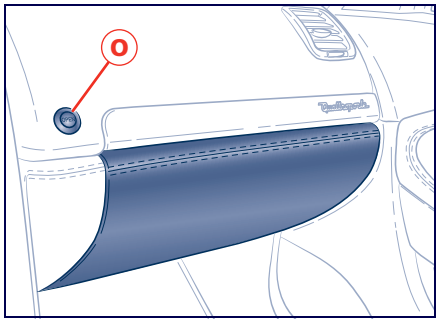
To ensure passenger safety, the compartment must always remain closed while driving.

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 10 kg (22 lb) in the glove compartment.







Glove box

The left-hand side of the dashboard houses a tilting glove box.
To open it, raise the handle **P**.
To close it, push it into its seat until it locks.

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

Beverage cooler

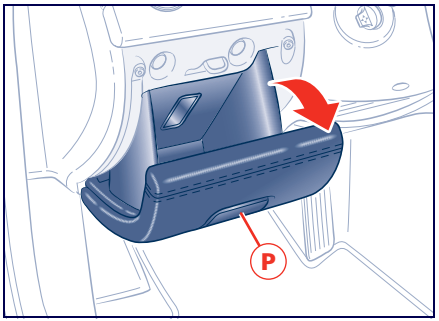
The front armrest houses a lit beverage holder into which air is conveyed directly from the air conditioning system.
To access the compartment, lift the armrest while pushing the internal handle (see page 122).
To activate the air-conditioning/ventilation inside the compartment, move control **Q** upwards. To stop it, lower back the control.

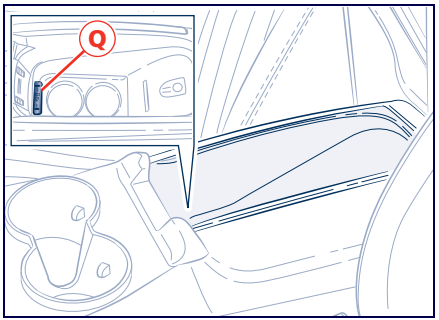
WARNING: The temperature of the air inside the beverage cooler is the same that as that coming out from the air conditioning/heating vents, it therefore depends on the temperature set via the relative control panel.

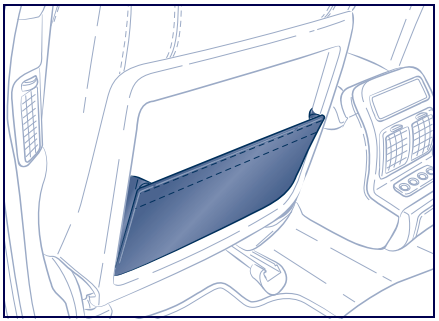
Map pockets

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 **R** can rotate until reaching a vertical position. A return spring automatically repositions the handhold in the horizontal position. The rear handholds also include a cloth hook, **S**.

Tables (optional)

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

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

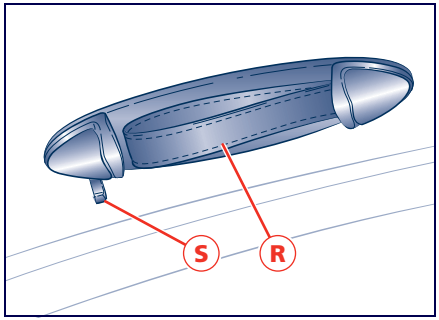
When travelling with one or more child seats fitted on the rear seat of the vehicle, the tables must be in the closed position.

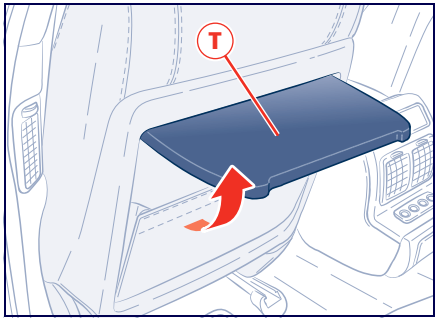
When closing the table always guide it down: risk of crushing.

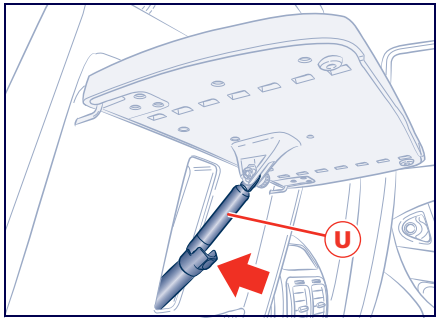
WARNING: As the table is not equipped with holding devices, do not place open drinks containers on the tables during the journey, as the surrounding upholstery could be stained or damaged if they fall over.

Closing: press the support bracket **U** to release the mechanism and then lower the table **T**.

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

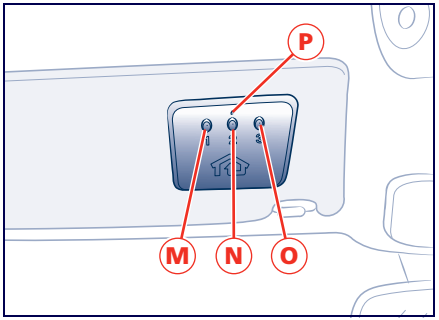






HomeLink (optional)

This system allows you to control automatic gate and garage door opening devices, as well as lighting or alarm systems from inside the vehicle. It is programmable directly on the transmitting station by means of the original remote controls for the devices to be controlled, and is compatible with the existing systems. The control and programming panel is composed of three buttons: **M, N, O** and a LED **P**.



Internal outfits

Customer Service

If you have any problems with configuring and programming the HomeLink system or if you would like to know what devices can be connected to it, call the toll-free number 008000 466 345 65 or visit the Web site www.eurohomelink.com .

Safety Precautions

For using the HomeLink feature, follow the instructions and safety indications given in the User Manual that the manufacturer must provide together with the device to be controlled. If you do not have this manual, request it from the supplier. Before opening or closing a gate or door make sure that the procedure can be performed in thorough safety, i.e. make sure that you can see the whole range of action of the gate or door and also check that there are no persons, animals or other objects within this range.

General information

While programming HomeLink, it is advisable to disconnect the drive motor of the gate/door to be remote-controlled, since the numerous driving pulses launched for this operation might damage it.
If the battery fails or is disconnected, the stored settings are not deleted.
If the gate/door was manufactured prior to 1982 (not equipped with safety systems or automatic stop in the event of an obstacle in the range of action), the gate/door cannot be controlled by HomeLink.
For more information in this regard, please contact the Customer Service.

Configuration according to the country of use

The system is normally set to the operating mode for the country where the vehicle is sold.
Procedure for selecting the country of operation:

1) press and hold buttons **M** and **O**;

2) after approx. 20 seconds the LED **P** starts flashing, indicating that all the three programmable channels have been reset;

3) hold down buttons **M** and **O** until the LED goes off (about 10 seconds) then release the buttons;

4) press buttons **M** and **O** again;

5) after one second, press button **N**; when it is released, the LED **P** starts flashing; the number of flashes shows the operating mode for the country (see the table "Countries of Operation");

6) press button **N** when reaching the number of flashes corresponding to the relative country.

At the end of the flashing cycle (4 flashes), the flashing sequence restarts from scratch.

"Countries of Operation" table

No. of LED flashes	Mode	Countries covered
1	Rest of Europe	A, B, CZ, CY, DK, FIN, D, GBZ, GR, H, IRL, IS, L, M, NL, N, PL, DOM, P, SK, E, S, CH, FL, ZA, UAE, RCH, EST, LT, SLO, RUS, LV
2	France	F, KWT, MC
3	United Kingdom	GB, KWT, SA
4	Italy	I, AUS, HKJ, AND

Programming

– press and hold buttons **M** and **O**;
– after about 20 seconds, the LED **P** starts flashing;
– release the buttons;
– hold the remote control for the device to be controlled close to the HomeLink control panel (0-30 cm);
– simultaneously press and hold the button on the hand-held remote control and one of the three HomeLink buttons **M, N or O;**
– if the programming procedure has been successfully completed, the LED **P** will flash faster;
– release the buttons.

To program the other buttons, 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 Home Link button;
– the LED **P** remains on while the signal is being transmitted.

The devices controlled through the HomeLink function can always be activated using the original remote controls.

Should the so programmed HomeLink not activate the system to be controlled, this may be due to the fact that this system is controlled by a remote control with an alternate code.

An alternate activation code can be recognised in the following ways:

– Consulting the instruction manual provided with the device to be controlled.
– Despite the fact that the HomeLink programming procedure has been carried out correctly, the HomeLink function does not activate the device.
– Holding the dedicated HomeLink button pressed down, the LED briefly flashes fast and then remains on for 2 seconds; this sequence is repeated for about 20 seconds.

Programming devices controlled by alternate code

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

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

– Briefly press the HomeLink button you have chosen to control the device;
– press it a second time; when it is released the operation should be completed. For some types of motors, the button might have to be pressed a third time.

Reprogramming an individual button

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

– press and hold the HomeLink button selected;
– after about 20 seconds, the LED **P** starts flashing; hold the button down;
– hold the original remote control of the device to be controlled close to the HomeLink control panel (0-30 cm);
– press and hold the button on the original remote control;
– if the programming procedure has been successfully completed, the LED **P** will flash faster;
– release both buttons.

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

Deleting the programmed buttons

Unlike programming, which is performed for each individual button, all three buttons are deleted simultaneously.
To delete proceed as follows:

– press and hold buttons **M** and **O**;
– after about 20 seconds, the LED **P** starts flashing;
– release the buttons.

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

Before you drive

Doors

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

Opening doors from the outside

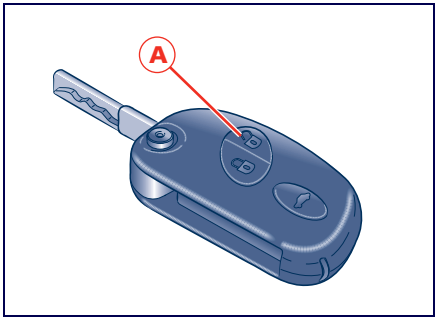
Switch off the alarm and the centralised locking system by pressing button **A** on the radio control (see charter "Electronic alarm system", page 115) or insert and turn the key in the lock on one of the front doors. To open the door, press button **C** on the inside of each handle.
The vehicle is equipped with power locks which move the mechanical parts during door-opening manoeuvres.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-colour (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.

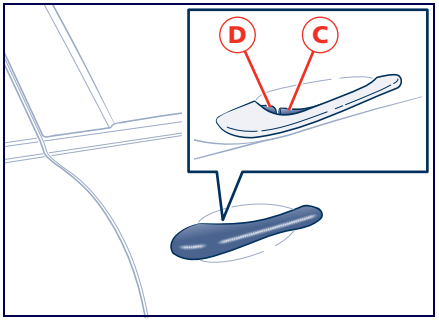
WARNING: The door LEDs remain lit for approximately 3 seconds and therefore, in normal conditions, the LEDs are switched off.

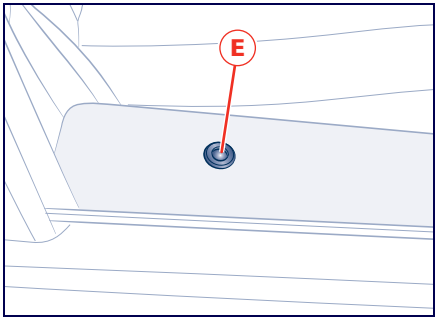
When the alarm system is switched on and the doors are locked, the LEDs on the doors flash.
The remote control allows you to operate the centralised opening of all the doors or only the driver's door depending on the setting in the Multi Media System.
If, when the doors are closed from outside, one or 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**.







Opening from the inside

To open the door, even if the lock is engaged, pull the internal handle **F**. There are two buttons on the front and rear central dashboards which operate the door lock engage and release functions:
G – engaging the locks.
H – releasing the locks.

WARNING: By pulling the internal handle on the driver's door, all the locks can be released at the same time or just the driver's door, depending on how the Multi Media System settings.

Doors open warning lights

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

Rear door internal locking device (child safety device)

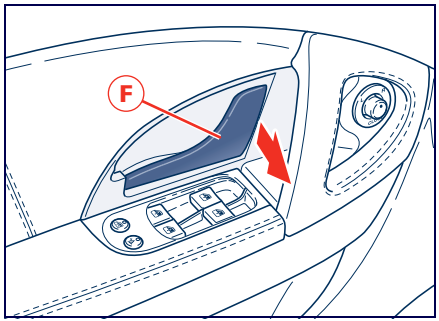
This device is used to prevent the rear doors from being opened from the inside.
It is activated/deactivated by turning (using the tip of the ignition key) the device **J** to position:

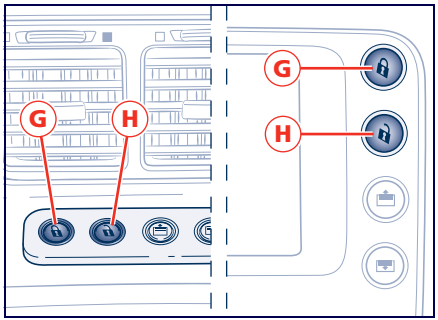
1) device deactivated (unlocked)

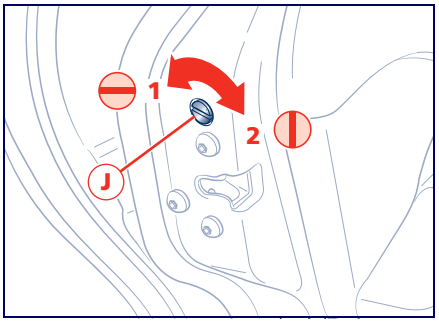
2) device activated (locked)

WARNING: Once the child safety lock has been activated, always remove the key to prevent damaging it in the event of accidental closing of the door.

The child safety lock is activated separately for the two rear doors.







In the event of activation of the inertia switch, the doors are electrically unlocked; if the child safety lock is enabled, the rear doors can only be opened from the outside.

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

WARNING: With the doors locked and the child safety lock enabled, if the battery is flat or malfunctions, the rear doors remain locked both from the inside and the outside.

Always use this device when carrying children, to prevent them opening the doors while the vehicle is moving.

Automatic door locking over 20 km/h

Using the Multi Media System the doors, engine and luggage compartment lids and fuel tank flap can be set to lock automatically when the vehicle's speed exceeds 20 km/h (12 mph).
For activating/deactivating this function, please consult the "Multi Media System" manual.

WARNING: If you need to have the vehicle tested on a roller bench with nobody onboard, you must verify, through the vehicle set-up menu, that the automatic door locking feature - that is activated upon exceeding 20 Km/h is disabled, or that a window is open, or that you have ad 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 can be automatically released to allow rescuers to access the passenger compartment from outside.

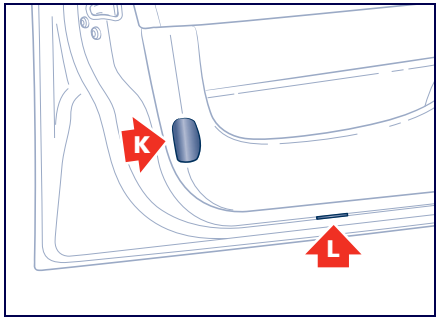
If the centralised locking has been activated from the inside and, following a collision, the inertia switch was unable to activate the door release function due to loss of the battery or damage to it, it will not be possible to access the passenger compartment from outside. However, whether the doors can be opened or not depends on the condition they are in and, in fact, if a door is bent 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 initialisation

Every time the battery is connected or a fuse replaced, to restore correct operation, the system initialisation 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 **K** fitted on the side of the door panel.



Underdoor courtesy light

Each door panel is fitted, on the lower side, with a courtesy light **L** 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 so accidentally engage gears.

Power windows

Finger-trap prevention device

Thanks to the anti-trapping strips, the system is capable of detecting 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** position.
If there are no system malfunctions the window operation will return to normal. If this is not the case, contact the **Maserati Service Network**.
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** position.

Improper use of the sunroof can however 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 that could be dragged or hit by it. When getting out the vehicle, always remove the ignition key to prevent the windows being accidentally 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 the controls for operating all of the power windows, while the other door panels are only equipped with the control for operating the relative window.

A - Front left-hand window opening/ closing;

B - Front right-hand window opening/ closing;

C - Rear left-hand window opening/ closing;

D - Rear right-hand window openring/ closing;

E - Deactivation/activation of power window controls on the rear doors. The controls are disabled when the LED on the button is illuminated.

Centralised windows and sunroof closing/opening

The centralised windows and sunroof closing/opening can be activated in the following conditions:
- ignition key removed;
- all doors properly closed.

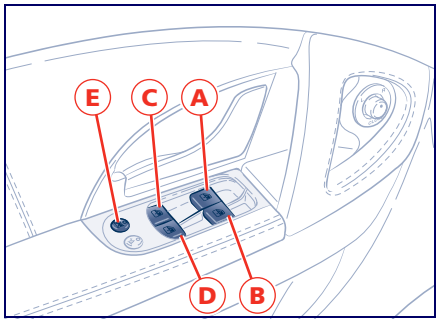
To activate the centralised windows and sunroof closing, keep button **G** on the remote control pressed down for over 2 seconds after the doors have been closed. The power windows and sunroof move automatically until fully closed or until the button is released.

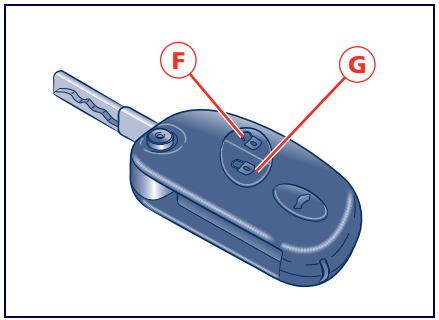
WARNING: Before leaving the vehicle, it is advisable to check the windows are completely closed.

To activate the centralised windows and sunroof opening, keep button **F** on the remote control pressed down for over 2 seconds after the doors have been opened; the power windows and sunroof move automatically until fully open or until the button is released.

WARNING: Before activating the alarm system, check that all the windows and the sunroof are closed to prevent the alarm being inadvertently triggered.

Improper use of the power windows and of the sunroof can however be dangerous, even if the finger-trap prevention system is fitted. Before and during the sunroof operation, always make sure that passengers are not exposed to the risk of injuries caused both by the moving windows and the roof and by personal objects dragged or hit by the sunroof and the windows themselves. When getting out the vehicle, always remove the ignition key to prevent the windows being accidentally activated, posing a risk to passengers remaining onboard.





Engine compartment lid

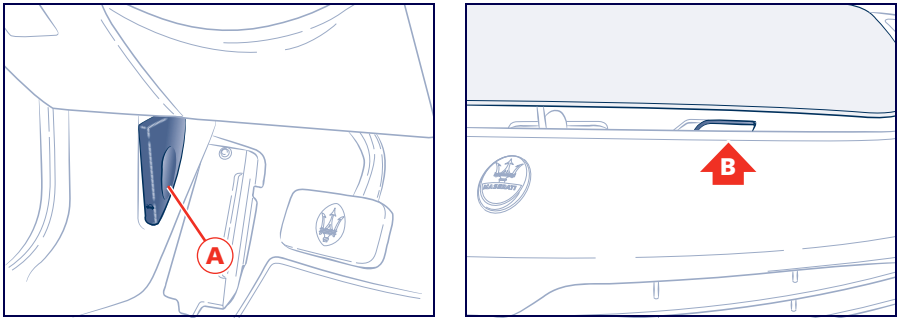
To open the engine compartment lid: pull lever **A** located on the lower left-hand side of the dashboard.

Disengage the safety latch by lifting 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 20 cm (8 in) 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

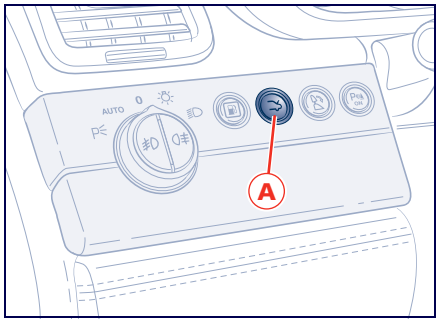
Luggage compartment

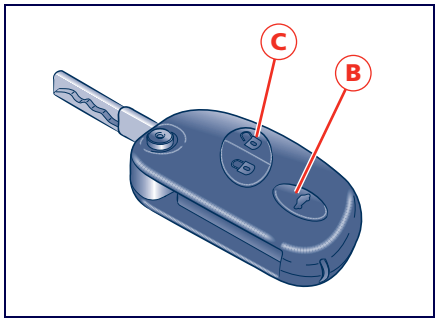
The luggage compartment lid can be opened from the inside or outside of the vehicle. Button **A**, used to open the lid from inside the passenger compartment, is located on the left of the steering wheel; operation is only possible with the ignition key removed or in the **STOP** and **ACC** position.
To open the luggage compartment lid from the outside, press button B on the ignition key or insert the key in the lock on 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 Multi Media System settings, the luggage compartment may be unlocked also using the door unlock control **C**, see the section 7 "System Configuration" in the Multi Media System manual.
If the lock is released, to open the luggage compartment lid simply press the button under the number plate lights fixing mount.
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. The struts are calibrated to guarantee proper operation with the weights specified by the manufacturer. Arbitrary additions of objects (spoilers, parcel racks, etc.) can jeopardise proper operation and safety in the use of the luggage compartment lid.

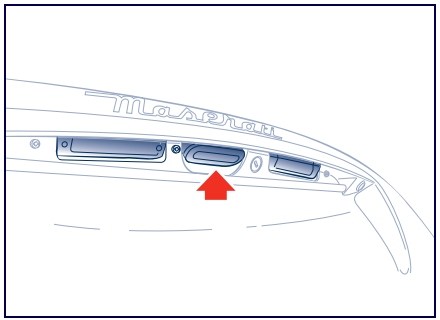
When using the luggage compartment, never exceed the maximum loads allowed (see section on "Capacities and Technical Specifications"). Also check that the objects contained in the luggage compartment are arranged properly.

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 switch 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.







