

8C *Spider*



OWNER'S MANUAL

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Owner's Manual

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IT IS ESSENTIAL THAT YOU READ THIS MANUAL!



Refuelling

Fuel-powered engines: use only unleaded fuel with an octane rating (RON) of not less than 95.



Starting the Engine

Make sure that the electronic parking brake (EPB) is engaged. Shift the gearshift lever to neutral (N). Insert the electronic key in the ignition block and turn it to **MAR**. Fully depress the brake pedal without pressing the accelerator. Press the **START** button and release it as soon as the engine starts.



Parking on flammable material

During operation, the catalytic muffler develops high temperatures. For this reason, do not park the vehicle on grass, dry leaves, pine needles or other flammable materials: risk of fire!



Respecting the environment

The vehicle is equipped with a system that continuously monitors the emission-related components to help ensure enhanced respect for the environment.



Accessory electrical devices

If you wish to install accessories that require electric power (which may gradually discharge the battery), please contact **an Authorised Service Centre of the Manufacturer's Network**, where the overall electrical absorption of the accessories will be estimated and the vehicle system checked to verify whether it is capable of supporting the required load.



Code Card

Keep it in a safe place, not in the vehicle.



Scheduled Maintenance

Proper maintenance will allow you to preserve the vehicle performance and safety features over time, ensure respect for the environment and low operating costs.



The owner's manual ...

... contains important information, advice and warnings on proper use and safe driving, as well as tips to keep your vehicle in good condition over time. Pay particular attention to the following symbols:

- personal safety
- protection of the environment
- proper vehicle condition.

CONSULTING THE MANUAL

To facilitate reading and fast consultation, the topics have been divided into SECTIONS and CHAPTERS.

The important parts requiring particular attention are easily identifiable in the sections and chapters.



N.B.: EXTREME CAUTION REQUIRED:

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

WARNING: 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
- ABS - ANTI-LOCK BRAKING SYSTEM - Wheel locking prevention system during braking
- ASR - ANTI-SLIP REGULATION - Prevention of slipping during acceleration
- CAN - CONTROLLER AREA NETWORK
- DRL - DAY RUNNING LIGHTS
- EBD - ELECTRONIC BRAKE-FORCE DISTRIBUTION - Electronically-controlled brake distributor
- ECU - ELECTRONIC CONTROL UNIT
- EPB - ELECTRIC PARKING BRAKE
— Automatic parking brake
- ETD - EMERGENCY TENSIONING DEVICE
- FTP - FLASH TO PASS — headlight flashing

- MSP - MOTOR SCHLEPPMOMENT
REGELUNG — Engine braking torque adjustment
- VDC - Vehicle Dynamics Control
- WET - "Low grip" function.

UPDATING

The high quality level of the vehicle is subject to constant improvements. Therefore, there may 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 good preservation 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 by the **Authorised Service Centres of the Manufacturer's Network**, where you will find specialised staff and suitable equipment.

Contact the dedicated Alfa8Care Customer Number for the location of the **Authorised Service Centres of the Manufacturer's Network**.



"Q-SELECT"

The vehicle may come equipped with a mechanical gearbox system with dry double-plate clutch, controlled by an electro-hydraulic system by means of the paddles on the steering wheel.

Although the system can be used in "automatic" mode, "Q-select" should not be considered as an automatic gearbox. Therefore, for correct use, carefully follow the instructions in the relative section of this manual.

AUDIO AND IT SYSTEMS

The vehicle is equipped with the following systems:

- Becker car stereo and CD player with Bluetooth voice controls and MP3 reader.
- Bose HI-FI system with 8 high-performance speakers (optional).
- iPod connection (optional).
- 3D pictogram navigation system with route display (optional).

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

Some components of your **ALFA ROMEO**, are equipped with coloured labels, applied onto or next to them. The symbols shown on these labels are important warnings that the user must follow when using the component involved.

Below is a summary of all the symbols used on the labelling of your **ALFA ROMEO**. The component to which the symbol draws your attention is shown next to the symbol.

In addition, the meaning of the symbol shown is also indicated according to the following sub-division: danger, prohibition, warning, mandatory - with respect to that same symbol.

DANGER SYMBOLS



Battery

Corrosive liquid.



Battery

Explosion.



Fan

It can start up automatically even with the engine off.



Expansion tank

Do not remove the cap when the coolant is hot.



Coil

High voltage.



Belts and pulleys

Moving elements; Keep body parts and clothing away.