Luggage compartment

Fuel tank flap

The fuel tank flap is found on the rear, left-hand side of the vehicle. To open the flap, 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 result in a slight pressure increase in the tank. Any hissing noise whilst the cap is being released is therefore completely normal.
When refuelling, the cap must remain attached to the flap by means of the respective hook **B**.

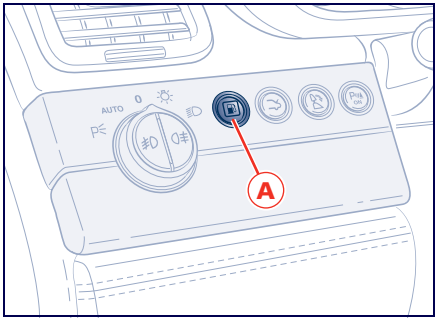
The cap is linked to the filler neck with a strap, so that it cannot be misplaced while refuelling.
The flap must be re-closed manually. Before closing the flap, check that the fuel filler cap is fully tightened.

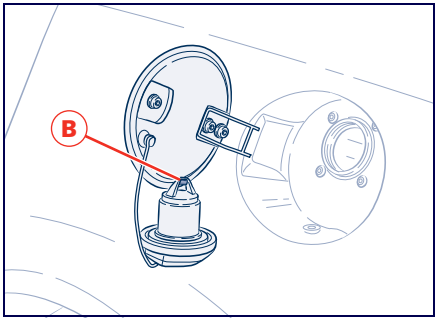
Never bring naked flames or lit cigarettes close to the filler: risk of fire!

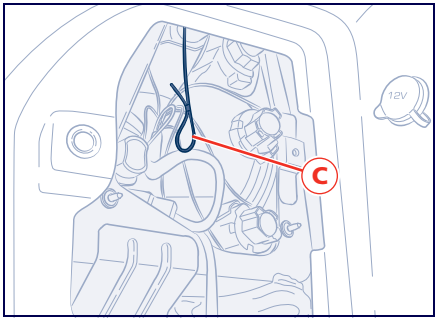
Also avoid putting your face close to the filler neck so as not to inhale noxious fumes.

Fuel tank flap emergency opening

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





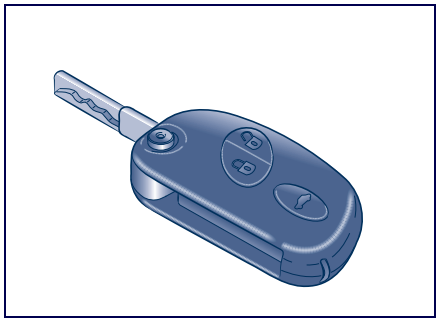


Fuel tank flap

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 recognised by the system.
Two keys are supplied with the vehicle.



The key can be used for:

– start-up;
– door central locking;
– activating/deactivating the passenger's airbag (on vehicles equipped with manual deactivation system);
– 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** , upon engine start-up:
1) If the code is acknowledged, the warning light CODE on the instrument panel will off within a second, while the EOBD warning light, once the ECU diagnosis cycle has been completed, will switch off after about four seconds. Under these conditions, the protection system recognizes the key code and deactivates the engine immobilizer. Turn the key to **AVV** to start the engine.

2) If the CODE warning light stays on and the EOBD one goes off after four seconds and then comes on again immediately, the code is not recognised. If this occurs, turn the key to **STOP** and then back to **MAR**. If the immobilizer stays on, try with the other keys. If you still cannot start the engine, try the emergency start procedure and contact the **Maserati Service Network.**

While driving, with the ignition key in the **MAR** 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** the engine and then back to **MAR**. 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 the **Maserati Service Network**.

2) If the CODE warning light flashes, it means that the vehicle is not protected by the immobilizer device. Contact the **Maserati Service Network** immediately to have the codes of all the keys stored 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 memorising (up to maximum of 7 keys) must be carried out on all the keys, including those already in your possession. Contact the **Maserati Service Network** 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 LEDs CODE will light up with a fixed light, the LED EOBD will go out after four seconds and then will come on immediately: the engine will not start. The engine can only be started with the emergency procedure.

WARNING: We recommended that you read the whole procedure through carefully 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**: the CODE and EOBD warning lights are on.

3) Press the accelerator pedal fully down and keep it pressed. Approximately 8 seconds later, the EOBD warning light will go off. Release the accelerator and get ready to count the number of times the EOBD 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 EOBD warning light goes off, after being lit on for approximately 4 seconds; you can now release the accelerator pedal.

5) The EOBD 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 EOBD warning light comes on for 4 seconds and then goes off; you can now release the accelerator pedal.

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

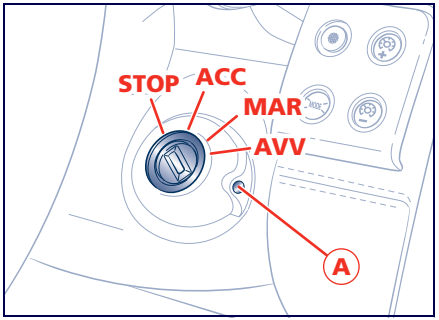
9) Start the engine turning the key from **MAR** to **AVV**.

If the EOBD 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 the **Maserati Service Network**, 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 in 4 positions:
STOP - Engine off, engine immobiliser 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 - Driving position. All electrical devices can operate.
AVV - Engine start-up.



Ignition switch

When you get out of the vehicle, always remove the key to avoid activating the controls.

WARNING: The ignition key can only be removed from the switch when the gearshift lever is in position **P** (see page 154). 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** 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.**

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

In the event of tampering with the ignition switch (e.g. attempted theft), have it checked by the Maserati Service Network before continuing travelling.

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

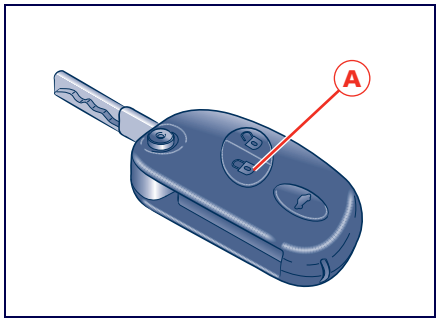
Never leave children unattended in the vehicle.

Electronic alarm system

The electronic alarm system performs the following functions:

– remote centralised 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 guaranteed by the Maserati CODE system, which is automatically activated when the ignition key is removed from the starter switch.



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 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 perfectly closed 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 the **Maserati Service Network** to have the system checked.

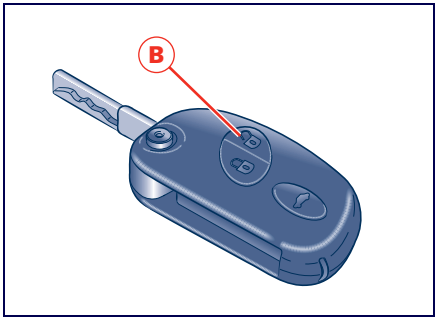
Deactivation

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;
– 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

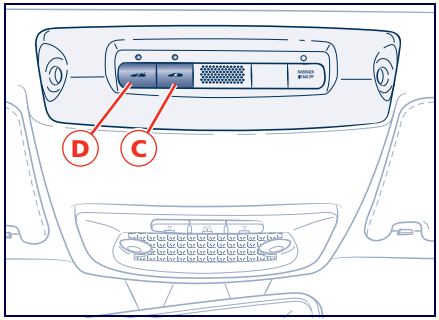
When the remote control battery is flat, to access the vehicle you must insert the key in the lock on one of the two front doors and turn it clockwise to release it: the alarm will sound but you will have to continue with the normal starting procedure regardless. The alarm will switch off.

Overriding volumetric protection

Volumetric protection can also be overridden by pressing button **C**, located in the roof panel, with the key in the **MAR** position or within one minute of turning off the engine (key in the **STOP** position). When this function is deactivated, the warning light on the button flashes for about three seconds and then goes out.

Overriding the anti-lift protection

Pressing button **D**, with the key in the **MAR** position or within one minute of turning off the engine (key in the **STOP** position), deactivates the alarm system anti-lift protection. When this function is deactivated, the warning light on the button flashes for about three seconds and then goes out.



WARNING: deactivation of the motion sensing and anti-lift alarm devices remains memorised until the following alarm system activation. Therefore, if these devices are deactivated but the alarm system is not activated within a very short time, their deactivation will remain memorised until the next system activation, regardless of whether the vehicle is on or off.

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.

Ministerial homologation

The electronic alarm system is compliant with the current legislation covering radio frequencies in each Country.
The homologation number can be found at the end of this manual, before the table of contents.
For those markets that require the transmitter and/or receiver marking, the approval number is found on the component.

Ordering extra radio operated controls

To order extra radio operated control keys, contact the **Maserati Service Network** only and remember to take with you:

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

WARNING: Radio-operated controls that are not delivered 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 fitting by pressing button **E;**

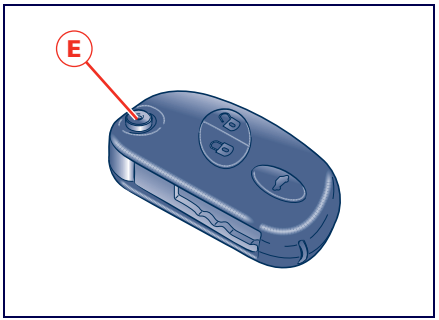
– undo the screw **F;**

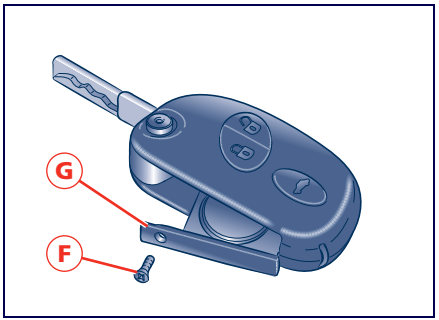
– remove the battery support **G;**

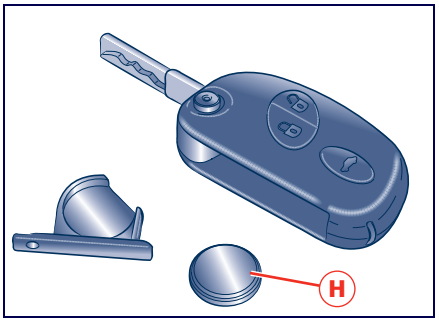
– extract the battery **H** from its retaining ring;

– 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**.





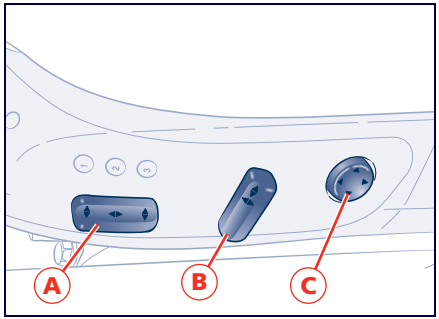


Electronic alarm system

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** 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/forwards adjustment

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

Height adjustment

Grip lever **A** at the centre 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.

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.

Comfort Pack (optional)

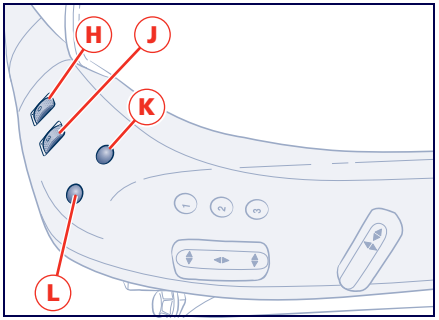
This includes the installation of the following systems inside the seats:

Ventilation system

This can be activated and deactivated by rotating wheel button **H**. 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 **H**, the intensity of the ventilation can be set at 3 levels.

Heating system

The heating is switched on by rotating wheel button **J**. 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.



Front seats

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

Massage system

This function is activated by pressing the corresponding button **K** 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 **K** 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 **L** and it enables the seats to adapt themselves to the occupant's body, thanks to the 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 (see page 85). This screen page shows the operating status of each individual system.

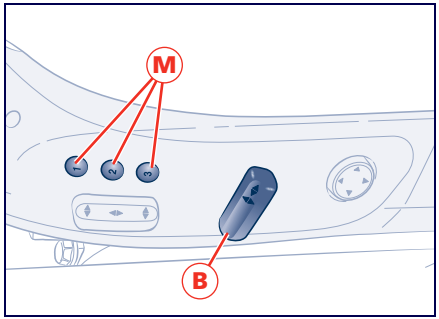
WARNING: Switch off the various systems when not required, to prevent power wastage.

Winter Pack (optional)

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 **M**).
Memorisation is only possible with the ignition key in position **MAR**. Adjust the position of the seat, the headrest, the external rear-view mirrors and the steering wheel, then engage the reverse gear and position the passenger external mirror again to ensure the best possible visibility to perform the manoeuvre, then disengage the reverse gear. Next press one of the three buttons "1", "2" or "3", each one corresponding to a memorisable position, for 3 seconds until you hear a double confirmation tone.



Lumbar support adjustment is not included in the seat position memorisation.
The memorisation of a new seat position cancels the one previously memorised 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 the 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 the **Maserati Service Network** to remove 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-tail collision.

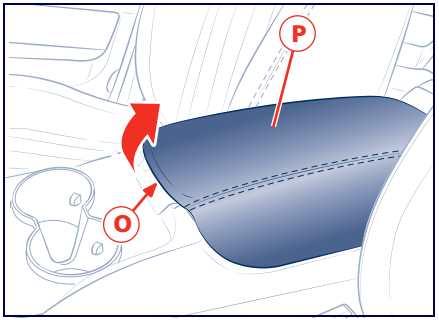
To adjust the headrests' vertical position, move the lever **B** upwards or downwards.

Armrest

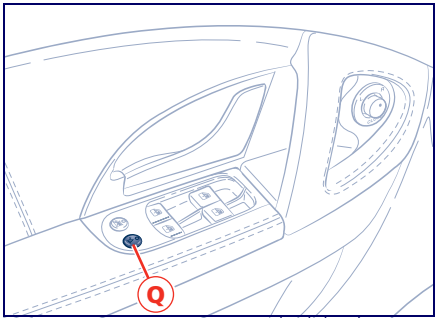
To access the compartment, lift the armrest **P** while pushing the internal handle **O** .
Inside the armrest there is a beverage cooler.

Easy entry/exit system

The easy entry/exit system helps the driver when stepping in and out of the vehicle. Before the driver gets out, the seat moves back and the steering wheel rises.
This function is activated when the door is opened only if the ignition 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**, both the seat and the steering wheel return to their normal driving positions.
The function can be deactivated by pressing button **Q**.
Deactivation is signalled by the illumination of the LED on the button.
When the button is pressed a second time, the function is reactivated.



Front seats



Rear seats

These can seat 3 passengers.

Rear seat electric adjustments (optional)

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.

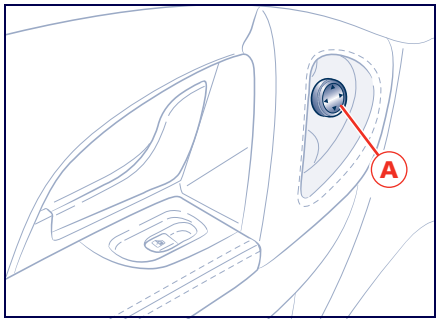
Seat inclination adjustment (tilting)

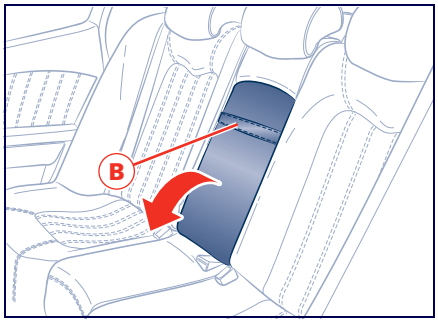
This is possible for the side seats only, and it is performed by pushing control **A** located on the door panel, next to the seat you wish to adjust either upwards or downwards.

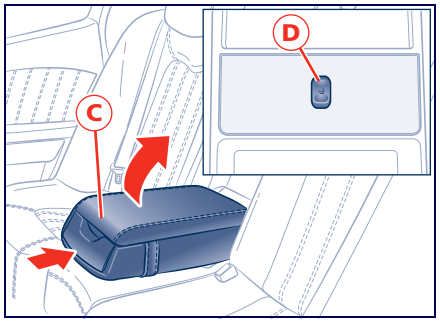
Armrest

The rear armrest is mobile 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 pocket-change 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.







There are two beverage holders housed in compartment **D**. To pull out the compartment, press on its front. If the Comfort Pack is installed, you will find the relative controls inside the armrest on the rear seats.

Comfort Pack (optional)

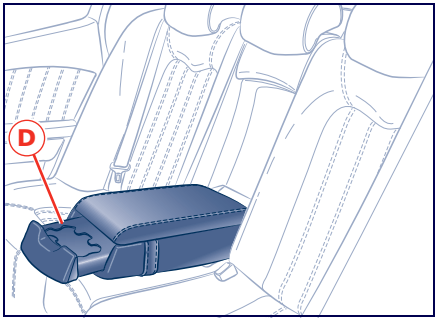
This entails the installation of the following systems and controls in the rear seats:

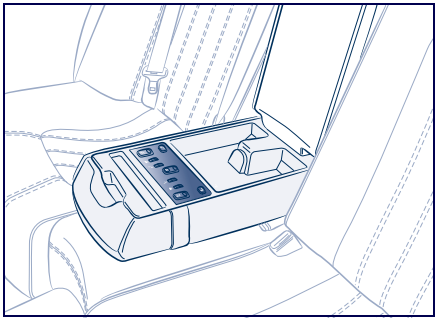
Massage system

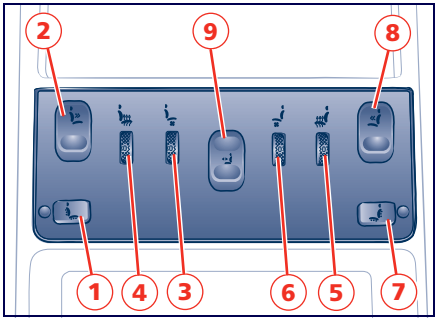
This system uses the inflatable bags mechanism and operates in the thigh and lumbar region area.
The massage cycle lasts 5 minutes in total, after which the function cuts out and the previous settings are restored.
To activate the massage feature, press button **1** (left-hand seat) or **7** (right-hand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

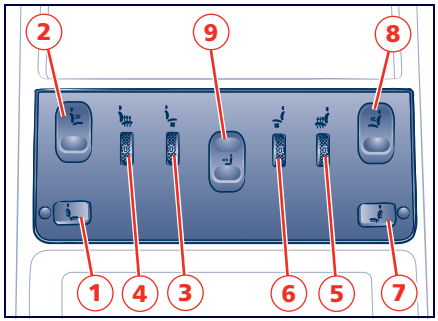
Winter Pack (optional)

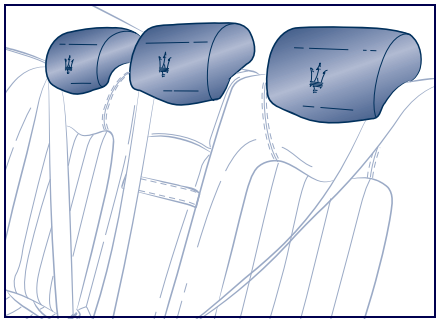
Includes the movement and heating systems for the rear seats.

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 84) 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-tail collision.





Rear seats

Rear-view mirrors

External rear-view mirrors

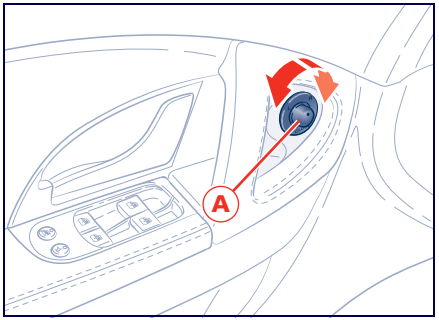
They can be adjusted electrically (with the ignition key in the **MAR** position) and they are equipped with anti-mist resistors.

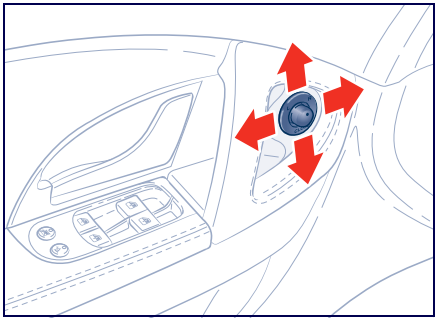
– Mirror selection (right-hand or left-hand): move the selector **A** to the right or left, depending upon the mirror you wish to adjust.

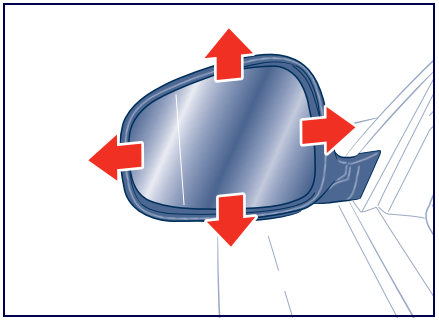
– Mirror positioning: control **A** allows each mirror to be adjusted with four movements (up – down – right – left). Bring the selector back to the centre to prevent mirror position being changed involuntarily.

– Mirror retraction: By turning the selector switch **A** to the lower central position, both the mirrors fold inwards to 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 will yield in both directions in the event of an impact.







Rear-view mirrors

The external rear-view mirror position, both for the normal driving direction and for reversing, is automatically memorised together with each seat position.
To memorise a new position of the external rear-view mirrors, turn the ignition key to position **MAR** and adjust the position of the mirrors; then engage the reverse gear and reposition the passenger external mirror to ensure the best possible visibility for manoeuvring, then disengage the reverse gear.
Finally, press one of the buttons “1”, “2” or “3” on the seat, each one corresponding to a memorisable position , until a beep confirms the procedure is complete.

The new position of the external rear-view mirrors will be automatically memorised together with the seat position.
What is more, the mirror positions can be adjusted for both the normal travelling direction and for reverse manoeuvring.

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

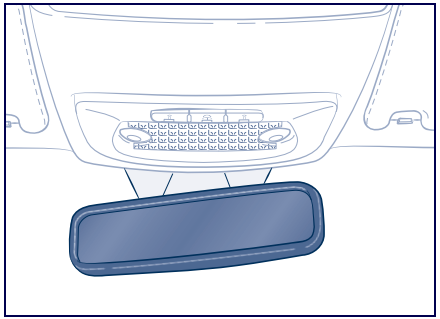
The mirrors must always be in the open position when the vehicle is moving.

Electrochromic external rear-view mirrors (optional)

The particular feature of these mirrors is that they gradually darken as the intensity of the light to which they are exposed increases.

Electrochromic internal rear-view mirror (optional)

This can can be manually adjusted, and is fitted with an accident-prevention release system that intervenes 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.



Rear-view mirrors

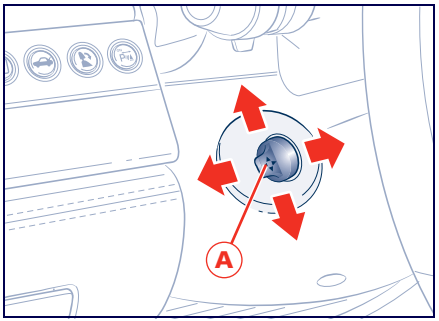
Steering wheel

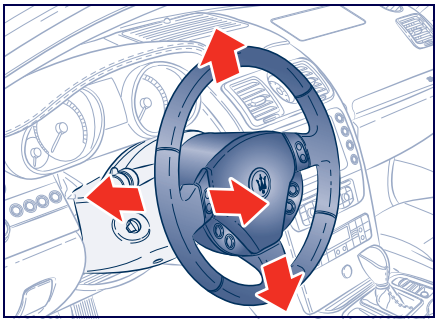
The steering wheel can be power adjusted, both in terms of height and depth.
It can only be adjusted if the ignition key is in position **MAR**.
For adjustment, move control **A** in the four directions.
The steering wheel position is memorised, together with the position of the external rear view mirrors,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

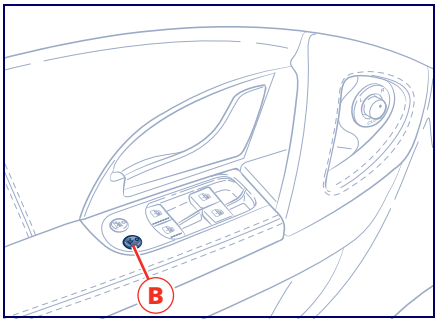
Do not adjust the steering wheel while the vehicle is moving.

Easy entry/exit system

The easy entry/exit system makes it easier for the driver to get in and out 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**, both the seat and the steering wheel return to their normal driving position.
Press button **B** to deactivate/activate this function.







Steering wheel

External lights and direction indicators

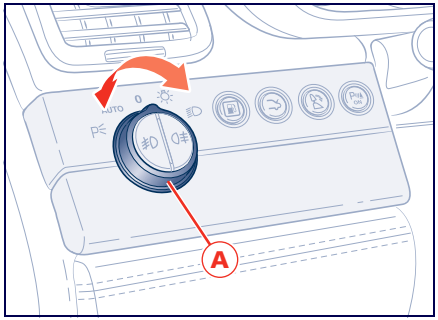
The external lights and direction indicators switch on only with the ignition key in the **MAR** position, with the exception of the parking lights, which can be turned on at any time.
The external lights can be switched on and off manually or automatically according to the brightness of the light outside.

Light switch

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

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

(*) On the vehicles manufactured for the Japanese market, these lights are not functioning; for all the other markets where by law they may not be turned on, they can be deactivated through the Multi Media System.



Parking lights

The parking lights work only with the ignition key in the **STOP** or **ACC** positions, 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** position, the position lights, low beam lights and number plate lights turn on and off according to the brightness outside.

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

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

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 recognise tunnels, avenues and galleries. You can adjust the sensing range of the twilight sensor by means of the Multi Media System, by selecting the "Configuration" mode (see the "Configuration" section in the Multi Media System manual).
If the sensor should fail, the system will switch 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 the latter on manually if necessary; contact the **Maserati Service Network** 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

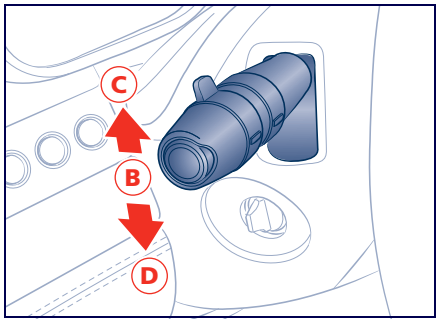
To switch on the high beams with the light switch in position , push the left hand lever towards the dashboard. Pull the lever towards the steering wheel again to switch off the high beams and switch on the low beams.

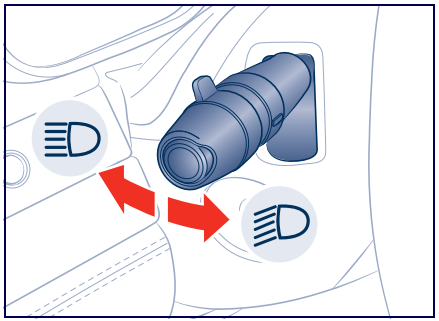
WARNING: For the use of the high beams, follow the Road Regulations in force.

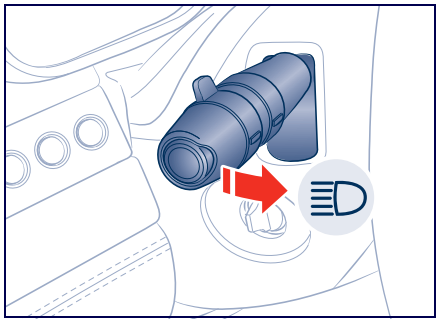
Flashing the headlights

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**.

WARNING: Flashing takes place with the high beams. Keep to the regulations in force to avoid penalties.







External lights and direction indicators

“Follow me home” function

This feature allows you to set a timing 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 pushing the lever on the steering stalk, 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** position deactivates the system.

Windscreen wiper/ washer and headlight washers

The windscreen wiper and washer work only with the ignition key in the **MAR** position.

Windscreen wipers

The lever has 5-settings:

A - Windscreen wiper stopped.

B - Automatic operation. In this position the rain sensor adapts the windscreen wiper frequency to the intensity of the rain (lever in the first click position).

C - Slow continuous operation (lever stopped on the second click).

D - Fast continuous operation (lever stopped on the third click).

E - Fast temporary operation (non-permanent position).

Windscreen washer

Pulling the lever towards the steering wheel (non-permanent position) activates the windscreen washer and wiper.

When the windscreen washer is activated, the windscreen wiper starts automatically. Releasing the lever cuts off the jet of fluid whilst the blades continue to wipe for a little while.

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

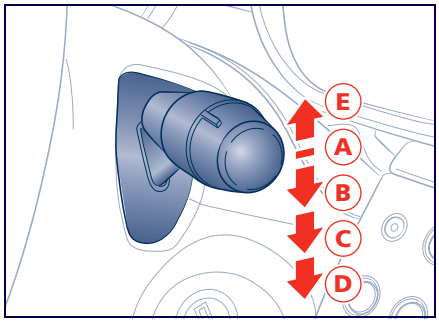
WARNING: If there is ice or snow on the windscreen, do not activate the windscreen wiper to prevent damage to the device.

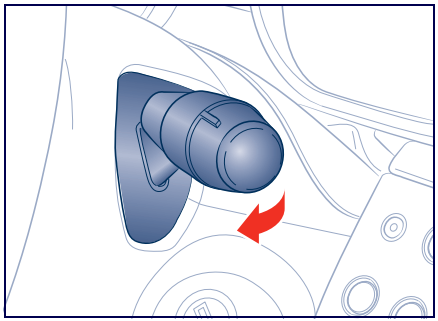
Headlight washers

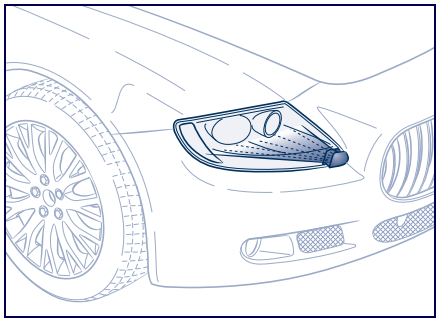
The headlight washers are activated automatically when the windscreen washer is started and the external lights are on.

The headlight washer and windscreen 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 120 km/h (75 mph).



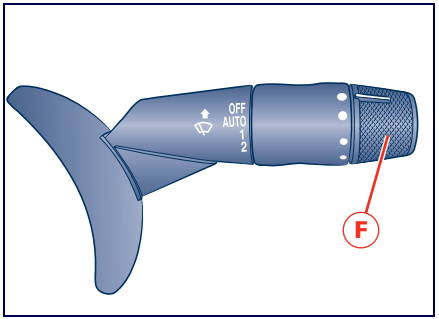




Windscreen wiper/washer and headlight washers

Rain sensor

The function of the rain sensor is to adapt the frequency of the windscreen wiper's strokes (in the intermittent operation mode) to the intensity of the rain.
All the other functions controlled by the right-hand lever (windscreen wipers off, headlight and windscreen 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 windscreen wiper's stationary position - when the windscreen is dry - to the windscreen wiper's second speed - in conditions of pouring rain.



Windscreen wiper/washer and headlight washers

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 windscreen 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 windscreen (for example at the service station) make sure the rain sensor is deactivated or that the key is turned to STOP. The rain sensor must be cut-out also when washing the car by hand or in automatic car washes.

WARNING: In case of ice or snow on the front windscreen, 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 windscreen wiper will be switched on in intermittent operation mode and the sensing range will be set by the user, regardless of whether or not there is rain on the windscreen.
The symbol ! appears on the display.
In this case, we recommend that you cut-out the rain sensor and turn on the wiper, if necessary, in continuous mode. Contact the **Maserati Service Network** as soon as possible.

Maserati Multi Media System

The vehicle is equipped with the infotelematics Maserati Multi Media 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, the Multi Media System come equipped with Bose® Surround Sound System, acoustically optimised for this vehicle.

The navigation system assists the driver while driving, providing advice and suggestions, by means of voice guidance and graphic information, for the best route to take for reaching the set destination The suggestions provided by the navigation system do not relieve the driver from full responsibility for the manoeuvres made through traffic while driving, or from compliance with road regulations and other provisions regarding road traffic.
The person driving the vehicle is always and in any case responsible for safe driving on the road.

The vehicle is equipped with a specific annex to the owner's manual, describing the Maserati Multi Media System fully and listing all of the warnings and precautions for use, which are indispensable for safe use of the system. We advise you to read this annex carefully and thoroughly and to keep it within reach at all times.

Controls

A - Display

B - Multi Media System Controls

Radio

The RADIO mode is activated by pressing button **MODE**. If in "Configuration" mode the "Radio" option under "Info repetition on instrument panel" is activated, the radio station selected or "SEARCH" function is shown on the instrument panel display, depending on the operation the system is performing.
Press the right-hand knob to access the main functions:

– enter frequency;
– disable RDS frequency search;
– activate regional mode;
– deactivate "Radio Text".

Note: The SIRIUS satellite radio is available for the US and Canadian markets.

CD, MP3 and Jukebox

The CD/MP3 and Jukebox modes are activated by pressing the button **MODE**. If in "Configuration" mode the "Radio" option under "Info repetition on instrument panel" is activated, the source CD, MP3 or Jukebox and the track played are shown on the instrument panel display.
In CD/MP3 mode press the right-hand knob to access the main functions:

– copy CD to Jukebox;
– activate Introscan;
– activate random reading;
– activate repetition.

In Jukebox mode press the right-hand knob to access the main functions:

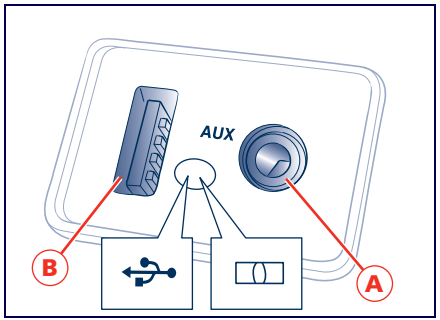
– Control Jukebox;
– Configure Jukebox;
– Delete Jukebox data.

AUX module*

Positioned in the glove compartment, the AUX auxiliary input **A** has the following characteristics:

– Typical input impedance between AUX-IN and AUX_REF: 13 Kohm.
– Max. applicable voltage : 0.75 Vrms at 1kHz.
– Input compatible only with 3.5 mm jack connectors (not included).

Therefore, any player that has these characteristics as well as an analog audio output (type headset output) can be connected to the Multi Media System.
The MMS system is capable of autonomously recognising whether it is connected to a player socket and, in this case, it enables access to the audio functions connected to this source.



Maserati Multi Media System

USB Socket*

The socket **B** is located in the glove compartment and may be provided in two different versions: the type provided with your vehicle can be identified by the symbol shown next to it:

- USB Recharge
- USB Full

USB Recharge Socket

This socket is exclusively dedicated to powering the external source, of course if this source is designed for this purpose (e.g. iPod).
This socket cannot be used for data exchange.

USB Full Socket

This socket allows you to exchange data and power the connected source. If there are MP3 files on the USB key, they will automatically start playing. This will not occur if you are already listening to a music source; in this case, you need to select the USB function by repeatedly pressing the **SRC** button.

iPod Connection*

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

*Note: Visit www.maserati.com or a **Maserati Service Network** for a list of iPod devices compatible with the Multi Media System and their level of compatibility.*

Onboard TRIP computer

The On-Board Computer mode is activated by pressing button **MODE**. Press the right-hand knob to access the main functions:

– service info;
– function status;
– reset Trip A;
– reset Trip B.

Bluetooth® function*

The Multi Media System uses the Bluetooth® technology to make and receive calls using a mobile device enabled and compatible with Bluetooth®. After pairing your mobile to the system, the incoming and dialled calls will be identified and displayed on the Multi Media System display and on the instrument panel (if this feature is enabled). After pairing the system to a mobile device, all the phonebook contact information currently stored on the mobile will be uploaded to the system and it will be updated every time the pairing procedure is performed.

*Note: On the Maserati website, at www.maserati.com, or through the the **Maserati Service Network** you may consult the list of telephones that are compatible with the Multi Media System, and their level of compatibility.*

Navigator

When the "Navigation" mode is active, the "Navigator" option under "Info repetition on instrument panel" is activated and the following information is shown on the instrument panel display:

– name of the next road to take ;
– distance to the next manoeuvre;
– pictogram of the next manoeuvre.

Press the right-hand knob to access the main functions:

– select destination;
– layovers and route;
– route options;
– stop guidance (only when navigation mode is active).

* *Optionals depending on the model and market availability*

Air conditioning and heating system

Air conditioning and heating system

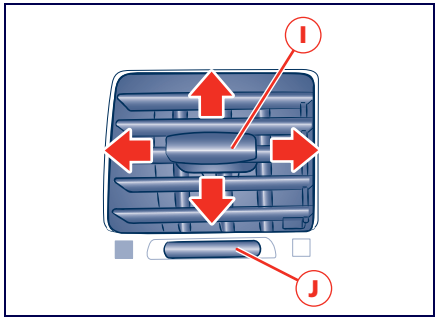
A - Front central and lateral vents.
B - Upper dashboard vent.
C - Lower dashboard vents.
D - Upper lateral dashboard vents.
E - Windscreen vents.
F - Rear central vents.
G - Rear lateral vents.
H - Vents beneath seats.

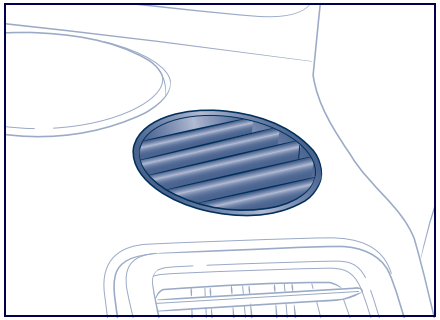
Adjustable vents with direction option

These can be positioned vertically and longitudinally by means of control **I**. Using control **J,** the air flow distribution can be adjusted.
Vents **A**, **F** and **G** have the following said 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 said 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;

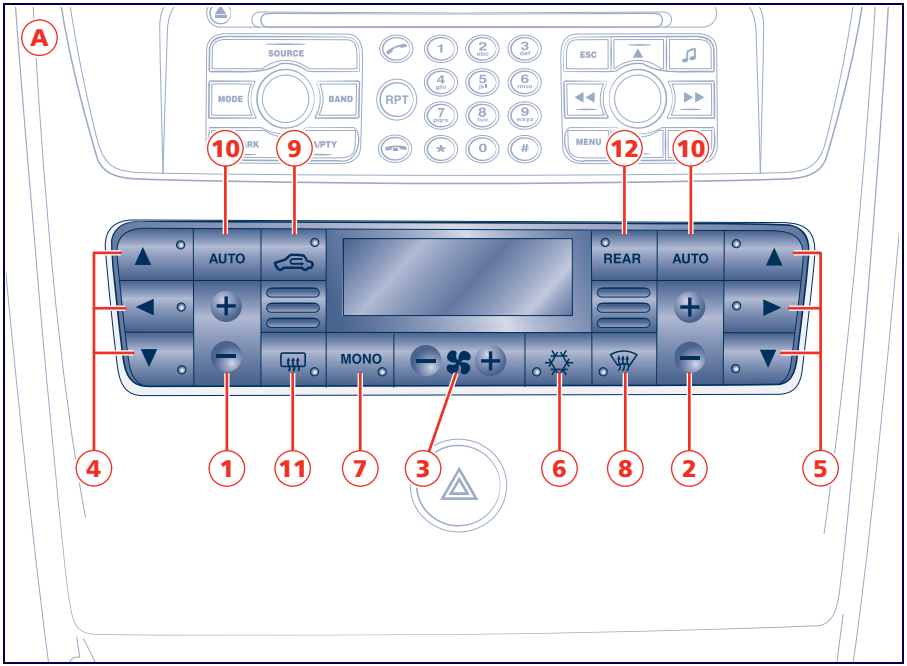
8) defrosting/demisting activation/ deactivation button;

9) for air recirculation activation/ deactivation button;

10) automatic/manual system control button;

11) heated rear window activation/ deactivation button;

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;

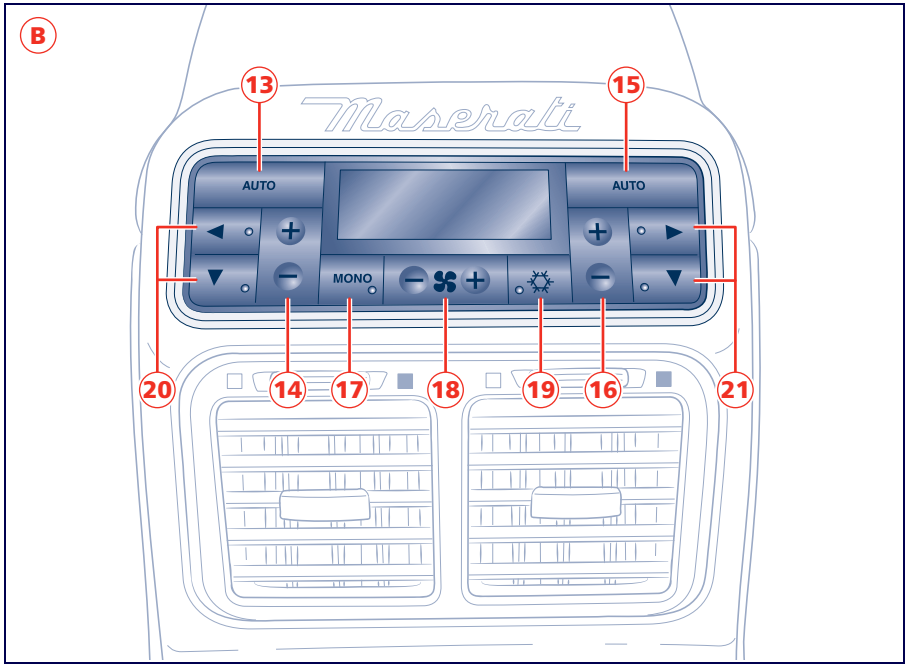
17) single/dual zone selection button;

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.
This system is special in that it adjusts 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 tunnel.
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 vents' air temperature;
– left-hand/right-hand vents' 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 memorised 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.

The system is equipped with a demisting system which, by means of a sensor (positioned behind the internal rear-view mirror) "checks" a predefined surface area inside the windscreen and automatically activates a special strategy to prevent or reduce misting. The sensor can be disabled by operating any system control when the strategy is active. The sensor is enabled upon ignition and whenever the user presses one of the buttons **10** AUTO.

WARNING: To help ensure proper functioning of the sensor, do not apply adhesive parking stickers, etc. in the "checking" area between the sensor and the windscreen. Therefore, keep the windscreen and the sensor clean to prevent accumulation of dust or other impurities.

Activation

The system can be started up 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 compressorb
- Button **8** activates/deactivates the defrosting/demisting function on the front 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 memorised 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 3 °C (37 °F) or the speed is below 6 km/h (4 mph), to prevent air polluted by exhaust gas during stops from entering the passenger compartment. When the vehicle speed exceeds 12 Km/h (8 mph), the system resets the previous automatic control conditions.

When the compressor is deactivated or outside temperatures are below 3 °C (37 °F) , the automatic recirculation function is switched off automatically. After prolonged operation (over 15 minutes in a row), 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 interact with 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 mode
Pressing the REAR button **12** (relative LED comes on) will result in the following:

– the controls/displays on the rear control panel are enabled;
– the parameters set from the panels are reproduced on the front and rear displays.

This function is active in both "MONO" and "DUAL-ZONE" modes.
Pressing the REAR button **12** again (LED on) will disable the controls on the rear panel.

System initialisation

Every time the battery is reconnected, when the vehicle is started, a system initialisation procedure is required. This is run by activating the compressor. Both displays automatically show the passenger compartment temperature set at 22 °C (72 °F).
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 equalisation.