Air-conditioning lines

Do not open. Gas under high pressure.

SYMBOLS OF PROHIBITIONS



Battery

Do not approach with open flames.



Battery

Keep children at a safe distance.



Heat guards - belts - pulleys - fans

Do not touch with your hands.



Engine compartment ECU protection cover

Do not direct the jet of water on the ECUs, relays and fuses.

WARNING SYMBOLS



Catalytic muffler

Do not park the vehicle over flammable materials. Refer to section: "Air Quality devices".



Hydraulic steering

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



Braking system

Do not exceed the maximum level of fluid in the tank. Only use fluid of the type recommended in the section "Capacities and technical specifications".



Windscreen wiper

Only use fluid of the type recommended in the section "Capacities and technical specifications".



Engine

Only use the lubricant recommended in the section "Capacities and Technical specifications".



Vehicle using unleaded fuel

Only use unleaded fuel with an octane number (R.O.N.) of no less than 95.



Expansion tank

Only use fluid of the type recommended in the section "Capacities and technical specifications".

SYMBOLS INDICATING MANDATORY MEASURES



Battery

Protect your eyes.

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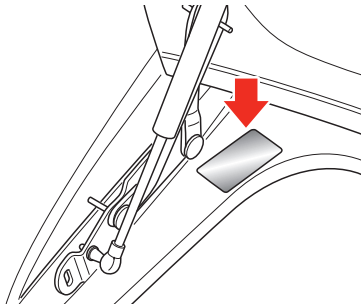
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EEC IDENTIFICATION DATA LABEL

The label is applied on the ledge of the luggage compartment lid and bears the following data:

- A** - Space for national homologation details
- B** - Space for punching the progressive chassis number

- C** - Space for indications on the maximum weights permitted as per national legislation
- D** - Space for model version and any additional indications
- E** - Space for punching the manufacturer's name.

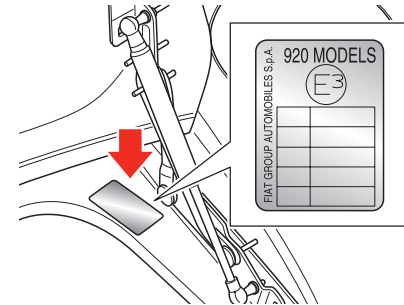


	E		
	A		
	B		
	C		Kg
	C		Kg
	C		Kg
1-	C		Kg
2-	C		Kg
MOTORE-ENGINE	D		
VERSION	D		
N° PER RICAMBI N° FOR SPARES	D		

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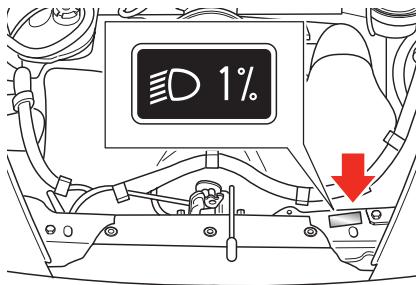
ECE LABEL

The label is applied on the ledge of the luggage compartment lid.



LOW-BEAM HOMOLOGATION LABEL

The label is applied on the front cross member.



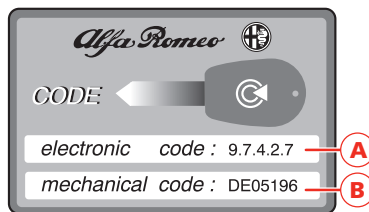
ELECTRONIC KEY

CODE CARD

The car keys are provided with a CODE card, which contains an electronic code **A**, and a mechanical code **B**.

The codes must be kept in a safe place, not in the vehicle.

WARNING: In the event of a vehicle ownership transfer, it is essential that the new owner is provided with the electronic key and with the CODE card.



ALFA ROMEO CODE SYSTEM

This is an electronic engine immobilizer system which provides enhanced protection against theft. It is automatically activated when the electronic key is extracted from the ignition block.

Each electronic key contains an electronic device that translates the signal emitted upon ignition by an antenna incorporated in the seat of the electronic key on the dashboard. This signal is the "password" (always different for each ignition) with which the ECU recognises the electronic key and allows the engine to be started.

OPERATION

Each time the ignition key is removed from position **STOP** the protection system activates the engine immobilizer.