AudioPilot® System

The AudioPilot® technology detects and measures the ambient noise and continuously adjusts a number of acoustic signal parameters accordingly, in order to ensure optimal sound quality levels inside the passenger compartment.
This function can be deactivated through the MMS, see Chapter "Audio adjustments" on the "Multi Media System" manual.

Electronic equalisation

The electronic equalisation guarantees absolute sound precision at any volume. The automatic output frequency balancing feature makes manual adjustments using switches or dials wholly unnecessary.

Diversity system

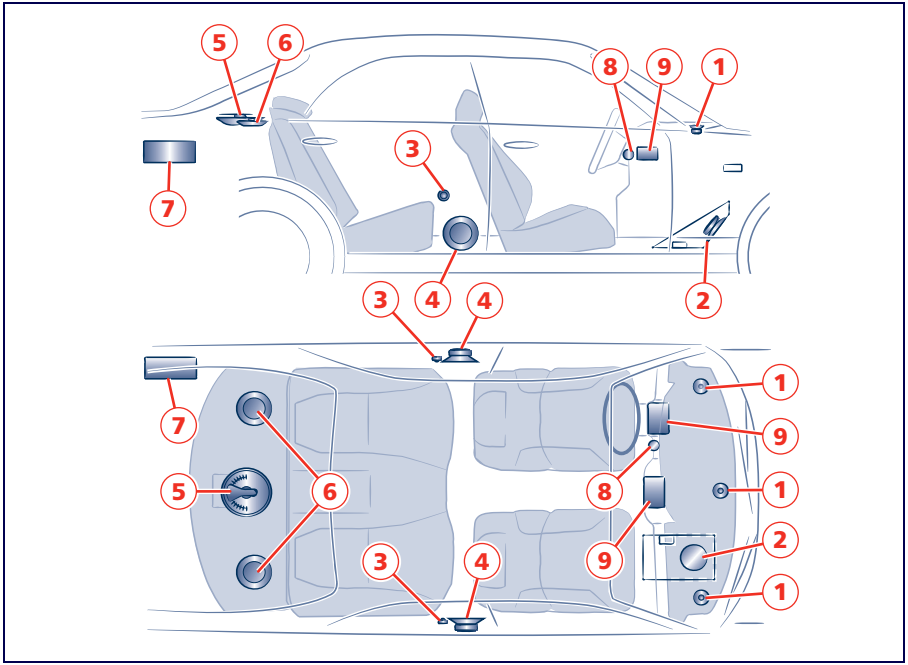
This is composed of two aerials linked together, which are activated reciprocally to obtain the best signal reception.
The sound system in the vehicle consists of:

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

2) a 13 cm (5 in) 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 panel;

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



Bose® Surround Sound

5) one 25 cm (10 in) Power Nd® woofer mounted on the rear parcel shelf;

6) Two 90 mm (3.5 in) Nd (Neodymium) Twiddlers for high and medium frequencies, positioned on the sides of the rear luggage shelf;

7) digital amplifier (with AudioPilot® technology, and personalized 6-channel equalisation) located on inner left-hand side of luggage compartment;

8) AudioPilot® sensor, located to the right of the steering wheel;

9) audio CD player and mono-CD drive for GPS navigation maps, in the centre of the dashboard;

– aerial incorporated into rear window;

– aerial incorporated in the windscreen.

Using the vehicle

Starting the engine

Keep the brake pedal pressed when starting the engine.

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 parking brake 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** position and release it as soon as the engine starts. Do not keep the key turned to the **AVV** position for a long time. 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.

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** 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 cool

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

Emergency starting with auxiliary battery

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

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

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

WARNING: The battery is secured to the vehicle with a metal clamp, so be extremely careful not to let the clips on the end of the cables come into contact with it.

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 indefinitely but consult the **Maserati Service Network.**

Do not carry out this procedure if you have no experience of it: incorrect manoeuvres can originate high electrical discharges and even cause the battery to explode.

You are also advised not to approach the battery with naked flames or lit cigarettes and not to cause sparks: risk of explosion and fire.

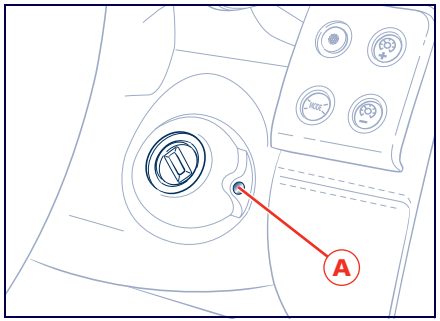
WARNING: Do not use a battery-charger for emergency starting under any circumstances. You could damage the electronic systems, particularly the control units managing the ignition and fuel supply functions.

Remember that if the engine is not started, the brake servo and power steering systems are not functioning 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** 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;

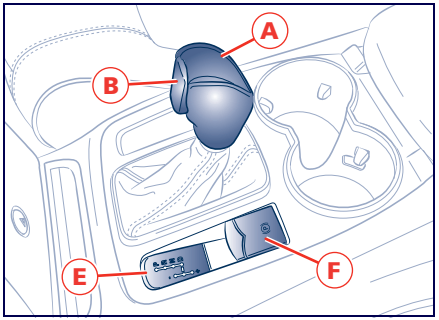
B - Button on the gearshift lever to engage reverse gear **R** and park **P;**

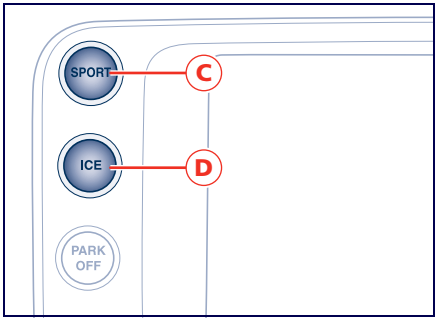
C - SPORT button;

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 right from the start 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 **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 **P** when the ignition key is in the **MAR** 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 manoeuvre.

WARNING: Do not run the engine at top RPM until it has reached stable 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

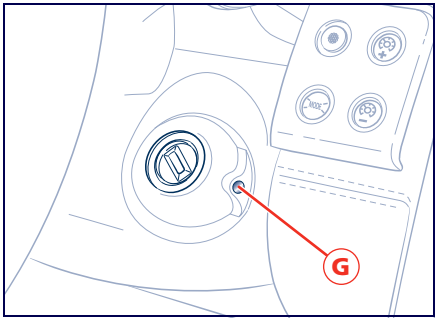
Regardless of the position of the gearshift lever **A**, simply depress the brake pedal to stop the vehicle.

When the gearshift lever is in position D, R or M, the engine idling and the vehicle on an even ground, if the brake pedal is not depressed, the vehicle can 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** 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.**

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**.



Electronic automatic gearbox

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

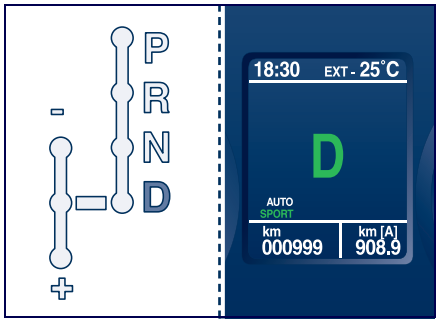
The gearbox can be used both in fully automatic (position **D**) and in sequential manual (positions **+** or **-**) mode.
To select the desired mode, shift the gearshift lever **A** to:
D – automatic gearshifting (AUTO)
MANUAL (+ / -) – sequential manual gearshifting.
The lever can always be shifted 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 manoeuvre 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:

– 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.

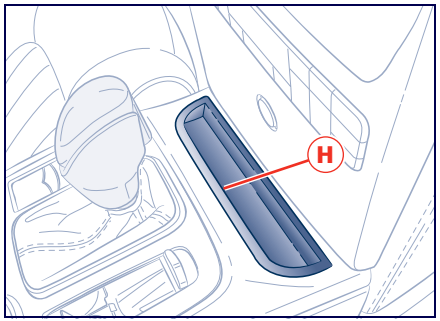
If the automatic parking brake engagement system is active, the EPB is automatically applied when the vehicle is stopped, (see page 183).

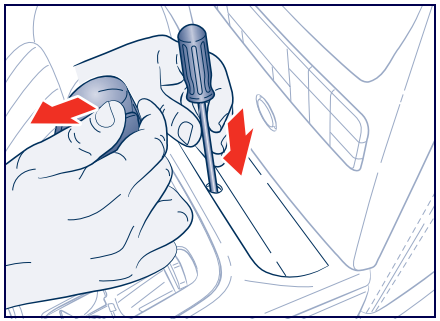
WARNING: In the event of a battery failure, manually disengage the parking brake (EPB) before you drive (see page 183).

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.





Electronic automatic gearbox

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 travelling speed, engine RPM, accelerator position, speed with which the pedal is depressed as well as the travelling conditions (uphill, downhill, 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.

Both in **NORMAL** and **SPORT** mode, the **Quattroporte SPORT GT S** version when using this feature automatically adjusts gears only when the engine is underrevving.
Therefore, in the event of engine underrevving, the system automatically engages a lower gear.
If a **DOWNshift** is requested when a gearshift due to engine underrevving is already in progress, the request will be ignored.
Engine underrevving is in any case prevented by a rev limiter, which activates when a specific RPM is reached. Engine RPM will be limited until the next **UPshift** request from the driver.

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.

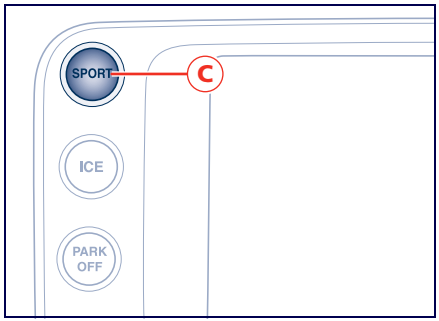
For each mode there are various vehicle settings, that are automatically set by the system in relation to the travelling speed, engine RPM, accelerator position, speed with which the pedal is depressed as well as the travelling conditions (uphill, downhill, curves).

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 (**ICE**)" mode, if this is already active when activating **SPORT** mode, the system will ignore the command.



On the Quattroporte SPORT GT S version, SPORT mode is characterised by faster gearshifts than in NORMAL mode and engine power reduction by the ASR is reduced to a minimum. In addition on this version, SPORT mode also acts on exhaust opening.

Fast gearshifting however, always depends on the accelerator pedal travel and on the engine RPM, as in **NORMAL** mode.
In **MANUAL** mode, **DOWN-shifts** with the accelerator pedal released, will have a braking effect approaching the skidding limit of the driving wheels on dry asphalt.
Under racing-style driving conditions with gearshifts at high engine RPM, double-clutching is performed automatically during gearshifts.

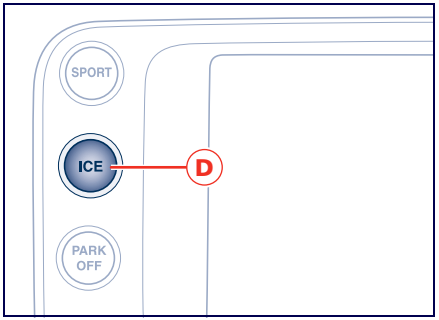
WARNING: In addition to enhancing performance, opening of the exhaust also increases noise levels of the vehicle.

It is advisable not to use "SPORT" mode on roads with low or medium grip conditions (e.g. ice, snow, or wet roads) as the driving wheels could skid during gearshifts. Therefore, excessive use of the vehicle in "SPORT" mode is advisable only on race tracks.

If you use **MANUAL** and **SPORT** mode in combination for sports-style driving, when starting-off or shifting gears, you may perceive an initial slipping of the driving wheels even on dry roads

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.
When sequential manual mode is selected with 2nd gear engaged, a downshift request will be ignored.



Electronic automatic gearbox

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 ESC 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 rate 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.

ESC system operations

In order to prevent unstable driving conditions, the ESC 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.

Quick start strategy (only Quattroporte SPORT GT S)

With the aim of optimising standing starts for performance driving (only recommended for use in areas closed to traffic and in accordance with the Highway Code), the automatic gearbox system is equipped with quick start strategy.
This strategy is activated when the following conditions occur simultaneously:

– **AUTO** and **SPORT** modes active;
– **ESC** mode **OFF** ;
– brake pedal depressed.

In these conditions, the driver has the possibility to accelerate and, keeping the brake pedal depressed, keep the vehicle standing until reaching an engine speed between 2300 an 2500 RPM and then, upon releasing the brake pedal, have the best standing start performance.

This strategy must only be used on vehicles in areas closed to traffic, in accordance with the Highway Code and only by skilled drivers.

Malfunction indication

The malfunctions indicated are attributable 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 signalled, take your vehicle to the nearest **Maserati Service Network Centre** as soon as possible to have the problem corrected.

If the failure is signalled 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 **Maserati Service Network Centre** 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 comes back on 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 100 km (62 mi) at a speed below 60 km/h (37 mph).

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 183.

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 **ESC** activated, the relative ECU stores a malfunction and consequently the warning light on both the instrument panel and the display comes on, requiring intervention by the **Maserati Service Network** 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). Accurately clean the threaded seat before tightening the hook.

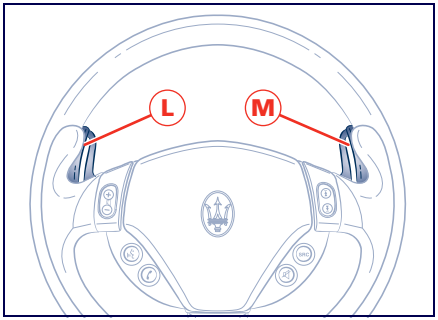
Gearshift levers on the steering wheel (optional)

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 operation, 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.

Using the brakes

WARNING: To obtain a good running in of the brake pads and discs, avoid sudden braking during the first 300 km (190 mi).

The ABS is a component of the braking system that offers two basic advantages:

– It avoids 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 tyre's side grip.

In order to fully exploit 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 prevents the wheels from locking, but it does not increase the physical grip limits between the tyres and the road. Therefore, even if your vehicle is equipped with ABS, always ensure to keep to a safe distance from the vehicle in front of yours and reduce your speed when entering a bend.

The pad wear limit is indicated by the illumination of the warning light , on the instrument panel.
In this event, please contact the **Maserati Service Network**.

Use of the engine

Breaking-in

Today's most modern methods of production afford high precision in the construction and assembly of components. However, the moving parts do undergo a settling process, basically in the first hours of the vehicle operation.

Engine and transmission

Avoid exceeding 5,000 r.p.m. for the first 1,000 trip km.
After starting the vehicle, do not exceed 4,000 r.p.m. until the engine has warmed up sufficiently (water temperature: 65, 70 °C - 149,158 °F).
Do not drive keeping the engine at a constant high speed rate for a prolonged time.

While driving

Never travel with the Rev. Counter indicator approaching the peak r.p.m. - not even downhill.
When the Rev. Counter indicator is approaching the peak r.p.m. (red-coloured zone), take precautions to avoid exceeding that limit.

WARNING: Under normal conditions, all the red light warning indicators on the instrument panel's multi-function display should be off. When they come on, they indicate a malfunction in the relative system. The only exception is the engine oil level warning light, see page 242.

Ensure proper operation of the various devices by checking the respective control instruments.

WARNING: Continuing to drive when a red warning light switches on 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 totally inefficient. The power steering will also lose its efficiency in these condition.

Engine control system (EOBD)

The **EOBD** (European On Board Diagnosis) fitted in the vehicle complies with EC directives: 715/2007/EEC and 692/2008/EEC (Euro 5).
This system continuously monitors the vehicle components connected with emissions; it also indicates, when the warning light comes on on the instrument panel, that the components in question are in poor condition.
The purpose is to:

- keep the system operating efficiently under control;
- indicate when a problem causes an increase in emissions exceeding the threshold established by European regulations;
- indicate the need for replacement of deteriorated components.

In addition, the system includes a diagnostics connector that can be interfaced with suitable 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.

WARNING: When the ignition key is turned to the **MAR** position, if the warning light does not switch on or if it switches on while driving, contact the **Maserati Service Networ**k as soon as possible.

WARNING: After the problem has been eliminated, the **Maserati Service Network** 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.

Constant speed regulator (Cruise Control)

General

The electronic speed regulator (cruise control) enables the driver to maintain the desired vehicle speed without pressing the accelerator pedal. This reduces driving fatigue on highways, especially long trips, as the set speed is automatically maintained.

WARNING: The device can only be switched on at speeds exceeding 30 km/h (19 mph) and it switches off automatically when the brake pedal is depressed.

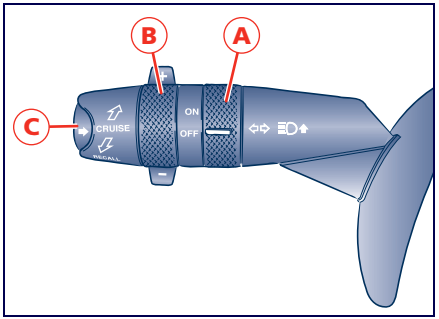
The Cruise Control function must only be activated when traffic and the route permit a constant speed to be maintained safely for a sufficiently long distance.

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 km/h. 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 restore 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.

Restoring the speed stored in the memory

If the device has been switched off after braking, the speed saved previously can be restored 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 (4^{th}, 5^{th} or 6^{th} 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 1 km/h - 0.6 mph), 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: the latter will be stored automatically.

Resetting the speed stored in the memory

The speed stored in the memory is automatically zero-reset:

– 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 30 km/h (19 mph).

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 the Maserati Service Network after having checked the fuse for intactness.

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 suspensions uses the sophisticated on board sensors and is aimed at optimising vehicle performance.
The system is capable of constantly monitoring suspensions' damping through the actuator fitted on each shock absorber. This way, the shock absorber setting is suited to the roadbed 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 suspensions, 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.

(*) This system is linked to the model and market availability.

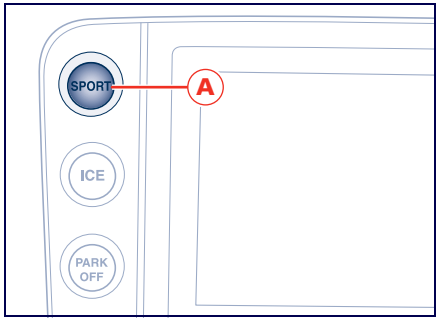
The system is controlled by an ECU which manages the solenoid valves on each shock absorber in response to the sensor signals, adjusting the suspension damping and setting.
The sensors that enable the ECU to calculate the vehicle speed, vertical and side acceleration, as well as the instantaneous brake circuit pressure, and consequently to control the suspension damping, are the following:

– side 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 aimed at reducing 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 switching on of the warning light on the display.



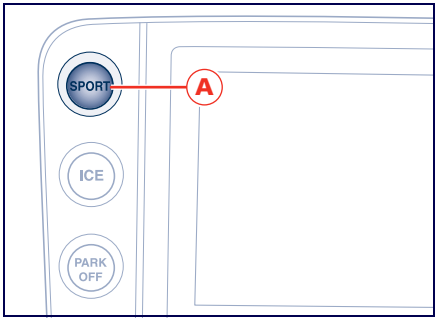
Skyhook suspension (*)

Settings

The driver can select, in relation to roadbed, 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, favours comfort and higher driving stability with low and average grip conditions.
Racing-style setting, active when the **SPORT** function is enabled, favours wheel drive and permits a racing-style driving with the best road holding.
Whenever the engine is started, the system automatically activates NORMAL mode, even if **SPORT** mode was selected before the engine was last turned off.
The racing-style setting can be switched on only with the ignition key in the **MAR** 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 roadbeds are not in perfect 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 **ESC** system (Electronic Stability Control): when the suspensions are set to normal, stability is increased under medium and low grip conditions, while when the **SPORT** mode is enabled, the **ESC** system optimises 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 **ESC** enabled.

Fault signals

If one or more electric components in the system malfunction while driving, the ECU illuminates the relative warning light accompanied by the message “Check suspensions” on the display. In addition, the ECU calibrates the shock absorbers to a preset value, thus ensuring a safe vehicle set up. Should the fault involve one shock absorber only, this 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. In any case, a safe and secure car driving at low speed is always guaranteed.

WARNING: In the event of a malfunction in the electronic system controlling the suspensions, which is indicated by the warning light on the display switching on while driving, you should keep a moderate speed and have the vehicle checked as soon as possible by the **Maserati Service Network**.

If a malfunction occurs while driving, signalled by the warning light on the display switching on, 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 switch on 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 switch on again.
In both cases, the system must be checked by the **Maserati Service Network**.
The detected fault is memorized by the electronic control unit and can be diagnosed at a **Maserati Service Network Centre** even if it has disappeared spontaneously.

Headlights

Xenon headlights

The gas-discharge (Xenon) headlights work with an electric arc saturated with Xenon gas under pressure, instead of the incandescent filament. The light produced is markedly 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 in the dark.

The much broader illumination of the side zones markedly 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 striking, but afterwards power is supplied at a lower voltage. The headlights reach maximum brightness about 0.5 seconds after being switched 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 transport.

If bulb replacement is necessary, contact the Maserati Service Network only: DANGER - RISK OF ELECTRICAL SHOCK!

In addition, the headlights are equipped with an ALC system (Adaptive light control).
This system combines the light beam with the steering angle and the vehicle speed to assure better visibility of the road surface when driving in a curve, steering or in the event of road deviations.

Driving conditions

Before your trip

Check the following at regular intervals and always before long trips:

– tyre pressure and condition;
– levels of fluids and lubricants;
– conditions of the windscreen wiper blades;
– proper operation of the warning lights and of the external lights.

WARNING: It is however advisable to perform these checks at least every 800 km and always follow the maintenance schedule reported in the "Warranty Card and Owner's service book".

It is also advisable to:

– clean the glass on the external light 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 would irreparably damage the catalytic converter(s) and oxygen sensor system.

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 travelling 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.
– Carefully arrange any objects in the luggage compartment, to prevent sudden stops from jerking them forward.
– Avoid heavy meals before a trip. A light snack helps to keep your reflexes sharp. In particular, avoid drinking alcohol.
– 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 the traffic regulations existing in each country 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 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 manoeuvres 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 are some advices 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 avoid any visibility problems.
– Periodically check the conditions of the windscreen 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 manoeuvre is more difficult and braking distances are extended.
– Keep a safe distance from the vehicle in front of you.
– Avoid sudden changes in speed as much as possible.
– Whenever possible, avoid overtaking.
– If you are forced to stop the vehicle (breakdowns, impossibility of proceeding due to poor visibility, etc.), first of all, try to stop off of the travel lane. Then turn on the hazard warning lights and, if possible, the low beams.
– Sound the horn rhythmically if you hear another vehicle approaching.

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 are some general advice for driving in these conditions:

– Maintain a very moderate speed.
– Fit snow chains or specific tyres if the road is covered with snow: see the chapters "Snow chains" and "Winter tyres" in this section.
– Mainly use the engine brake and avoid sharp braking.
– We recommend you activate the “Low grip” mode (see page 162).
– 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.

Air quality 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 guarantees respect for the environment, but also affects vehicle efficiency.
So, 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 Service Time Schedule scrupulously.

Always use unleaded fuel.
If starting is difficult, do not make prolonged attempts.
Especially avoid push starts, towing or hill starts: these are all manoeuvers that can damage the catalytic mufflers.
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 the **Maserati Service Network** 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, Lambda sensor and exhaust manifold.

Failure to comply with these rules can originate fire hazards.

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 acceleration, which cause fuel wastage and markedly increase exhaust emissions.
– If the vehicle is stopped for long periods, turn the engine off.
– Check tyre pressure regularly: if the pressure is too low, fuel consumption increases and the tyres get 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

Always remove the key when getting out of the vehicle.

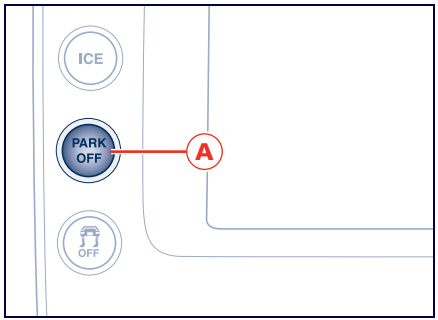
Never leave children unattended in the vehicle.

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 (P) comes on and the message "EPB ON" is displayed.
During engagement and disengagement procedures, the warning light (P) flashes until the parking brake has reached its maximum activation force and until it is fully released, respectively.
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.

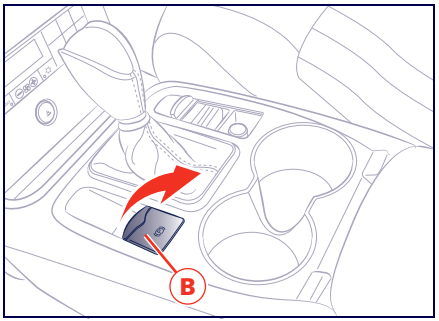
WARNING: When you need to park the vehicle on a steep slope, both with the engine on and off, it is recommended not only engage the parking brake but also to shift the gearshift lever to **P** (PARK) before leaving the vehicle.

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. The ESC system, however is always on, and will help keep the vehicle stabilized.

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** 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.

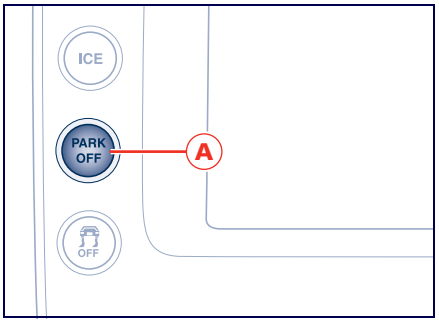
WARNING: If you attempt to disengage the parking brake without having depressed the service brake pedal, a message will be displayed to warn you to do so.

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 **A** 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 electric parking brake system failures, the warning light (Ⓟ)! on the display will come on.
Depending on the message displayed, it signals the following failures of the EPB system:

– Parking brake failure: go to dealer.
If the message warning you to go to the nearest Service Centre of the **Maserati Service Network** is displayed, drive slowly and remember that the electric parking brake device is not functioning.

– EPB is overheated.
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 Service Centre of the **Maserati Service Network**.
If the parking brake failure is accompanied by the message "Mechanical release only", follow the manual emergency deactivation procedure in order to release the parking brake.

– Parking brake system overhaul: go to dealer.
The EPB system requires maintenance, therefore contact a Service Centre of the **Maserati Service Network** to have the system corrected.

In the event of an EPB failure, take your vehicle to the nearest Maserati Service Network Centre as soon as possible.

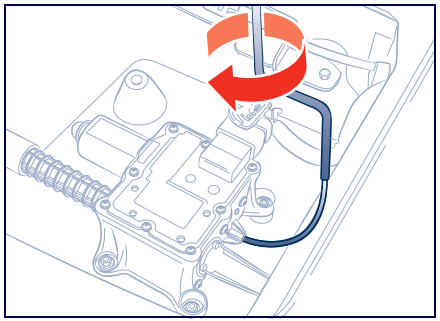
Emergency disengagement

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 the Maserati Service Network to resume operation.



Tyres

Tyre inflation pressure when cold

The tyre inflating ratings shown in this manual must be read as values applicable with cold tyres.

The maximum speed reachable with winter tyres is indicated by the tyre manufacturer. Always comply with the regulations in force in the Country you are driving in.

When using the spare wheel (emergency wheel) do not exceed 80 km/h (50 mph). Avoid driving at full throttle, braking sharply and cornering at high speeds.

Winter tyres

These tyres are specially designed for driving on snow and ice and are fitted to replace the ones supplied with the vehicle.

Only use winter tyres having the same dimensions as those provided with the vehicle or as indicated on page 234.

The **Maserati Service Network** is available to provide suggestions as to the types of tyres most suited to the use foreseen by the Customer.
For the type of tyres to use, inflation pressures and relative specifications for winter tyres, carefully follow the indications found in the section "Capacities and technical specifications".
The features of these tyres are markedly reduced in winter when tread depth is less than 4 mm. In this case, they should be replaced.

The specific features of the winter tyres lead to lower performance under normal environmental conditions or on long highway trips, compared to the standard tyres.
Therefore, their use should be limited to the performance for which they have been type-approved.

Fit identical (manufacturer and tread) tyres on all four wheels, in order to ensure safe driving, braking and good manoeuvrability.

Remember that the direction of tyre 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 projection of 9 mm (0.4 in) beyond the tyre tread.
The chains should be fitted only on the driving wheel tyres (rear wheels).
Check the chain tension after driving for a distance of about 50 m (55 yd) with the chains fitted.
With the chains fitted, it is advisable to deactivate the ESC system by pressing the button OFF. System deactivation will be indicated by the relative warning light, which will illuminate on the display accompanied by a specific message.

Snow chains: brand/type
Konig/Supermagic

Rear tyre	
285/40 ZR18	Quattroporte
285/40 ZR19	Quattroporte S
295/30 ZR20	Quattroporte SPORT GT S

WARNING: Before purchasing or using snow chains, we recommend that you to contact the **Maserati Service Network** for information.

WARNING: Keep a moderate speed when chains are fitted on the tyres. Do not exceed 50 km/h (30 mph). Avoid holes in the road, do not drive over steps or sidewalks and do not drive on long stretches without snow. This will prevent damage to the vehicle and the roadbed.

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 (it is provided with vehicles manufactured for markets where these items are mandatory, see page 218);
- flashlight;
- blunt-tipped scissors;
- heavy-duty gloves;
- high-visibility vest (mandatory in the European Community).

The objects described and other essential objects can be obtained from the **Maserati Service Network**.

In an emergency

Emergency start

If the MASERATI CODE fails to disable the engine immobiliser, the warning light **CODE** will light up with a fixed light, the **EOBD** 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 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**: at this moment the CODE and EOBD warning lights are on.

3) Press the accelerator pedal down and keep it pressed. Approximately 8 seconds later, the EOBD warning light goes off. Release the accelerator and get ready to count the number of times the EOBD 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 EOBD warning light goes off, after being lit on for approximately 4 seconds; you can now release the accelerator pedal.

5) The EOBD 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 EOBD warning light comes on for 4 seconds and then goes off; you can now release the accelerator pedal.

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

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

If the EOBD 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 the **Maserati Service Network** as the emergency procedure must be then carried out each time the vehicle is started.

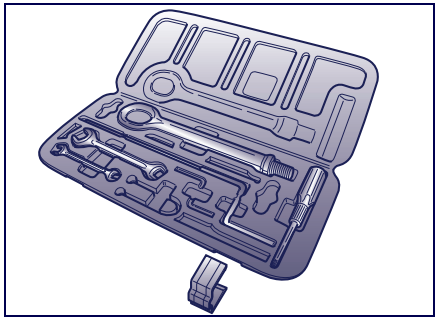
Toolkit

The vehicle is equipped with the following tools:

– toolkit, located in the luggage compartment;
– tyre 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, housed under the floor panel, contains:

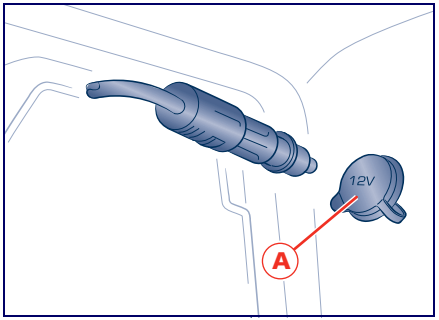
– 8 + 10 mm open end wrenches;
– 13 + 17 mm open end wrenches;
– double slot + cross-head screwdriver;
– tow hook;
– tool for electric parking brake actuator release.

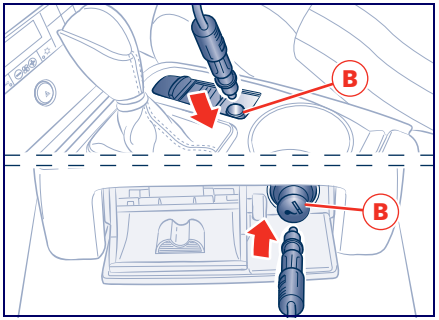


If a tyre gets a puncture

For the tyre repair procedures see the instructions included in the tyre repair kit.

*Note: the compressor power plug can be inserted either in the 12V socket **A** housed in the luggage compartment or in the cigarette lighter socket **B**, inside the passenger compartment.*





If a tyre gets a puncture

Compact spare wheel (on request)

Do not exceed a maximum speed of 80 km/h (50 mph) when using the compact spare wheel; when this limit is exceeded, the ESC system will be deactivated, compromising the stability, road holding and braking of the vehicle. Avoid accelerating to full speed, heavy braking and fast cornering.

Upon request, the vehicle can be equipped with a compact spare wheel, jack and tools for changing wheels. The compact spare wheel is stored in the luggage compartment and is supplied deflated in order to limit the amount of space occupied. An electric compressor is also provided for inflating.
In the event of a tyre puncture, proceed as follows:

– Stop the vehicle in a place that does not constitute a danger to traffic and where the wheel can be changed safely.The vehicle must be level and on firm ground
– Make sure that the electric parking brake is engaged.

– Select the **P** (**PARK**) mode and then turn the key to **STOP**.
– If necessary, turn the hazard warning lights on and place the warning triangle at the required distance.

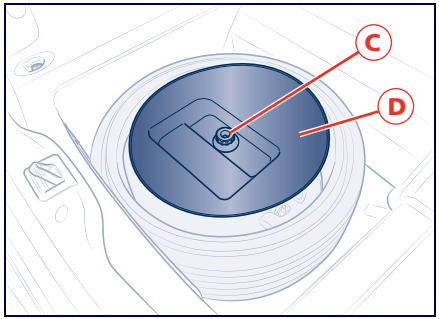
WARNING: If the vehicle has been stopped on a slope or an uneven surface, place chocks or other suitable items in front of or behind the wheels to stop the vehicle from moving.

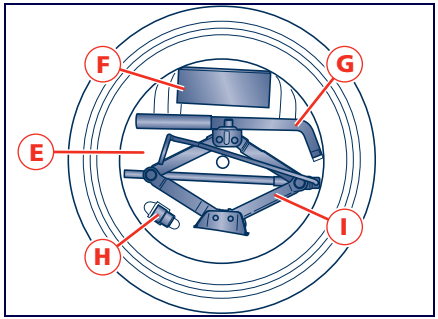
– Remove the cover at the bottom of the luggage compartment.
– Unscrew and pull out the wheel locking pin with knob **C.**
– Remove the cover **D** and take the compact spare wheel out of the luggage compartment and container **E** with the tools for changing the wheel.

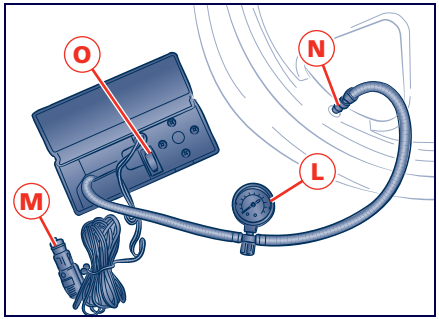
Container **E** inserted in the compact spare wheel contains:
- An electric compressor **F**, complete with pressure gauge and fitting for inflating the compact spare wheel;
- Telescopic spanner **G** with rubber-coated handle for unscrewing/ tightening the wheel bolts;
- An adapter **H** to be fitted to the spanner for the wheel nuts;
- A jack **I**.

WARNING: The repair kit is not supplied with vehicles equipped with a spare wheel.

– Open the cover of the compressor and remove the hose with the pressure gauge **L** and the cable with a plug **M** for the power socket.
– Unscrew the valve cap of the compact spare wheel and screw the fitting **N** of the inflation hose onto the valve.







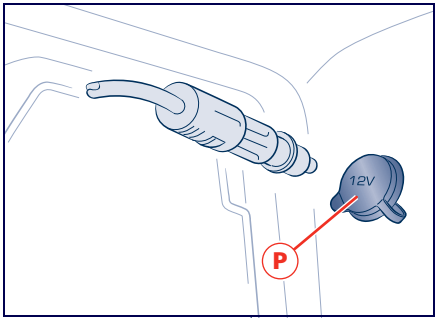
– Remove the cover **P** from the power socket located inside the luggage compartment or take out the lighter **Q** from one of the two power sockets located inside the ashtrays and insert the plug **M.**
– Turn the ignition key to **MAR** to supply power to the socket and turn the compressor on by pressing switch **O.**
– Stop the compressor when the pressure indicated by the gauge **L** reaches the recommended level (see Chapter 7) and screw the cap on the valve.

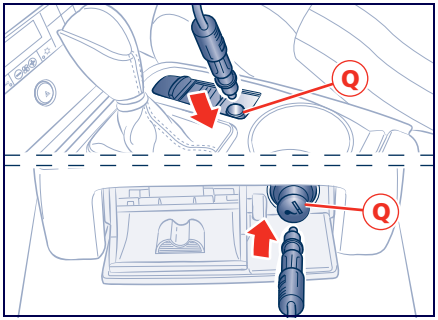
WARNING: In order to obtain a more accurate reading, the compressor should be switched off when checking the tyre pressure with the pressure gauge.

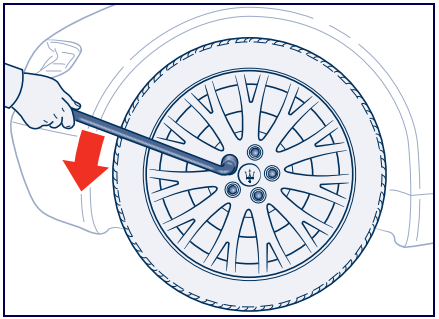
WARNING: not run the compressor for more than 20 minutes: there is a risk it could overheat. The compressor has been designed exclusively to inflate compact spare wheels; do not use it to inflate air mattresses, dinghies etc.

WARNING: Power is only supplied to the socket when the key is on **MAR** and can only be used with accessories that have a maximum absorption of 15 A (180 W power). Do not connect accessories with a higher absorption than that indicated to the power socket. Any prolonged power absorption may discharge the battery, subsequently preventing the engine from starting.

– Fit the adapter **H** on the spanner **G**. Extend the spanner for use as shown, and then loosen by approximately one turn the five bolts on the wheel to be changed.







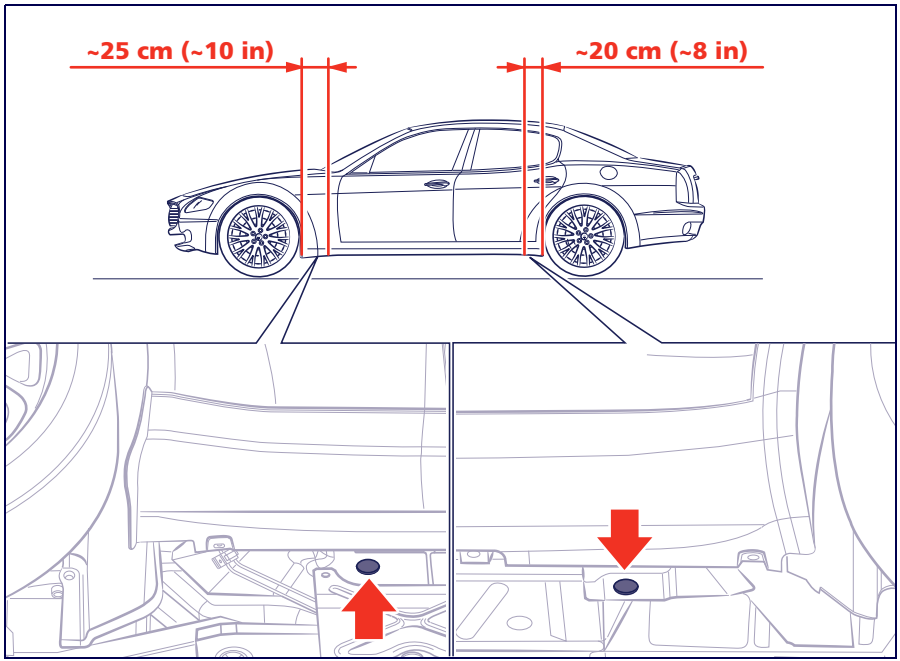
If a tyre gets a puncture

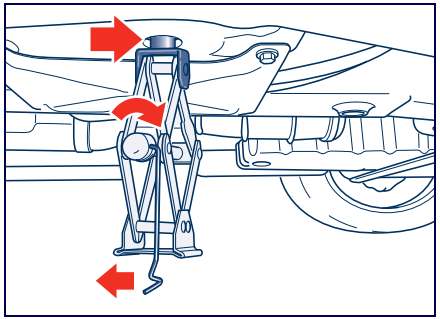
– Remove the jack from the container and partially open it by unlocking and turning the lever clockwise.

– Place the jack near the wheel to be changed at one of the points illustrated.

– Make sure that the head of the jack is correctly inserted in one of the slots on the frame.

The lifted vehicle may fall and damage the vehicle's body if the jack is not positioned correctly.



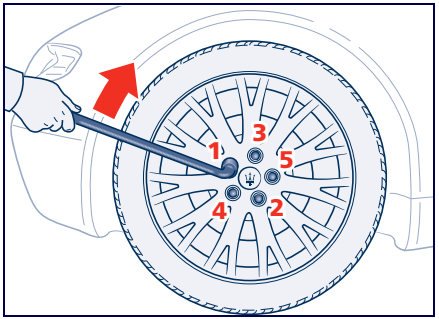


– Turn the lever until the wheel is raised a few centimetres off the ground.
– Completely unscrew the five bolts and remove the wheel.
– Fit the compact spare wheel, securing it with the five bolts previously removed.

WARNING: The compact spare wheel must be fitted using the bolts that secure the standard wheels.

– Turn the lever of the jack to lower the vehicle and remove the jack.
– Fully tighten the bolts, alternately tightening diametrically opposite bolts in the order shown in the diagram.

The spare wheel is narrower than standard wheels and must only be used to travel the distance required to reach a service station, where the punctured tyre can be replaced.



Do not exceed a maximum speed of 80 km/h (50 mph) when using the compact spare wheel; when this limit is exceeded, the stability, road holding and braking of the vehicle will be compromised. Avoid accelerating to full speed, heavy braking and fast cornering.

The compact spare wheel must be inflated to the recommended tyre pressure level (see Chapter 7).

For safety reasons, it is absolutely forbidden to drive with more than one compact spare wheel fitted on the vehicle.

Snow chains cannot be fitted on the compact spare wheel.

The spare wheel can travel a maximum of 3000 km (1,864 mi).

WARNING: Used wheels may stain the carpet; protect the carpet if possible.

To refit the standard wheel

– Following the procedure described above, raise the vehicle and remove the compact spare wheel.
– Fit the standard wheel.
– Tighten the bolts using the appropriate spanner, suitably extended.
– Lower the vehicle and remove the jack.
– Fully tighten the bolts in the order described above.

Observe the tightening torque for the bolts securing the wheels (98 ± 10 Nm). This is equivalent to a load of approximately 20 kg (44 lb) being placed on the handle of the spanner supplied when extended for use.

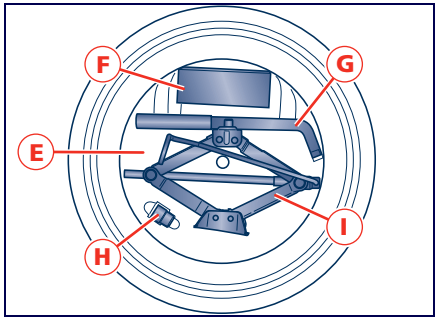
When finished:

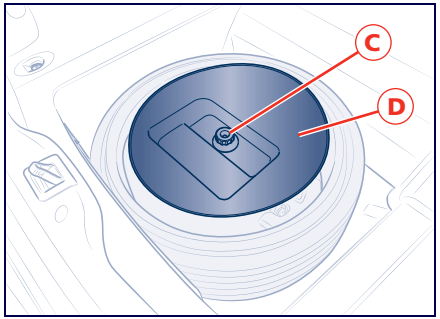
– Completely deflate the compact spare wheel by pressing on the valve with the overhang of the valve cap.
– Place the compressor **F**, the jack **I**, the spanner **G** and the adapter **H** in the container **E** inside the compact spare wheel.
– Place the compact spare wheel and tool container in the luggage compartment.
– Replace the cover **D** and fix everything in place with the locking pin **C.**
– Replace the cover at the bottom of the luggage compartment.