Upon starting the engine, when the key is turned to **MAR**:

- 1) If the code is recognised, the CODE  warning light on the instrument panel turns off in one second, while the EOBD  warning light turns off after about four seconds, after the ECU has completed its diagnostic cycle. The protection system has recognised the key code and deactivates the engine immobilizer. Press the **START** button and at the same time depress the brake pedal to start the engine.
- 2) If the CODE  warning light remains on and the EOBD  warning light goes off after four seconds (ECU diagnostics) and illuminates again immediately afterwards, the code has not been recognised and the message "Electronic key not recognised" is displayed. In this case, it is advisable to turn the key back to position **STOP** and then back to **MAR**; if the immobilizer stays on, try with the other keys.

If you are still unable to restart the engine, you will have to run an emergency start procedure and contact an **Authorised Service Centre of the Manufacturer's Network**.

While driving, with the ignition key in position **MAR**:

- 1) If the CODE  warning light illuminates, it means that the system is performing a self-diagnostic cycle. At the first stop you can test the system: stop the engine by turning the ignition key to position **STOP** and then turn the key back to position. **MAR**: the CODE  warning light will illuminate and should turn off in one second. If the warning light remains on, repeat the procedure described previously leaving the key at **STOP** for more than 30 seconds. If the problem persists, please contact an **Authorised Service Centre of the Manufacturer's Network**.
- 2) If the CODE  warning light flashes, it means that the vehicle is not protected by the immobilizer device. Immediately contact an **Authorised Service Centre of the**

Manufacturer's Network to have all the keys stored in the system memory.

WARNING: Strong impacts 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.

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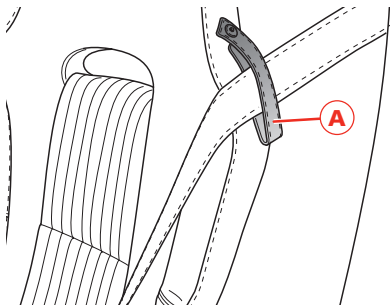
SEAT BELTS

The vehicle is equipped with seat belts with three anchorage points and automatic retractor for optimal freedom of movement.

The seat belts are equipped with electronically-controlled load limiting devices and pretensioners.



CAUTION
Before fastening the seat belts make sure they are correctly fitted into the guide A on the seat.

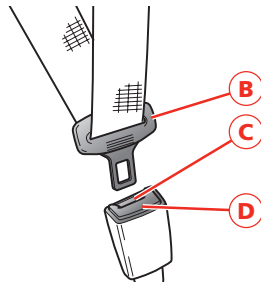


FASTENING THE SEAT BELTS

Extract the lower section of the seat belt from the outer side of the seat and secure it by holding the latch **B** and pull the seat belt out until the latch is fully inserted in the buckle **C**.

The seat belt is correctly buckled when the lock clicks in place. Press the button **D** to release the seat belts.

If one or both of the front seat belts are not fastened or improperly fastened, the warning light  on the instrument panel comes on. For the passenger's seat belt this warning light is accompanied by a specific message only if a passenger is seated on the front seat. When the warning light is on, an acoustic signal is also



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activated as soon as the vehicle speed exceeds 20 Km/h.

When the warning light is on, an acoustic signal is also activated as soon as the vehicle speed exceeds 20 Km/h.

The retractor locking device is activated whenever the seat belt is pulled out too rapidly or in case of sudden braking or collision.

If the seat belt locks due to too rapid extraction, allow it to retract a short distance to disengage the locking device.

The retractor allows the seat 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 seat belt back into the retractor by hand to avoid twisting and snagging.

LOAD LIMITING DEVICES

To enhance passive safety, the front seat belt retractors are equipped with load limiting devices which control the seat belt reeling out so as to adjust the force exerted on the shoulders while the seat belt is in restraining mode.

PRETENSIONERS

To further enhance the seat belt efficiency, the vehicle seat belts are equipped with ETD (Emergency Tensioning Device) pretensioners.

These devices “detect”, by means of a sensor, that a severe collision is occurring and retract the seat belts by a few centimetres. This way, they help ensure that the seat belt properly adheres to the occupant’s body before its restraining action starts.

The seat belt locking indicates that the device has activated; a small amount of smoke may be visible.

This smoke is not toxic and is not indicative of fire.

The pretensioners activate in the following cases:

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

The pretensioner only activates when the seat belt is fastened.

After a 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. Do not tamper with or modify the pretensioner, as this will affect its efficiency. If exceptional natural events (floods, heavy storms, etc.) have caused the device to be wet in water and mud, you must replace it.

To help ensure optimal protection from the pretensioners, wear the seat belt in such a way that it fits snugly against your chest and pelvis.