WARNING: Used wheels may stain the carpet; protect the carpet if possible.

Check the pressure of the tyres after refitting the standard wheel.

The jack should only be used when changing wheels. Under no circumstances must it be used for repairs under the vehicle.





If an exterior light goes out

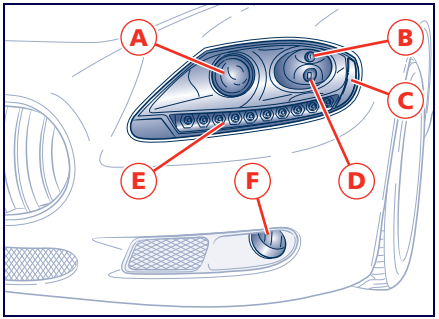
WARNING: Before replacing a light bulb, make sure that the corresponding fuse is intact. For replacement, use only genuine new light bulbs having the same characteristics as the bulb to be replaced.

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 light bulb.



If an exterior light goes out

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 Multi Media 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 the Maserati Service Network only: RISK OF ELECTRICAL SHOCK!

Due to the complexity of the operation, we recommend that you contact the **Maserati Service Network** for the replacement of all of the light bulbs.

Taillight clusters

The taillight bulbs are arranged as follows:

G – Direction indicator light bulb.

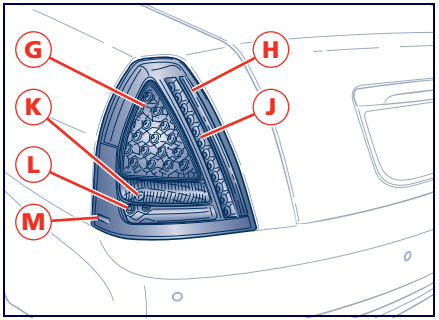
H – Position light bulb.

J – Stop light LED.

K – Reverse light bulb.

L – Rear fog light bulb.

M – Side-marker LED.



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.

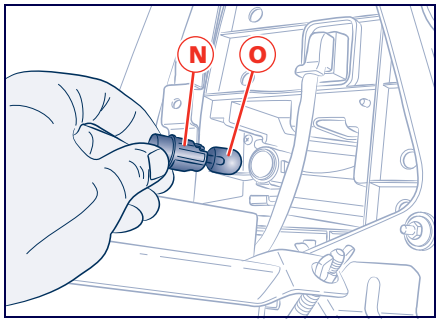
Direction indicator side lights

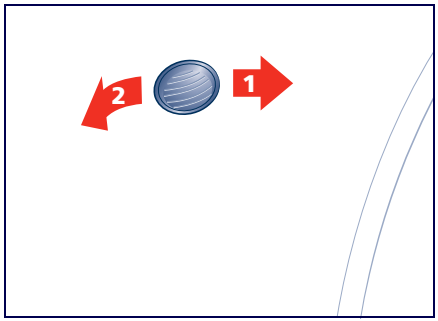
To replace the lateral direction indicator light bulb (5W):

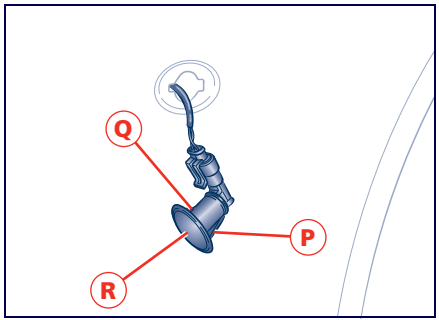
1) Push the direction indicator forward to press the spring clip **P**.

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.







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

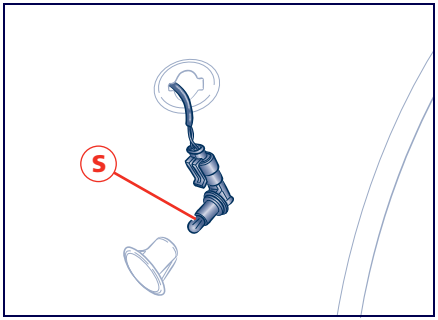
In order to replace the bulbs, the optical unit has to be removed. It is therefore recommended that you contact the **Maserati Service Network.**

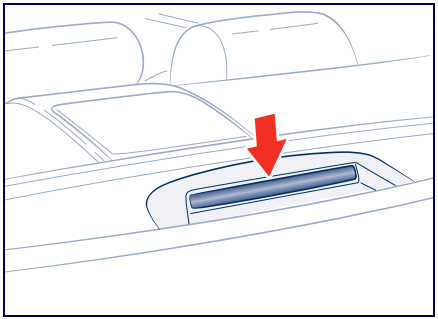
Number plate lights

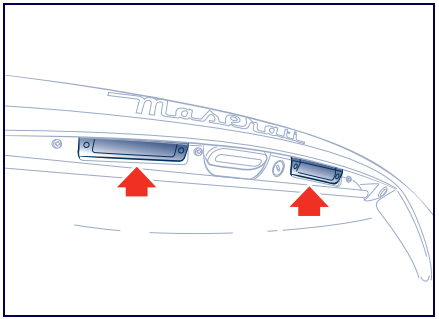
To replace the number plate light bulb (C 5W):

1) Back off 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 rating as the bulb to be replaced.

Front and rear dome light

To replace the bulbs:

1) Use a screwdriver to gently lever 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.

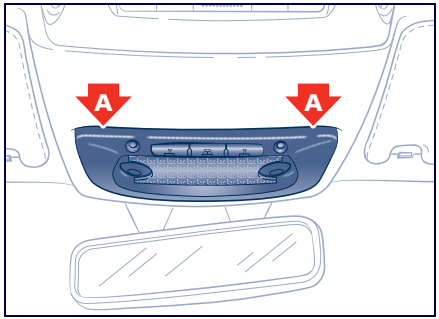
Courtesy mirror light

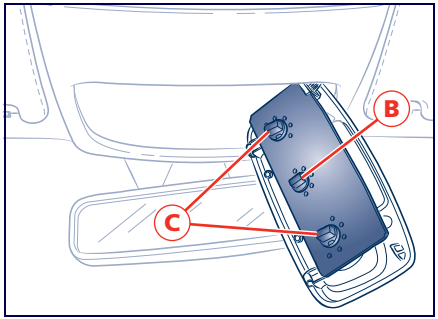
To replace the bulb (12V - 5W "torpedo" type):

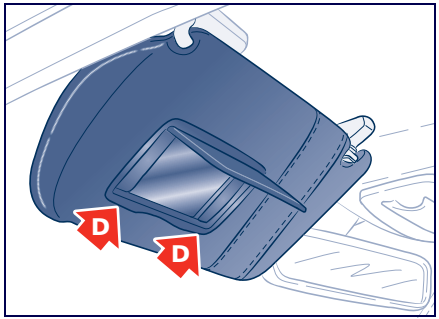
1) Remove the fixing frame by levering it out gently at points **D**.

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

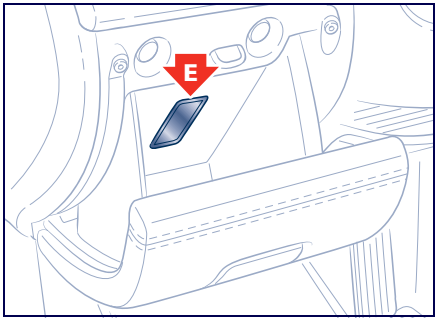
To replace the bulb:

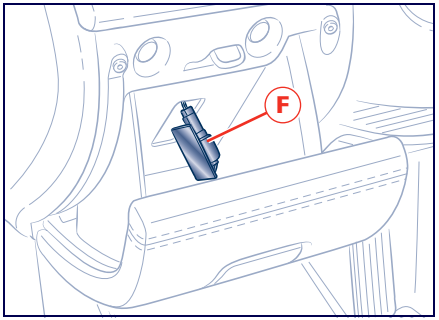
1) Remove the transparent cover by levering it out gently at point **E** with a screwdriver.

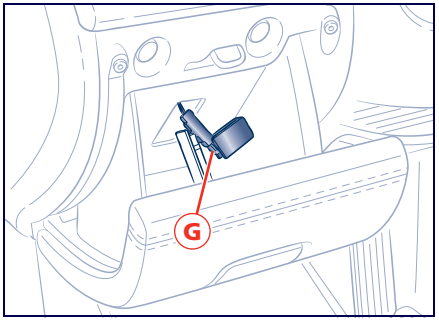
2) Raise the cover **F**.

3) Replace the light bulb **G**.

4) Refit the cover, inserting first the two-tab side and then pressing on the other side.







Courtesy lights (below door)

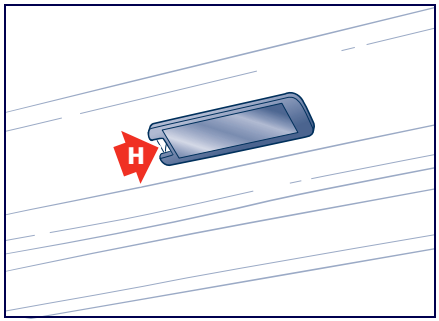
To replace the bulb:

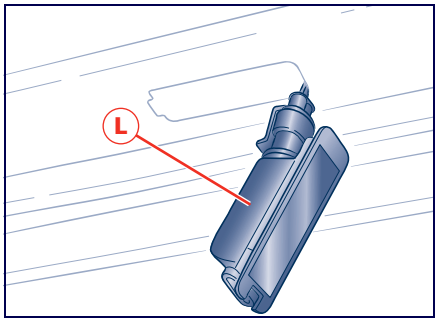
1) Use a screwdriver positioned at point **H** to lever out the light fixing frame.

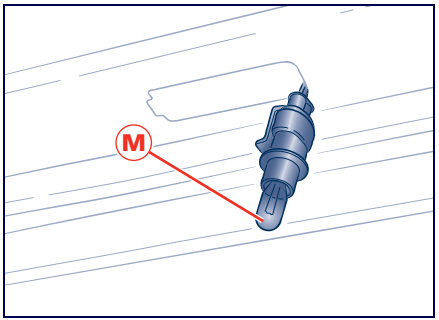
2) Rotate the bulb holder **L** and take it out.

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.







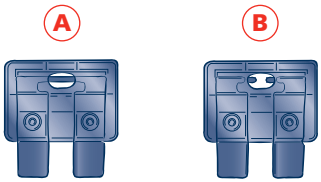
If a fuse blows

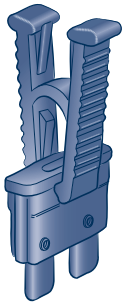
Replacing the fuses

When an electrical device is not functioning, check that the corresponding fuse is in proper working order (intact).

A - Fuse intact.

B - Fuse blown.





If a fuse blows

Replace the faulty fuse with a new one featuring the same rating (same colour).
If the fault recurs, consult the **Maserati Service Network**.

Never replace a blown fuse with anything other than a sound fuse (same rating/ colour).

Position of fuses/relays

The fuses/relays are located in various parts of the vehicle, namely:

– On the right hand side of the luggage compartment.
– Behind the glove compartment, to the left of the steering wheel.
– On the right hand side of the luggage compartment.

Fuse colours

	dark yellow	brown	red	light blue	yellow	white	green
Ampere	A5	A7.5	A10	A15	A20	A25	A30

Maxi Fuse colours

	yellow	green	orange	red	blue
Ampere	A20	A30	A40	A50	A60

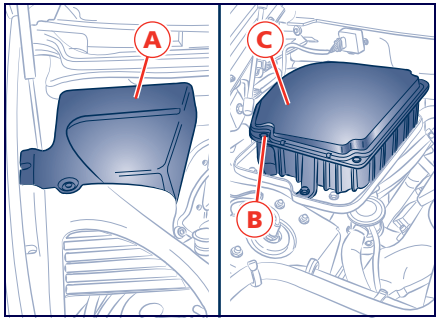
Fuses and relays in the engine compartment

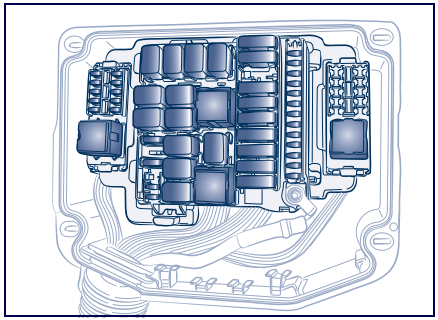
To access the fuses/relays, lift the engine compartment lid, remove the covering panel **A**, then undo the 4 screws **B** to remove the cover **C**.

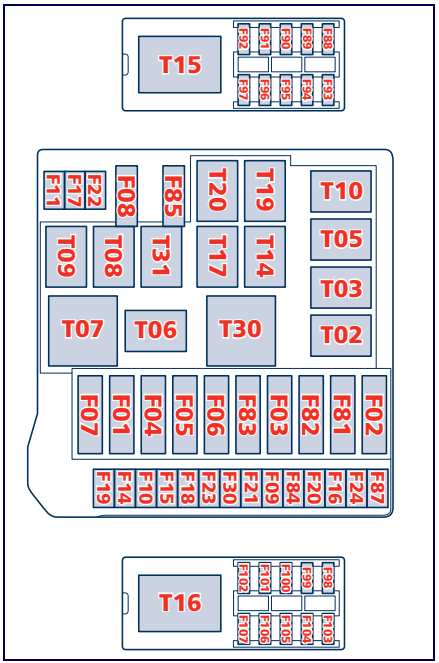
The fuses/relays are housed in 3 control boxes.

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 for too long directly 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 - 2n speed relay
T17	-	-
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 60 A	Blue	+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	Maxi 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

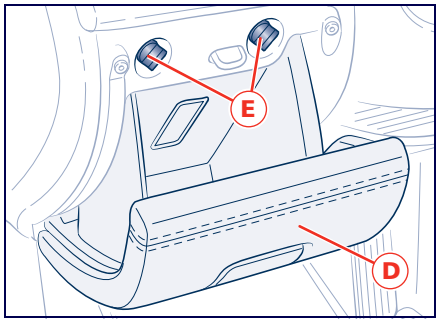
Pos.	Amp.	Colours	System / Component
F84	20 A	Yellow	+30 Ignition switch
F85	30 A	Green	Headlight washer power supply
F87	-		-
F88	15 A	Light blue	+main relay, injectors/cylinder coils 1-4
F89	15 A	Light blue	+main relay, injectors/cylinder coils 5-8
F90	15 A	Light blue	+main relay I.E. secondary connected 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	-		-

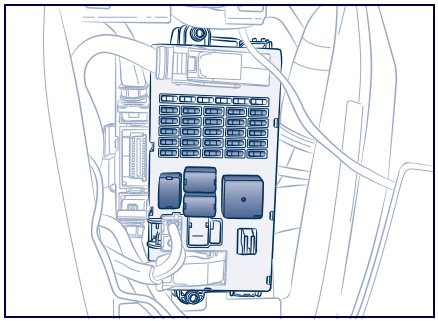
Fuses and relays in the passenger compartment, to the left of the steering wheel

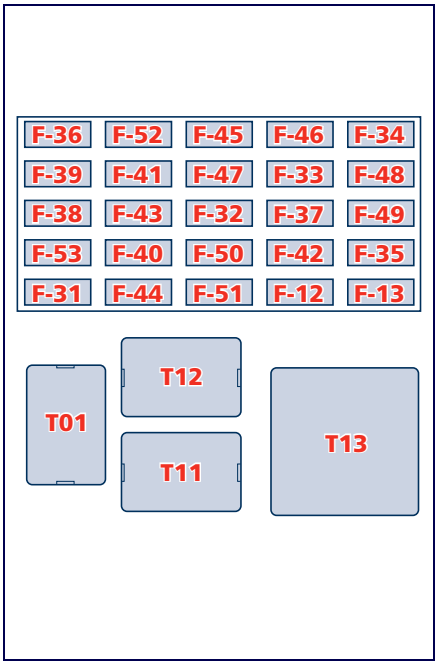
To access the fuses/relays, open the glove compartment **D** and undo the 2 screws **E**.

The fuses/relays are housed in 2 control boxes.

The list of fuses and relays is shown in the following pages.







Relays in the passenger compartment, to 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
T13	Maxi-relay 50A	Connected devices 2

Fuses inside the passenger compartment, to the left of the steering wheel

Pos.	Amp.	Colours	System / Component
F12	15A	Light blue	Right-hand low beam
F13	15A	Light blue	Left-hand low beam
F31	7,5A	Brown	INT/A For A.C. unit NBC (Body Computer Node)
F32	10A	Red	Dome lights, step lights, CAV
F33	20A	Yellow	NVB (Luggage compartment node) Power supply 1 (Service Relay 2)
F34	20A	Yellow	NVB (Luggage compartment node) Power supply 2 (Service Relay 2)
F35	7,5A	Brown	+15 SCC (Cruise Control Satellite), NTP (gen. 2.5)
F36	10A	Red	+30 (position available for NPE and NBS)
F37	10A	Red	+15 NQS (Instrument Panel Node), NFA, CPD
F38	15A	Light blue	Reverse lights
F39	10A	Red	+30 For NIM (Inside Roof Node), Multi Medium System (Infotelematics Node), NCL (Air conditioning and heating system node), EOBD diagnostic socket, CSA (Alarm system siren ECU), clock
F40	30A	Green	Heated rear window
F41	15A	Light blue	Windscreen/Rear window washer nozzle defroster (Position available)
F42	7.5	Brown	+15 NFR (Braking system node)

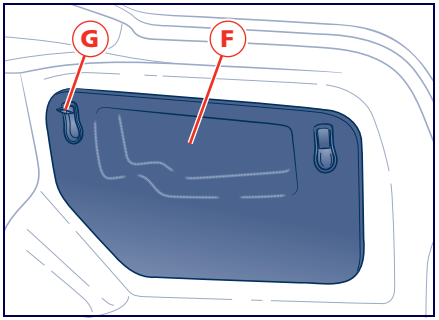
Pos.	Amp.	Colours	System / Component
F43	30A	Green	Windscreen wiper/washer (Connected Devices Relay INT/A)
F44	20A	Yellow	Cigarette lighter - Power socket (INT/A connected device relay)
F45	25A	White	Electromagnets for Headrest Recline
F46	15A	Light blue	Rear window Curtain Motor
F47	20A	Yellow	NPG Power Supply (Driver's door node)
F48	20A	Yellow	NPP Power Supply (Passenger's door node)
F49	7,5A	Brown	+15 For NVO (Steering wheel node), NSP (Parking Sensor Node), NTV (TV node), NIM (Inside Roof Node), Multi Media System (Info-telematics Node) LH control panel , LH Instrument panel on dashboard, AQS
F50	7,5A	Brown	Airbag system
F51	7,5A	Brown	+15 Windscreen wiper controls, NCA (Automatic gearbox Node)
F52	15A	Light blue	Front Seat heating (Connected Devices Relay INT/A)
F53	10A	Red	Rear fog lights

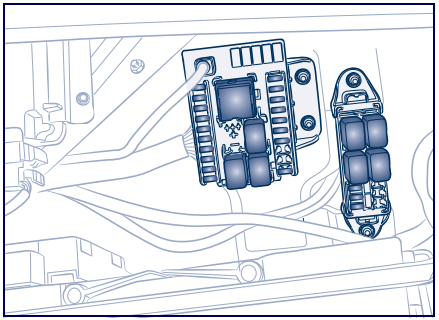
Relay/fuse boxes inside the luggage compartment

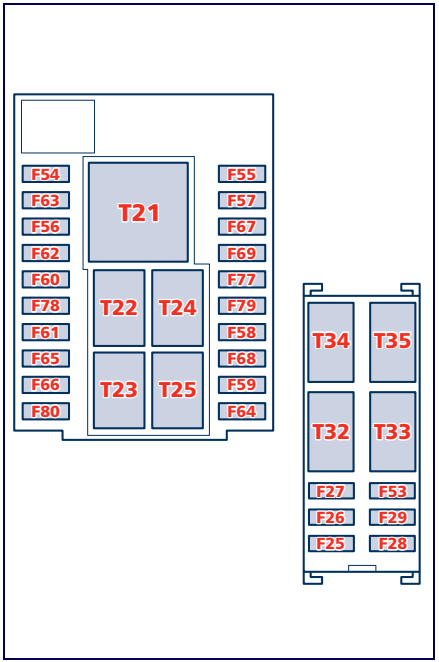
To access the fuses/relays, open the covering panel **F** on the right-hand side of the luggage compartment, levering up the fastening tabs **G**.

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, 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

We recommend that you read the precautions contained in the section "Maintenance" to prevent the battery from going dead and to ensure its long life.

Starting with the auxiliary battery

See the chapter "Starting the engine" on page 152 in the section "Using the vehicle".

WARNING: Under no circumstance should a battery be used for an emergency start: you could damage the electronic systems, particularly the control units which manage the ignition and fuel supply functions.

Recharging the battery

You are advised to recharge 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 key 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 pole terminal (–) then the positive pole one (+).

3) Connect the recharger cables to the battery poles.

WARNING: The battery is secured in the vehicle by means of a metal bracket, therefore, be extremely careful not to let the battery charger clips come into contact with it.

4) Switch on the recharger.

5) When the battery is recharged, turn off the recharger before disconnecting it from the battery.

6) Reconnect the terminals to the battery poles, observing the polarity.

WARNING: First reconnect the positive pole terminal (+) and then the negative pole one (–).

WARNING: Before reconnecting the battery terminals, check that the key has been removed from the ignition switch or at least that it is in **STOP** position.

The fluid contained in the battery is poisonous and corrosive. Avoid contact with the skin and eyes. The battery recharging procedure must be carried out in a ventilated environment, away from naked flames or possible sources of sparks: risk of explosion and fire.