CAUTION

The pretensioners can be used only once and activate only when the seat belts are fastened. If the pretensioners have been activated, go to an Authorised Service Centre of the Manufacturer’s Network to have them replaced and disposed of. 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.



CAUTION

Do not tamper with the pretensioner components. Any intervention must be carried out only by qualified and authorised personnel. Always contact an Authorised Service Centre of the Manufacturer’s Network.

WARNING: Operations on the vehicle which involve blows, vibrations or localised heating (over 100 °C for 6 hours max.) in the area of the pretensioners may damage or activate them: vibrations due to uneven road surfaces or small obstacles, such as impacts with kerbs, do not affect the units. Contact an **Authorised Service Centre of the Manufacturer’s Network** if service operations must be carried out.

GENERAL WARNINGS REGARDING THE USE OF THE SEAT BELTS



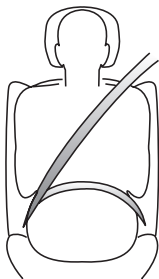
CAUTION

It is mandatory for the driver and passengers to properly use the restraint systems of the vehicle.



CAUTION

To help ensure optimal protection, you are advised to keep the seatback in the most upright position and the seat belt close to your chest and pelvis. If the seat belt is loose, in the event of an accident you would move too far forward and could be

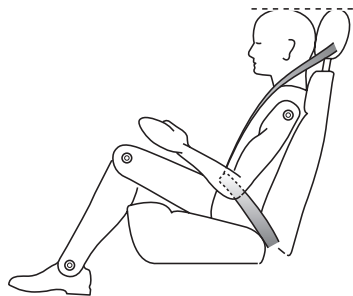


injured. Travelling with the seatback too far reclined could be dangerous: even if the seat belts are fastened, they may not work correctly. The seat belt itself may not be close enough to your body and, if it is in front of you, it could cause neck wounds or other injuries in an accident. What is more, in an accident, the lower section of the seat belt could press against the upper part of your stomach rather than the pelvic area, causing serious internal injuries.



CAUTION

Always fasten the seat belts. Travelling without the seat belts



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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 occupants being thrown against the parts of the passenger compartment or out of the vehicle. The airbags are designed to work in combination with the seat belts, not to substitute them. The front airbags only activate in the event of head-on collisions of medium or high severity. They will not be activated if the vehicle rolls over, or in the event of rear or low severity head-on collisions.



CAUTION

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

**CAUTION**

It is extremely dangerous to travel with the seat 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 seat belt presses against your ribs, it could cause serious internal injuries.

**CAUTION**

The seat belt itself must not be twisted; make sure that it is snugly fitted to the occupants' bodies. In the event of an accident, the restraining force would not be distributed evenly across the seat belt and would consequently cause injuries. The upper portion of the seat belt must pass over the shoulder and diagonally across the chest. The lower portion must adhere to your pelvis, not the stomach, to avoid that you slide forward in the event of a collision.

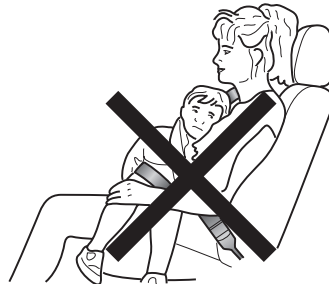
Do not use devices (clamps, fasteners etc.) to hold the seat belts away from the passengers' bodies.

**CAUTION**

Never carry children on a passenger's lap using a seat belt to protect both of them.

**CAUTION**

If the seat belt has undergone strong mechanical stress, for example during a collision, it must be completely replaced together with its anchorages, the anchor point screws and the pretensioner.



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Even if there are no visible defects, the seat belt could have lost some of its resistance.

**CAUTION**

Pregnant women must carefully observe applicable local legislation regarding the use of the seat belts. Always make sure that the lower portion of the seat belt fits well down on the hips, below the abdominal region of the body.

How to keep seat belts efficient

- 1) Always use the seat belts with the belt completely flat, not twisted; Make sure the seat belt can move freely and is not obstructed by anything.
- 2) The seat belts must be replaced following every pretensioner activation and whenever the belt itself shows visible damages or abrasions.
- 3) Wash the seat belts by hand using water and neutral soap, rinse them and let them dry in the shade. Do not use strong detergents, bleaches or colorants and any other chemical substance that could weaken the fibres.
- 4) Make sure the belt winders do not get wet: they will operate properly only if they do not undergo water infiltration.

SAFE TRANSPORT OF CHILDREN

For optimal protection in the event of a collision, all occupants must be seated and wearing appropriate restraint systems. This applies also to children.

This is mandatory according to Directive 2003/20/EC in all the member states of the European Union.

Children's heads are proportionally heavier and larger than those of adults, while their bones and muscles are relatively undeveloped. For this reason, restraint systems different from adult seat belts must be used.

The results of research conducted on the best child protection are summarised in the European Regulation ECE-R44 which, in addition to making restraint systems mandatory, divides them into five groups:

Group 0 - weights up to 10 kg

Group 0+ - weights up to 13 kg

Group 1 9-18 kg weight

Group 2 15-25 kg weight

Group 3 22-36 kg weight

For the purposes of restraint systems, children taller than 1.50 m and heavier than 36 kg are considered equivalent to adults and must wear the standard seat belts normally.

WARNING: Given the particular shape of the vehicle seats, only one type of child seat can be used and is available at the **Authorised Service Centres of the Manufacturer's Network**.

**CAUTION**

If the passenger airbag system is active, do not sit a child in a rearward-facing child seat on the front vehicle seat. The airbag activation in the event of a collision may cause fatal injury to the child, regardless of the collision severity.

**CAUTION****SERIOUS DANGER**

If you need to carry a child in a rearward-facing child seat on the front passenger seat, you must deactivate the front passenger airbag using the key switch. Check that the airbag has been deactivated by checking that the words "PASSENGER AIR BAG OFF" are permanently illuminated on the roof panel (see the chapter "Passenger airbag manual deactivation switch"). In addition, move the passenger seat as far back as possible in order to prevent the child seat from touching the dashboard.

GROUPS 0 AND 0+

Children weighing up to 13 kg must be transported in a rearward-facing booster baby seat, which provides head support and thereby avoids neck strain in the case of sudden decelerations.

The rocker is secured by the vehicle seat belts as shown in the figure, and must restrain the child with its own safety harness.



GROUP 1

Children weighing between 9 and 18 kg may travel in a forward-facing child seat equipped with a front cushion, by means of which the vehicle seat belt secures both the child seat and the child.

**CAUTION**

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

**CAUTION**

Child seats suitable for the weight groups 0 and 1 with rear fastening and their own safety harness are available on the market. Due to their weight, they may be hazardous if incorrectly fitted (e.g. if secured using the vehicle seat belts with a cushion in between). Follow the instructions provided with the product.

GROUP 2

Children weighing between 15 and 25 kg may be restrained directly with the vehicle seat belts. 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.



GROUP 3

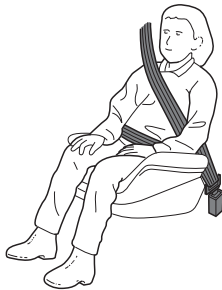
Children weighing between 22 and 36 kg have a chest circumference such that the extra seat cushion is not necessary. The illustration shows how the child should be positioned on the rear seat.

Children taller than 1.50 m can use the seat belts like adults.



CAUTION

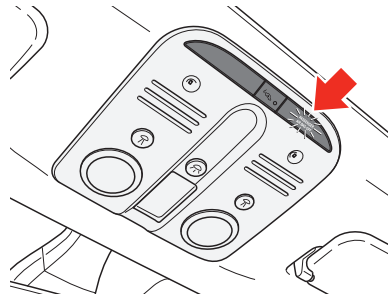
Figures are purely illustrative. Secure the child seat according to the instructions provided with the product.



Below are the main safety rules to follow when transporting children:

- If you deactivate the front passenger airbag, always check that the words "PASSENGER AIR BAG OFF" are permanently illuminated on the roof panel.
- strictly follow the instructions provided with the child seat. Keep the instructions in the vehicle together with the documents and this manual. Only use the child seat specifically designed for this vehicle, included in the Alfa Romeo accessory line and available at the **Authorised Service Centres of the Manufacturer's Network.**

- always pull on the seat belt to check that it has locked in place;
- all restraint systems must be used by a single passenger only; never carry two children in the same seat;
- always check that the seat belts are not resting against the child's neck;
- do not allow the child to sit improperly or unfasten the seat belt /child seat safety harness while travelling;
- do not carry children in your arms, even new born children. Nobody would be able to hold onto a child in the event of a collision;
- in the event of an accident, replace the child seat with a new one.



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**CAUTION**

If the passenger airbag system is active, do not sit a child in a rearward-facing child seat on the front vehicle seat. The airbag activation in the event of a collision may cause fatal injury to the child, regardless of the collision severity.