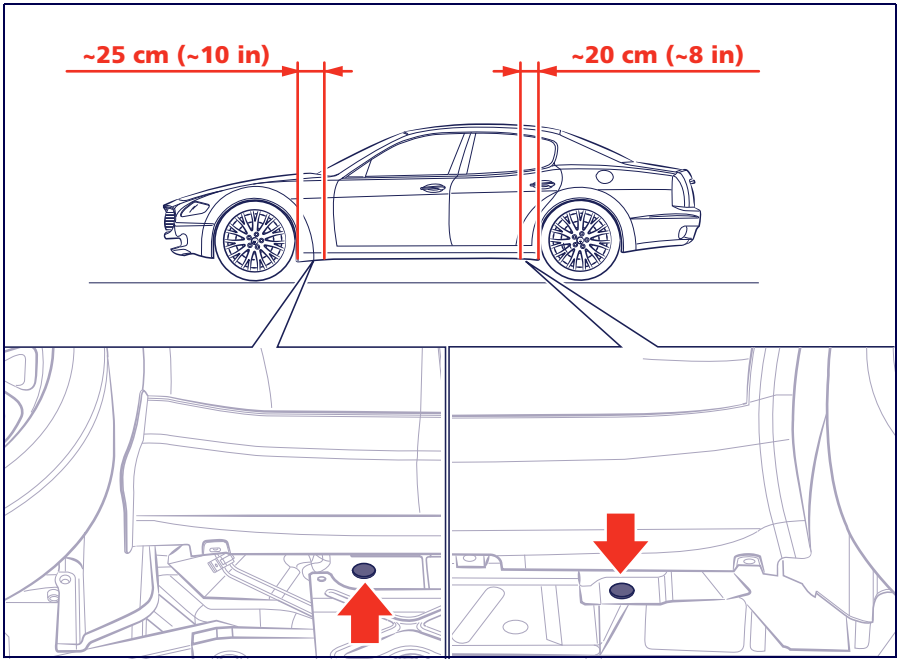
Each time the battery is reconnected, follow the instructions given in the "Battery reconnection" section on page 255.

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 tyre gets a puncture”, in this section.



If you have to jack up the vehicle

If you have to tow the vehicle

If you need to tow the vehicle, observe the following recommendations:

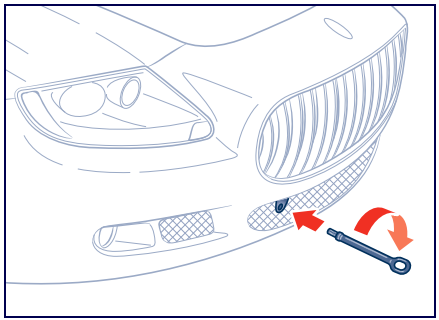
– if possible, have the vehicle transported on a vehicle specific for roadside assistance and recovery;

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 a distance of less than 100 km (62 mi) at a speed below 60 km/h (37 mph).



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 to **N**.
If the electronic parking brake (EPB) is applied, you must release it, see on page 183.

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. If this is not observed, when the ESC is active, the ECU will store a malfunction and the relative warning light will illuminate on the instrument panel display. This requires the intervention of the **Maserati Service Networ**k for resetting of 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 the towing hook into its seat (approx. 11 turns). Accurately clean the threaded seat before tightening the hook.

In the event of an accident

It is important always to stay calm.

- If you are not directly involved, stop at a safe distance of at least ten meters away from the accident area.
- If you are on a motorway, stop without obstructing the emergency lane and be especially careful if you need to exit the vehicle.
- Turn off the engine and switch on the hazard lights.
- At night, illuminate the accident area with the headlights.
- Always act with caution: 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 motorway, use the special call boxes.
- 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.
In multiple accidents occurred on motorways, 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 them to assist them.
- Release or cut the seat belts restraining the injured persons.
- Do not give the injured persons anything to drink.
- Never move an injured person.
- Remove the injured person from the vehicle only in emergency situation, e.g. if there is a risk of fire, sinking in water or falling down into a pit. When removing an injured person, do not pull his/her limbs, never bend his/her head and, as far as possible, keep his/her body in a horizontal position.

First aid kit (*)

Housed inside the luggage compartment, this kit contains the following:

- sterile gauze to cover and clean the wounds;
- bandages of various size;
- treated adhesive bandages of various sizes;
- an adhesive bandage strip;
- a pack of cotton wool;
- a bottle of disinfectant;
- a packet of paper cleaning tissues;
- a pair of rounded-end scissors;
- tweezers;
- two haemostatic tubes.

(*) The first-aid kit is provided with vehicles to be used in markets where these items are mandatory.

Capacities and technical specifications

Fuel

Only use unleaded premium fuel with an octane number (R.O.N.) of no less than 95.
Fuel tank capacity: approx. 90 litres, including a 18 litre reserve.

WARNING: The anti-pollution devices of the vehicle require unleaded fuel to be used at all times. Under no circumstance, not even in emergency situations, should leaded fuel be supplied to the fuel tank, not even a minimum quantity. This would irreparably damage the catalytic converters.

WARNING: An inefficient catalytic converter results in noxious exhaust emissions which damage the environment.

Gasoline Containing Alcohol & Ethers (“Oxygenated Fuels”)

Some fuels in some geographical areas, contain “oxygenates” which are usually alcohols or ethers. The fuel station 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: WARNING: Some geographical areas, require the use of “oxygenated” fuels to meet seasonal air quality standards.

- Alcohol - Ethanol: Fuels containing ONLY up to 10% ethanol by volume may be used (ethanol may also be referred to as Ethyl alcohol, or “Gasohol”.
- Ethers - MTBE: Fuel containing ONLY up to 15% MTBE may be used.

WARNING: 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.

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.
The gap between the MIN and MAX reference marks on the dipstick corresponds to about 1.5 litres of oil.
Use SAE 5W/40 API SL/CF and ACEA A3, B3, B4 oil for fuel-powered engines.

Capacities: quantity and specifications of the products to use

Capacities and recommended products

Parts to be refilled	Quantity	Product specifications
Fuel tank (including low fuel sector)	approximately 90 litres (20 UK gal)	Premium unleaded fuel with no less than 95 R.O.N.
Fuel reserve	approximately 18 litres (4 UK gal)	
Engine oil:		Entirely synthetic multigrade lubricants SAE 5W/40 that meet API SL/CF and ACEA A3, B3, B4 specifications. Oil type Shell Helix Ultra 5W-40. API SM/CF approved by Maserati.
- replace at regular intervals	9,0 litres (2 UK gal)	
- top up from the MIN to the MAX level	1,5 litres (0.3 UK gal)	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 vehicle.
Windscreen/headlight washer fluid tank	6,5 litres (1.4 UK gal)	Mix of water and detergent fluid, in the proportions indicated on the product package. Detergent fluid: Mix of CUNA NC 956-II surfactants and alcohols. Recommended type: DP1. WARNING: If the temperature is below –20°C, use pure detergent fluid.
Engine cooling circuit	13 litres (2.9 UK gal)	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.

Parts to be refilled	Quantity	Product specifications
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	10,03 litres (2.2 UK gal)	Oil Type SHELL M1375.4 DEXTRON III
Differential oil	1 litre (0.2 UK gal)	Oil type: SHELL SPIRAX S 75W140
Braking system	-	Synthetic fluid: USA FMVSS n. 116 DOT 4, ISO 4925 Class 4, JIS K 2233 Class 5, AS/NZ 1960 Class 3, SAE J1704, CUNA NC 956-01. Type: Shell Donax UB (DOT4 Ultra) or Shell Brake and Clutch Fluid DOT 4 Ultra.
Air conditioning and heating system coolant	1,050 cc +/- 30 gr (0.23 UK gal +/- 0.066 lb)	R134a (version Quattroporte)
	600 gr +/- 30 gr (1.32 lb +/- 0.066 lb)	R134a PAG RL 897 (version Quattroporte S, Quattroporte SPORT GT S)
Air conditioning and heating system compressor oil	125 ml (0.027 UK gal)	Type: SP 10 (Sanden) (version Quattroporte)
	200 ml +/- 10 ml (0.044 UK gal +/- 0.002 UK gal)	Oil type: Ucon RL 897 (version Quattroporte S, Quattroporte SPORT GT S)

Fuel consumption

The fuel consumption values shown in the following table were established based on homologation tests prescribed by specific European Directives.
The test procedures adopted for fuel consumption measuring are the following:

- **urban cycle**: this test begins with a cold start, followed by simulation of an urban route;
- **extra-urban cycle**: this test involves frequent accelerations in all gears, simulating use of the vehicle on routes outside urban areas; the speed varies between 0 and 120 Km/h (75 mph);
- **combined cycle**: this is calculated by considering a route consisting of about 37% urban cycle and 63% extra-urban cycle.

Consumptions in compliance with EC DIRECTIVES 715/2007 and EC 692/2008 (litres/100 Km)

	Urban	Extra-urban	Combined
Quattroporte	21,99	10,50	14,73
Quattroporte S **Quattroporte SPORT GT S**	22,50	10,30	14,80

WARNING: The type of route, traffic and weather conditions, driving style, general condition of the vehicle, equipment/accessories in the vehicle, use of the air conditioning system, vehicle load and other items or situations which may negatively affect the vehicle aerodynamics or wind resistance lead to consumption ratios differing from the indicated ones.

CO_2 exhaust emissions

The CO_2 exhaust emission ratings shown in the following table refer to an average fuel consumption.

CO_2 emissions in compliance with EC DIRECTIVES 715/2007 and EC 692/2008 (g/km)

	Urban	Extra-urban	Combined
Quattroporte	514,9	246,1	345,0
Quattroporte S **Quattroporte SPORT GT S**	524	240	345

Technical specifications

Engine

General		Quattroporte	Quattroporte S	Quattroporte SPORT GT S
Type code		M139 A	M139 S	M139 S
Cycle		Otto	Otto	Otto
Cylinder number and position		8 - 90° V	8 - 90° V	8 - 90° V
Number of valves per cylinder		4	4	4
Bore and stroke	mm	92x79,8	94x84,5	94x84,5
Total displacement	cm^3	4.244	4.691	4.691
Compression ratio		11.058:1	11.02:1	11.02:1
Maximum power (EC)	kW CV	295 400	320 430	323 440
corresponding RPM	RPM	7.100	7.000	7.000
Maximum torque (EC)	Nm kgm	452 46	490 50	490 50
corresponding RPM	RPM	4.750	4.750	4.750

Injection – Ignition

The ignition and injection system is controlled by a single microprocessor ECU. This enhances engine performance, improving vehicle handling, and reduces fuel consumption, by optimising engine performance with partial loads.

Injection

– Type Bosch Motronic ME9.1.1.

Ignition

– Static ignition
– Ignition sequence: 1-8-6-2-7-3-4-5
– Ignition coil: ELDOR.
– Spark plugs: NGK PMR8C-H.

Battery

– FIAMM 12V 100 Ah 850A.

Alternator

Version Quattroporte

– NIPPONDENSO 12V 150A

Version Quattroporte S and Quattroporte SPORT GT 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 obtained by means of an anti-freeze mixture circulating inside a system 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 gears plus reverse.

Gear	Gearbox ratios	Total reduction ratios (engine RPM/wheel RPM)
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 Distribution (EBD) and braking assistance system (HBA) for emergency braking.

Electric parking brake

The electric parking brake (EPB) acts on the rear wheels.
It is activated manually, by lifting the lever found on the centre console panel see page. 183.

Suspension

Front and rear

Articulated quadrilateral suspension.

Adjustable damping Skyhook suspension

This system allows the driver to choose two settings for the dampers in relation to the conditions of the road surface, speed and comfort.

Speed-sensitive steering wheel

Rack and pinion power steering, with pump driven by the drive shaft and tank. Articulated steering column, with energy absorption and adjustable inclination and height. Speed-sensitive, it gets more rigid as the speed increases.

– Steering diameter = 12,3 m (13.4 yd).
– No. of steering wheel turns = 1.5 (to the left and right).

Wheels

Wheel rims and tyres/

	Quattroporte		Quattroporte S		Quattroporte SPORT GT-S	
	Rim size	**Tyre size**	**Rim size**	**Tyre size**	**Rim size**	**Tyre 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 19" (+)	245/40 ZR19 (+)
	8.5"J x 20" (+)	245/35 ZR20 (+)	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 19" (+)	285/35 ZR19 (+)
	10.5"J x 20" (+)	295/30 ZR20 (+)	10.5"J x 20" (+)	295/30 ZR20 (+)	10.5"J x 20"	295/30 ZR20
front winter tyres	8.5"J x 18"	245/45 VR18	/	/	/	/
	8.5"J x 19" (+)	245/40 ZR19 (+)	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 (+)	8.5"J x 20"	245/35 ZR20
rear winter tyres	10.5"J x 18"	285/40 VR18	/	/	/	/
	10.5"J x 19" (+)	285/40 VR19 (+)	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 (+)	10.5"J x 20"	295/30 ZR20

(+) Rims and tyres available on request

Run Flat (optional)

		Quattroporte		Quattroporte S, Quattroporte SPORT GT S
	Rim size	**Tyre size**	**Rim size**	**Tyre 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 tyres having the same dimensions as those provided with the vehicle can be used .

The maximum speed reachable with winter tyres is indicated by the tyre manufacturer. Always comply with the regulations in force in the Country you are driving in.

Never exceed the maximum speed indicated for the winter tyres: failure to respect the max. speed may damage these tyres. Danger: risk of accident!

WARNING: Notwithstanding the prescribed sizes, it is essential that tyres of the same brand and type are fitted to all the wheels in order to ensure safe driving.

WARNING: Do not use air chambers on Tubeless tyres.

Spare wheel (emergency wheel - optional)

Alloy wheel rim.

Version	**Rim size**	**Tyre size**	**Tyre brand**
Quattroporte	6”J x 17”	185/60 R17	VREDESTEIN
Quattroporte S **Quattroporte SPORT GT S**	6”J x 18”	175/55 R18	VREDESTEIN

Snow chains (rear tyre)

Maximum radial protrusion permitted over the tyre profile: 9 mm.

Quattroporte	Quattroporte S	Quattroporte SPORT GT S	Snow chains: brand/type
285/40 ZR18	285/40 ZR19	295/30 ZR20	Konig/Supermagic

WARNING: The snow chains must be fitted only on the rear tyres. For purchasing snow chains, please contact the **Maserati Service Network**.

Performance

	Quattroporte		Quattroporte S		Quattroporte SPORT GT S	
Maximum speed	**km/h**	**mph**	**km/h**	**mph**	**km/h**	**mph**
	270	168	280	174	285	177

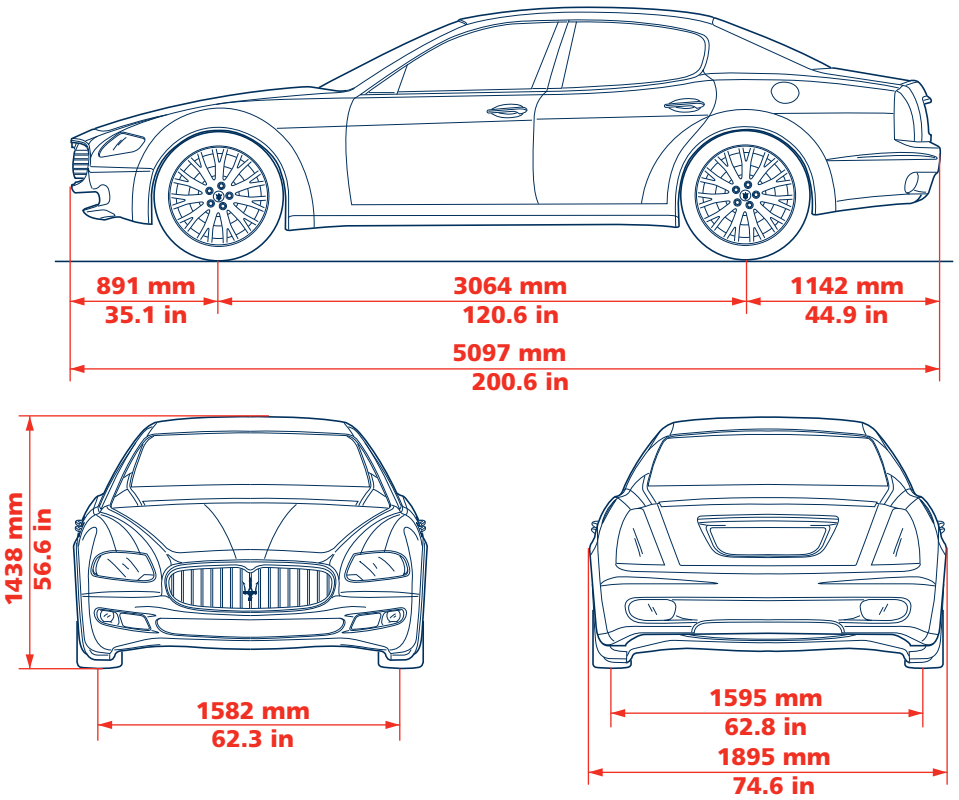
The maximum speed reachable with winter tyres is indicated by the tyre manufacturer. Always comply with the regulations in force in the Country you are driving in.

Accelerations in standing starts (in seconds)	Quattroporte	Quattroporte S	Quattroporte SPORT GT S
	0-100 Km/h	**0-100 Km/h**	**0-100 km/h**
	5,6	5,4	5,1

Weights

Unladen vehicle weight (with tanks filled, tools and accessories)	1990 kg (4,387 lb)
Weight with full load (5 persons plus luggage)	2365 kg (5,213 lb)

Luggage compartment volume (VDA standard): 450 dm^3 approx.



Tyre pressure

Tyre inflation pressure when cold (bar).

	Quattroporte		Quattroporte S		Quattroporte Sport GT S		Inflation pressure when cold -bar (psi)
	Rim size	Tyre size	Rim size	Tyre size	Rim size	Tyre size	
front	8.5”J x 18”	245/45 ZR18	/	/	/	/	2,2 (32)
	8.5”J x 19” (+)	245/40 ZR19 (+)	8.5”J x 19”	245/40 ZR19	8.5”J x 19” (+)	245/40 ZR19 (+)	2,2 (32)
	8.5”J x 20” (+)	245/35 ZR20 (+)	8.5”J x 20” (+)	245/35 ZR20 (+)	8.5”J x 20”	245/35 ZR20	2,2 (32)
rear	10.5”J x 18”	285/40 ZR18	/	/	/	/	2,2 (32)
	10.5”J x 19” (+)	285/35 ZR19 (+)	10.5”J x 19”	285/35 ZR19	10.5”J x 19” (+)	285/35 ZR19 (+)	2,2 (32)
	10.5”J x 20” (+)	295/30 ZR20 (+)	10.5”J x 20” (+)	295/30 ZR20 (+)	10.5”J x 20”	295/30 ZR20	2,0 (29)

(+) Rims and tyres available on request

Run Flat (optional)

	Quattroporte		Quattroporte S, Quattroporte SPORT GT S		Inflation pressure when cold-bar (psi)
	Rim size	Tyre size	Rim size	Tyre size	
front	8.5”J x 18”	245/45 ZR18	/	/	2.2 (32)
	8.5”J x 19”	245/40 ZR19	8.5”J x 19”	245/40 ZR19	2.2 (32)
rear	10.5”J x 18”	285/40 ZR18	/	/	2.2 (32)
	10.5”J x 19”	285/35 ZR19	10.5”J x 19”	285/35 ZR19	2.2 (32)

Alternatively, winter tyres having the same dimensions as those provided with the vehicle can be used.

The maximum speed reachable with winter tyres is indicated by the tyre manufacturer. Always comply with the regulations in force in the Country you are driving in.

Never exceed the maximum speed indicated for the winter tyres: failure to respect the max. speed may damage these tyres. Danger: risk of accident!

Spare wheel (emergency wheel - optional).

Version	Rim size	Tyre size	Inflation pressure When cold-bar (psi)
Quattroporte	6”J x 17”	185/60 R17	2,5 (36.2)
Quattroporte S Quattroporte SPORT GT S	6”J x 18”	175/55 R18	3,5 (50.8)

Maintenance

Scheduled Maintenance Services

Correct maintenance is clearly the best way to guarantee vehicle performance and safety features, ensure respect for the environment and low operating costs.

WARNING: Also remember that the scrupulous observance of the maintenance procedures is essential for keeping your vehicle operating properly. Not adhering to the Maintenance Schedule can impact your vehicle's warranty.

For this reason, MASERATI has provided for a series of checks and maintenance operations involving the 1st service when the vehicle mileage reaches 20000 km (12,500 mi) or after 2 years of the vehicle's life, and subsequently every 20000 km (12,500 mi) or every 2 years.

After the 9th maintenance service

After the 9th 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 can affect your warranty.

The Scheduled Maintenance service is provided by the whole **Maserati Service Network**. In the event that, when a service is performed, further replacements or repairs are found to be necessary in addition to the scheduled operations, these can be carried out only with the specific consent of the Customer.

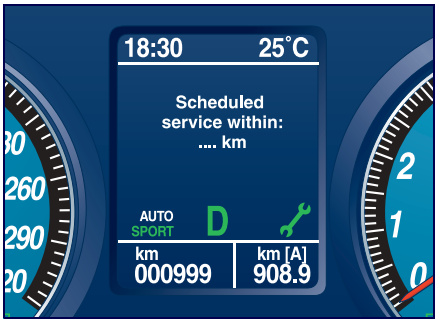
WARNING: You are advised to notify the **Maserati Service Network** of any minor operating problems, without waiting for the next service.

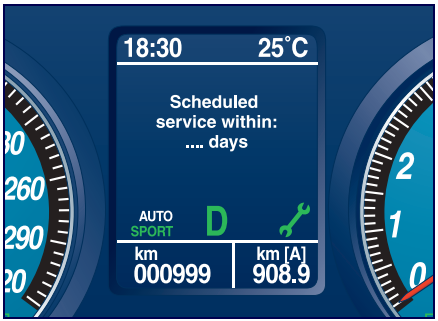
The Maintenance Schedule is found in the "Warranty Card and Owner's service book".