FRONT AIRBAGS

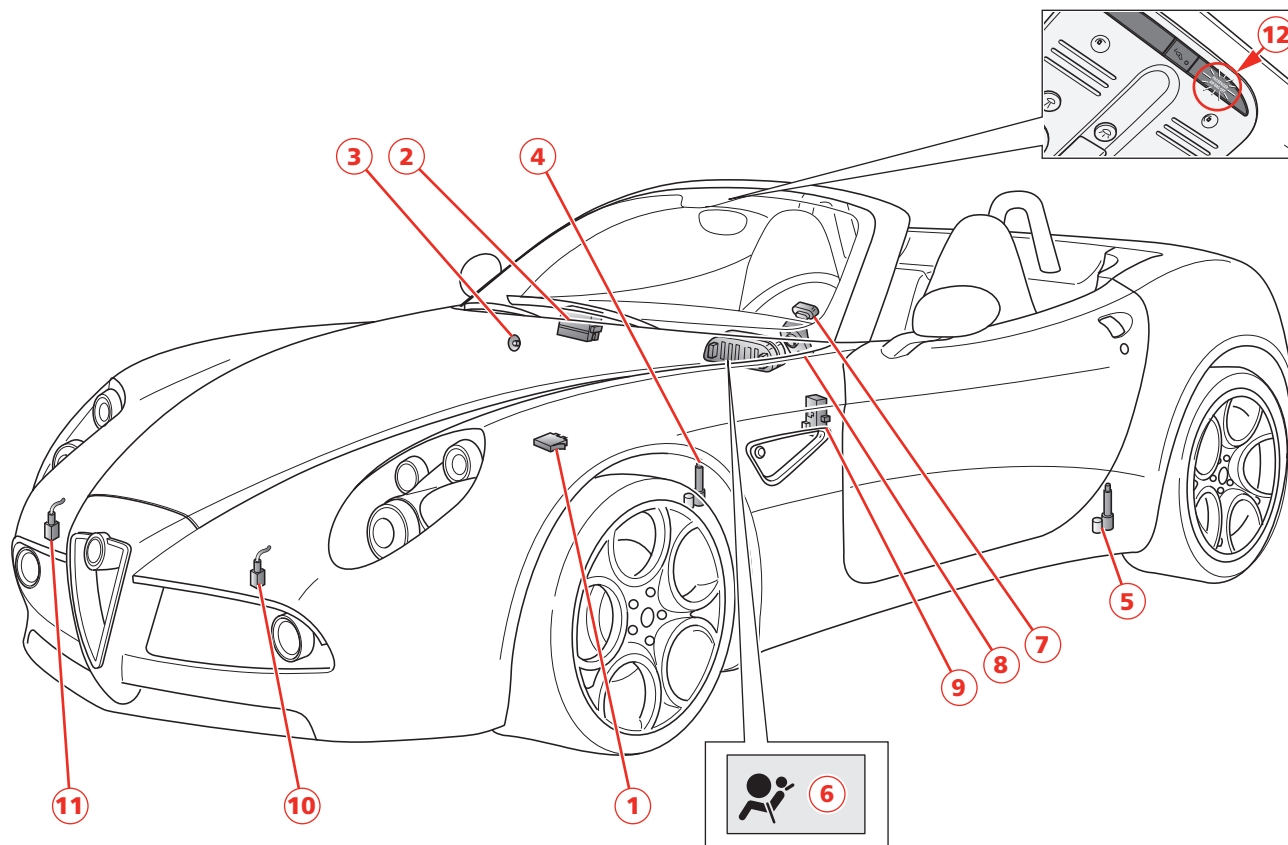
The vehicle is equipped with 2 airbags (2 front ones) and electronically controlled pretensioners for all of the seat belts.

The system components are the following:

- 1) Electronic control unit
- 2) Dual-stage front passenger's airbag
- 3) Passenger's airbag deactivation switch
- 4) Passenger's front seat belt pretensioner
- 5) Driver's front seat belt pretensioner

- 6) Airbag system failure warning light
- 7) Dual-stage front driver's airbag
- 8) Clock Spring
- 9) Diagnostic socket
- 10) Left-hand front Crash Zone Sensor
- 11) Right-hand front Crash Zone Sensor
- 12) Passenger's airbag OFF warning light

The vehicle is equipped with multistage front airbags for the driver and the passenger.



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"SMART BAG" SYSTEM (MULTISTAGE 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 bag 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 (full size airbag) 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 and activates, when necessary, airbag deployment.

The airbag inflates almost instantaneously and positions itself between the front passengers and potentially harmful structures of the vehicle. The airbags deflate immediately afterwards.

Both are dual-stage airbags, therefore, their deployment depends on the impact severity. In low-severity collisions, the airbag inflates less than in high-severity collisions.



CAUTION
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. This reduces the protection offered by the airbag. The front airbags (driver's and passenger's, with passenger seated) are not a substitute for the seat belts but work 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.



CAUTION
Never remove the steering wheel. If necessary, have this operation performed at an Authorised Service Centre of the Manufacturer's Network.

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.

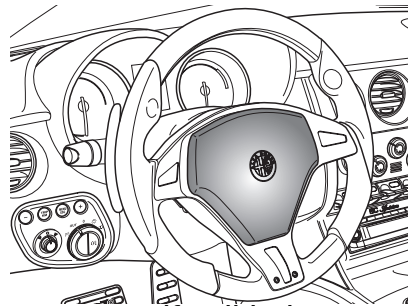
Therefore, an airbag failure to activate in these cases is not indicative of a system malfunction.

**CAUTION**

Do not apply stickers or other objects on the steering wheel or on the passenger-side airbag housing. Do not place any items on the passenger-side dashboard (e.g. mobile phones) since they might hinder proper opening of the passenger airbag and consequently cause injury to the occupants.

DRIVER'S FRONT AIRBAG

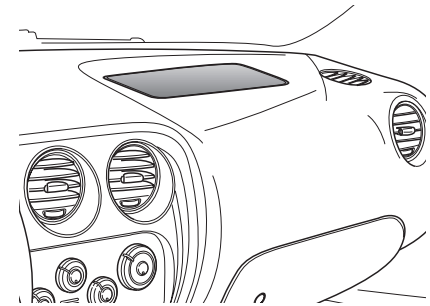
It consists of an instantly inflatable cushion housed in a dedicated space in the centre of the steering wheel.



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PASSENGER'S FRONT AIRBAG

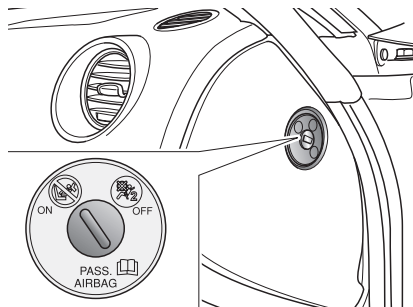
The passenger's airbag has been designed and calibrated to enhance the protection level provided to a person wearing the seat belt. Therefore, when fully deployed, it fills the largest part of the space between the passenger and the dashboard.



PASSENGER'S AIRBAG MANUAL DEACTIVATION SWITCH

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.

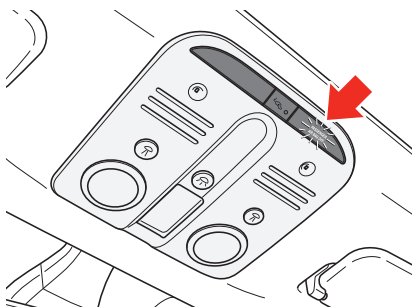
Vehicles manufactured for the US, Canadian, Japanese and Australian markets are not equipped with this device.



The key switch has two positions:

- 1) passenger's airbag on: (key in ON position)  the words PASSENGER AIR BAG OFF do not illuminate on the roof panel; carrying children on the front passenger seat on rearward facing child seats is strictly prohibited.
- 2) passenger's airbag off: (key in OFF position)  the words PASSENGER AIR BAG OFF illuminate on the roof panel; children may travel in the front passenger seat if they are suitably protected by specific rearward-facing restraint systems.

The words "PASSENGER AIR BAG OFF" remain permanently illuminated until the passenger airbag is reactivated.



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With open door the key can be fitted in or removed in both positions.



CAUTION

When the passenger side airbag is deactivated, because a person considered by the laws in force 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.

WARNING: Only deactivate the airbag when a person at risk is being carried, and always reactivate it at the end of the journey.

WARNING: The airbag system has a service life of 14 years. When this expiry date is approaching, contact an **Authorised Service Centre of the Manufacturer's Network**.

**CAUTION**

In the event of a collision with consequent airbag deployment, contact an Authorised Service Centre of the Manufacturer's Network for replacement of the entire safety system, electronic control unit, seat belts, pretensioners, and to have the vehicle electrical system checked.