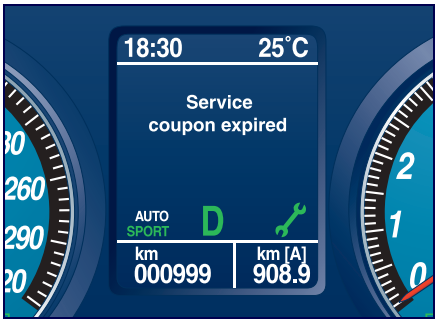
When the deadlines for Scheduled Maintenance are approaching, a message on the display indicates that maintenance service is due. The deadline may be expressed in Km/Mi or days, whichever comes first.
The message is displayed only once, upon activating the instrument panel, at decreasing intervals expressed in Km/Mi (1800, 1600, ... 100, 50) or in days (27, 24, ... 6, 3), accompanied by a specific symbol (wrench):
When the number of kilometres/miles or the expiry day for maintenance service has been reached, every time the instrument panel activates, the message "Service coupon expired" will be displayed.

Select "MAINTENANCE INFO" on the Multi Media System to display the next deadline for maintenance service (see the section “On board computer (TRIP)” in the Multi Media System manual). The number of kilometres/ miles 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 Multi Media System date and time must be set following the instructions in the “Multi Media System” manual, section 7, “System Configuration”. Failure to perform this operation may cause the system to indicate wrong maintenance service intervals.







Additional operations

Every 500 km (310 mi) or before long journeys, check and if necessary correct:

– engine coolant leve;l
– windscreen washer fluid level;
– tyre pressure and condition.

WARNING - Engine oil

If the vehicle is used mainly in one of the following particularly severe conditions:

– dusty roads ;
– short repetitive trips (less than 7-8 km / 4-5 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 Service Time Schedule.

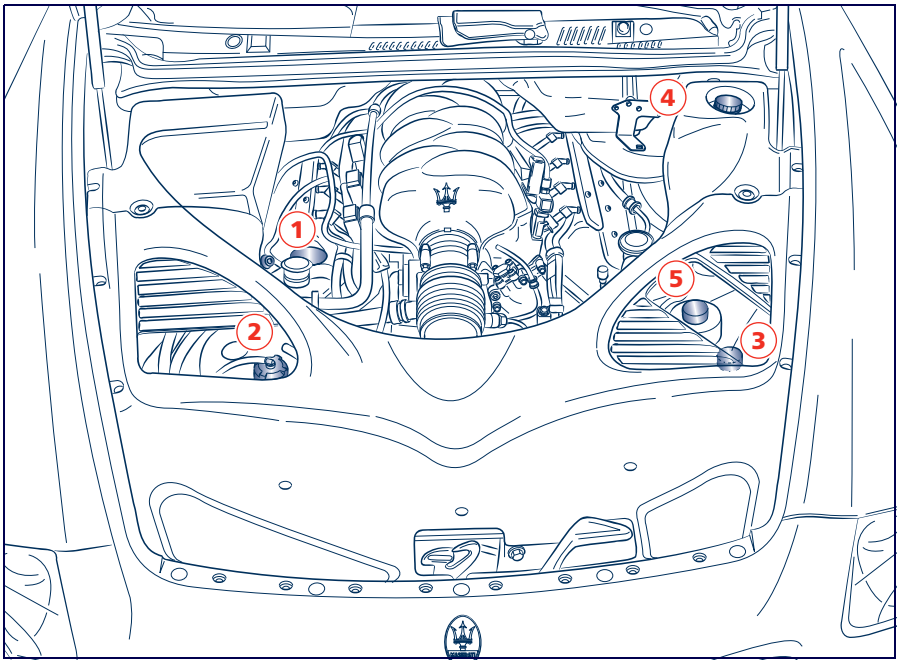
WARNING - Air filter

When using the vehicle on dusty roads, replace the air filter more frequently than indicated on the Service Time Schedule.
Contact the **Maserati Service Network** if you have any doubts about the frequency for the engine oil and air filter replacements, in the relation to the vehicle's conditions of use.

WARNING: All maintenance operations for the vehicle must be carried out by the **Maserati Service Network**. 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 have no experience.

Level checks

1) Engine oil.
2) Engine coolant.
3) Windscreen/headlight washer fluid.
4) Brake fluid.
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 1,5 litres (0.3 UK gal) of oil.

WARNING: Do not exceed the **MAX** level!

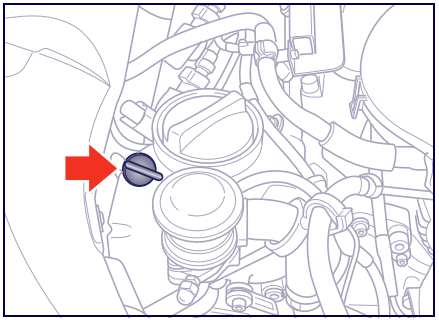
If the oil level is close to or below the **MIN** level notch, top up to the **MAX** notch through the filler neck positioned next to the dipstick and closed with the cap **A**. The oil level should never exceed the **MAX** reference mark.

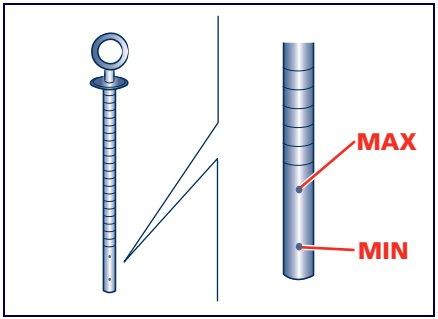
WARNING: Do not top up with oil having characteristics other than those of the oil already used in the engine.

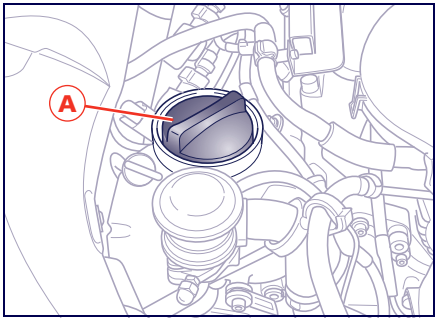
After topping up, the engine oil level warning light may not go off for some time while the system is performing the necessary tests. This is to be considered normal.

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 the **Maserati Service Network**, 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.







Level checks

Gearbox oil

Contact the **Maserati Service Network** for the oil level check.

WARNING: Do not top up with oil having characteristics other than those of the oil already used in the engine.

WARNING: Waste gearbox oil contains substances that are dangerous for the environment. For replacing the oil, you are advised to contact the **Maserati Service Network**, 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 pan: risk of burns!

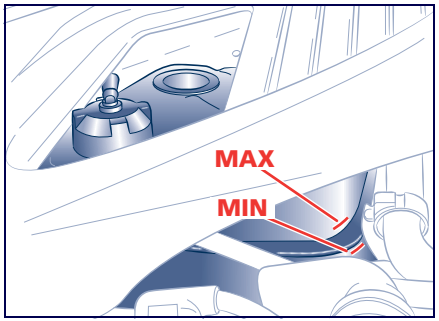
The fluid level must be checked when the engine is cold, and it must fall between the **MIN** and **MAX** references marked on the pan.
If the level is low, slowly pour the prescribed fluid through the filler neck on the pan until the level is close to the **MAX** reference point.

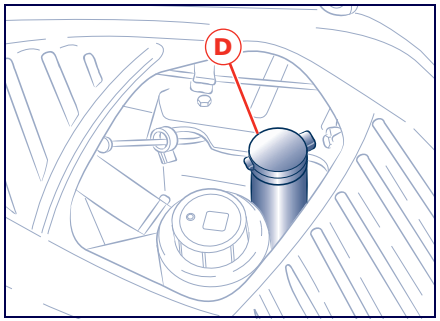
Windscreen/headlight washer fluid

To top up with fluid, open the cover **D**, pull out the filler neck extension and pour in a mixture of water and detergent fluid, in the proportions indicated on the product's packaging.

WARNING: If the temperature is below –20 °C (-4 °F), use pure detergent fluid.

WARNING: Do not drive with the windscreen washer reservoir empty: the action of the washer is essential for improving visibility.





Power steering fluid

WARNING: Make sure that the power steering fluid does not come in touch 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

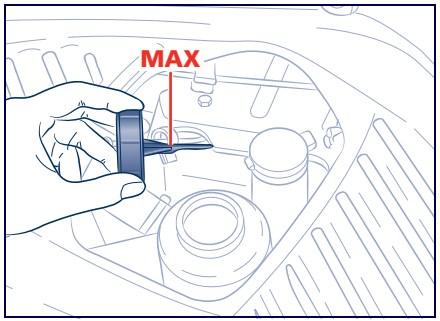
Check that the fluid level in the tank is at the maximum level. If the level drops below the minimum level, with the ignition key turned to **MAR**, the warning light turns on on the instrument panel.

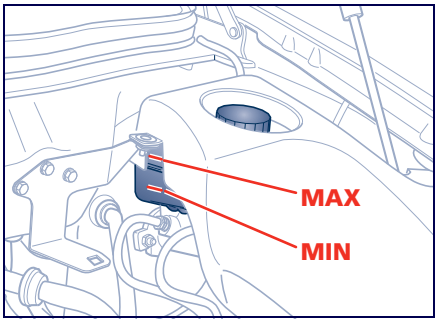
If fluid is needed, use only the type classified as DOT4.

WARNING: The brake fluid is hygroscopic (i.e. it absorbs humidity). 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 Service Time 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 the **Maserati Service Network** to have the air filter replaced.

Dust/pollen filter

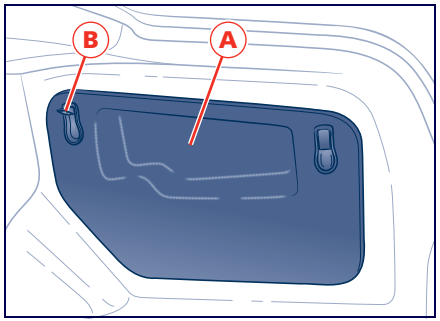
This filter performs mechanic/ electrostatic air filtering, provided that windows and doors are perfectly closed.
Have your dust/pollen filter replaced at least once a year at a **Maserati Service Network Centre**, preferably at the beginning of the summer period.
IF the car is mainly used in the city traffic, on highways or dusty roads, we recommend to replace the filter more frequently than prescribed in the Service Time 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 a Maserati Service Network Centre.

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 on the 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 the **Maserati Service Network** to have the system checked.
To recharge the battery, see the section "In an emergency".

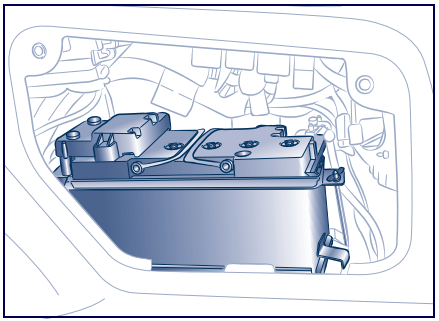


Air filter / Dust/pollen filter / Battery

The fluid contained in the battery is poisonous and corrosive. Avoid contact with the skin and eyes. Do not approach the battery with naked flames or possible sources of sparks: risk of explosion and fire.

Batteries contain substances that are very harmful for the environment. To replace the battery, please contact the **Maserati Service Network**, where the battery will be disposed of in full compliance with the regulations in force and in an environment-friendly manner.

WARNING: Incorrect assembly of electrical and electronic accessories can cause serious damage to the vehicle.



Battery

Useful advices 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 -10°C / 14 °F).

We recommend you to have the battery charge condition checked, preferably at the beginning of the cold season, to prevent the electrolyte from freezing.
This check should be carried out more frequently if the vehicle is used mainly for short trips or if it is equipped with power absorbing devices that remain permanently on even 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 stored for long periods”, in this section.

WARNING: If additional systems have to be fitted in the vehicle, there is the risk of creating dangerous branches 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 pole terminal (–) and then the positive pole one (+).
When the battery is reconnected (see page 255), you must first attach the positive pole (+) 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 the connection efficiency.
- Do not connect or disconnect the terminals of the electronic control units when the ignition key is in the **MAR** 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 80 °C (176 °F) (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 Service Time Schedule. Only use the prescribed spark plugs: faults may arise if the heat rating is unsuitable, or if the specified working life is not guaranteed.

Wheels and tyres

To obtain the best performances and the longest mileage from the tyres, comply with the following precautions during the first 310 miles (500 km):

- **do not drive at the vehicle's maximum speed;**
- **drive on curves at low speed;**
- **avoid sudden steering;**
- **avoid sudden braking;**
- **avoid sudden acceleration;**
- **do not drive at high speeds for too long.**

How to use the tyres

WARNING: The tyres must be constantly kept in good conditions to ensure safe driving.

The tyres' inflation pressure must correspond to the prescribed values and should be checked only when the tyres have cooled down. In fact, the pressure increases as the tyre temperature progressively increases. Never reduce the pressure if tyres are hot.
Insufficient tyre inflating pressure can cause tyre overheating and possible internal damage, which may even lead to the tyre destruction.

Check the inflating pressure of the tyres when cold, at least every two weeks and before long trips.

Impacts with kerbs, holes, and obstacles in the road, and prolonged trips on rough roads can cause tyre damage which may not be visible to the naked eye.
Check your tyres regularly for any signs of damage (e.g. scratches, cuts, cracks, bulges, etc.).
If sharp objects penetrate the tyres, they can cause structural damage which is only visible when the tyre is removed.
In any case, any possible damage must be inspected by an experienced tyre fitter, as it may seriously reduce the tyre life.
Remember that tyres deteriorate with time, even if used little or not at all.
Cracks in the tyre tread and sides, alongside possible bulging, are a sign of deterioration.

Have the old tyres inspected by an experienced tyre fitter, to make sure they can still be used safely. If the same tyre has been on your vehicle for 4 or 5 years, have it inspected anyway by an experienced tyre fitter.

Never fit tyres of uncertain origin.

"Directional" tyres have an arrow on their side showing the rolling direction. To keep the best performance when replacing a tyre, make sure that the rolling direction corresponds to the one shown by the arrow.

During the tyre life, the rolling direction used for the first fitting shall always be observed, also in case of "non-directional" tyres.

Check the depth of the tyre tread at regular intervals (minimum allowed value 1,6 mm/0.06 in). The thinner is the tread, the greater is the risk of skidding.

Drive carefully on wet roads to decrease the risk of aquaplaning.

Windscreen 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 arms of the wiper blade have to be replaced with new ones after two disassembling operations. The special arm fixing system guarantees the perfect 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 windscreen wiper arms carried out at a Maserati Service Network Centre.

Some simple measures may reduce the possibility of damage to the blades.

– In the case of temperatures below zero (32 °F), check that ice has not stuck the rubber part against the windscreen glass. If necessary, use an anti-freeze product to detach it.
– Remove any snow that has accumulated on the windscreen: as well as protecting the blades, this avoids forcing and overheating the wiper's electric motor.
– Do not operate the wipers when the windscreen is dry.

Spray nozzles

If the jet does not work, first check that there is fluid in the pan (see "Level checks" in this section) then check that the nozzles are not clogged.

Replacing the windscreen wiper blades

Due to the difficulty of this operation, we recommend that you contact the **Maserati Service Network** 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 efficiency checked by the **Maserati Service Network**.

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 fluid that, in addition to being incompatible with the system components, contains chloro-fluoro-carbons (CFCs).

Bodywork

Protection from atmospheric agents

The main causes of corrosion are:

– atmospheric pollution;

– salinity and humidity in the atmosphere (marine areas or a damp climate);

– seasonal environmental conditions;

– salt scattered on the roadbed to melt ice and snow.

The abrasive action of wind-carried atmospheric dust and sand, mud and stones should not be underestimated.
On your vehicle, MASERATI has adopted the best technological solutions to protect the bodywork from corrosion.
The main measures are:

– Paint products and systems that give the vehicle particular resistance to corrosion and abrasion.

– Use of galvanised (or pre-treated) metal sheets which are highly resistant to corrosion in the most exposed parts.

– Spraying of the underbody, engine compartment, insides of wheel housings, and other structures with wax products having high protective power.

– Spraying of plastic materials, with a protective function, in the most exposed points: underneath the doors, inside part of the mud guards, edges, etc.

– Use of ventilated box sections, coated with protective wax products, to avoid condensation and trapped water which could encourage the formation of internal rust.

Advices for keeping the bodywork in good condition

Paint

The paintwork does not only have an aesthetic function but also serves to protect the metal sheets. In the event of abrasions or deep scratches, we recommend to have the necessary touch-ups made immediately, to avoid any rust formation.
Touch-ups do not feature particular difficulties, even on metallic finishes. For all paint touch-ups, use only original products indicated on the plate applied on the engine 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 symbol 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.
You are recommended not to take the vehicle immediately into an enclosed environment, but leave it in the open air so as to allow the water to evaporate.
Do not wash the vehicle after it has been left in the sun or when the engine lid is hot: the paint gloss could be affected.
External plastic parts must be cleaned with the same procedure followed for the normal washing of the vehicle.
Avoid, as far as possible, parking the vehicle under trees; the resinous substances that very often drop from the trees give the paint a dull appearance and increase the possibility of originating corrosive processes.

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.

WARNING: If the vehicle is washed using high-pressure water jets or cleaners, it is important that the nozzle of the jet be kept at a distance of at least 40 cm (15.8 in) from the bodywork to avoid damaging it.

Windows

To clean the windows use special detergents.
Only use clean cloths so as not to scratch the windows or rendering them less transparent.

WARNING: In order not to damage the electric elements fitted inside the heated rear window, rub gently following the direction of the elements.

WARNING: When cleaning the transparent plastic covers of the headlights, never use aromatic compounds (e.g. petrol) or ketones (e.g. acetone).

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.

Interiors

WARNING: Do not use alcohol, petrol or solvents to clean the instrument panel's transparent dome.

Do not keep aerosol cans in the vehicle. Risk of explosion. Aerosol cans should never be exposed to a temperature above 50 °C (122 °F). The temperature inside the vehicle when exposed to the sun may easily exceed this threshold.

Check at regular intervals that there is no water trapped under the mats (due to drips off shoes, umbrellas etc.) which may cause the metal parts to oxidize.

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 run 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 Service Time Schedule, by the **Maserati Service Network** which has the required specific products.

Parts in premium quality wood

Remove any dirt with a buckskin leather or damp cloth.

If the vehicle is stored for long periods

If the vehicle is going to be laid up 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 idle. Recharge the battery if the load-free voltage is below 12.5 V.
– Check that the parking brake 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 windscreen wiper blades and raise them from the windscreen.
– Cover the vehicle with a long cloth in transpirating fabric (available from the **Maserati Service Network**). Do not use thick plastic sheets, which do not allow the humidity on the vehicle surface to evaporate.
– Inflate the tyres up to a pressure which must be 1 bar (14.5 psi) higher than the normally prescribed one, and check it at regular intervals.

The tyre 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 tyres for pressure and for any damages, cuts or cracks. If this is the case, have them replaced.

– Do not dry-rub the external surface of the vehicle.
– Visually inspect if there are any fluid leaks (oil, brake and clutch fluid, engine coolant etc.).
– Have the engine oil and filter replaced.
– Check the fluid levels in the brake system, as well as the engine coolant level.
– Check the air filter and have them replaced if necessary.
– Check the condition of the engine belts.
– Reconnect the battery after having checked its charge condition and carry out the initialisation 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.

Battery reconnection

– Open the luggage compartment lid with the key;
– connect the battery;
– unlock and lock the doors using the remote control;
– -turn on the Multi Media System and set the date and time following the instructions given in the section "Configuration" in the "Multi Media System" manual.

WARNING: Every time the battery is reconnected, wait at least 30 seconds with the ignition key turned to **MAR** 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 run the set-up procedure for the “Multi Media System”.

WARNING: Every time the battery is reconnected the warning lights (Ⓟ) and (Ⓟ)! flash for about 10 seconds and then go off.

RF remote control: Ministerial homologation

Some countries do not require a specific domestic homologation in the event that the vehicle has already obtained other European homologations.

RF remote control: Ministerial homologation

MASERATI end of life vehicles take back

MASERATI has always been committed to reducing the environmental impact at every stage of the life cycle of our vehicles. Through this commitment it has developed a global policy for the protection of and respect for the environment through constant improvements in the production process and the creation of products of increasing Eco-compatibility.
Under the European Directive "End-of-life Vehicle Directive" (2000/53/EG), MASERATI or its authorised dealers have taken steps to ensure that vehicles that have reached the end of their life can be disposed of with minimum environmental impact.
If you wish to return back your MASERATI end of life vehicle without additional costs (except for those required by local legislations, like the deregistration fee and eventual transport cost until the MASERATI dealer) you may:

– Contact the closest MASERATI dealer, that will then transfer the vehicle to an ATF (ApprovedTreatment Facility), where available, in charge of recycling and disposing of the vehicle in an environmentally friendly way.

Alternatively you may also ask for assistance through:

– Toll-free number:

Italy	800 008 008
Switzerland DEU	0800 837 100
Switzerland FRA	0800 837 200
Switzerland ITA	0800 837 300
Germany	0800 810 8080
Sweden	020 798 000
Norway	800 180 88
Finland	0800 110 808
Austria	0800 281 888
France	0800 908 000
Princ. Monaco	800 93 888
Danmark	808 880 00
Belgium	0800 710 31
Belgium FRA	0800 710 30
Luxemburg	800 280 00
Holland	0800 022 4234
Spain	900 996 945
Portugal	800 839 103
Greece	00800 3912 725 41
Turkey	00800 399 090 538
Great Britain	0800 0 646468
Latvia	0371 7500 100

– E-mail address Contact@maserati.com

Obviously your MASERATI end of life vehicle must meet the following conditions:

– All significant components such as engine, gearbox, chassis, bodywork, catalytic converter, wheels and electronic control units must be present in the vehicle.
– There must be no additional waste in the vehicle.

MASERATI, that is currently working to ensure compliance with the regulation and convenience for its customers, thanks you for supporting this environmental challenge.

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
1 l	=	0.2199 UK gallon	1 UK gallon	=	4.5460 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

Number 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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