**CAUTION**

All the inspections, repair and replacement operations on the airbags must be performed by an Authorised Service Centre of the Manufacturer's Network.

WARNING: To scrap the vehicle, please contact an Authorised Service Centre of the Manufacturer's Network to have the system deactivated.

WARNING: If the vehicle is sold, the new owners must be provided with the above described instructions for use and warnings, and they must also be provided with the "Owner's Manual".

GENERAL WARNINGS**CAUTION**

When the ignition key is turned to the MAR position, the warning light  illuminates, but it must turn off after approx. 5 seconds. If the warning light does not illuminate, if it remains lit or illuminates while driving, immediately contact an Authorised Service Centre of the Manufacturer's Network.

**CAUTION**

Turning the ignition key to the MAR position (with the front passenger airbag deactivation switch in ON position), the words PASSENGER AIR BAG OFF illuminated on the roof panel for about 4 seconds, then blink for the next 4 seconds - to remind you that the passenger airbag will activate in the event of a collision - after which they will turn off.

 **CAUTION** Always drive keeping your hands on the steering wheel so that, in the case of activation, the airbag can deploy without encountering obstacles which may cause serious injuries. Do not drive leaning forward, but keep your seat back upright to support your back.

 **CAUTION** 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 from the steering wheel and the dashboard.

 **CAUTION** Do not travel with objects in your lap, in front of your chest or holding a pipe, pencil or other object in your mouth. In the event of a collision with airbag deployment, these objects may cause serious injuries.

 **CAUTION** Note that with the ignition key inserted and turned to MAR, even with the engine off, the airbags may activate even if the vehicle is stationary, if it is run into by another vehicle. On the other hand, the airbags will not activate in the event of a 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 system malfunction.

 **CAUTION** If the vehicle has been subject to theft or attempted theft, vandalism or flooding, have the airbag system checked at an Authorised Service Centre of the Manufacturer's Network.

 **CAUTION** If improper operations are carried out on the electrical system, the airbag could be activated, thereby causing injuries to anyone in the vicinity.

 **CAUTION** The airbags do not replace the seat belts but provide supplementary protection. Moreover, in the event of head-on collisions at low speed, side impacts, rear collisions or overturning, the passengers are protected only by the seat belts, which must always be fastened.

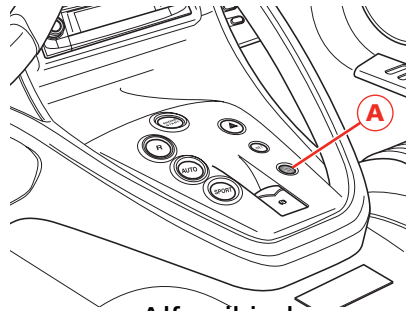
VDC SYSTEM

The vehicle is equipped with the anti-yawing control system **VDC** (Vehicle Dynamics Control) which incorporates all the control systems: ABS, EBD, ASR and MSR. This system is equipped with a model that predicts the vehicle behaviour with great accuracy. The system is capable of detecting whether 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 yawing moment.

ACTIVATION

The **VDC** and **ASR** systems are integrated in one single function and are automatically activated every time the engine is started; they can be deactivated by pressing the button **A** for about 1 second. Press the button **A** again to reactivate the systems.

The amber colour warning light  on the instrument panel flashes during all the operating phases.



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FAILURE SIGNALS

In the event of a malfunction, the system is automatically disabled and cannot be reactivated. This condition is signalled while driving by the amber warning light  on the instrument panel that illuminates together with the message "VDC failure - Go to workshop".

When the engine is started, the system malfunction is indicated by the illumination of the warning light .

WARNING: In the event of a malfunction and with the **VDC** deactivated, the vehicle behaves as if it were not equipped with this system: however, we recommend that you contact an **Authorised Service Centre of the Manufacturer's Network** to have the system checked.

WARNING: If you have to tow the vehicle with 2 wheels raised, ensure that the ignition key is in the STOP position. Otherwise, with VDC activated, the relative control unit will store a malfunction, resulting in the illumination of the warning lights (⚠) on the instrument panel and on the display: this requires the intervention of an **Authorised Service Centre of the Manufacturer's Network** to correct the system malfunction.

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

WARNING: Driving on parabolic curves will deactivate the system.

ASR SYSTEM (ELECTRONIC ANTI-SKID DEVICE)

The ASR system avoids driving wheels skidding during acceleration through the engine control unit (spark advance delay, engine throttle opening reduction and fuel injection cut) and the rear brakes.

The action of the ASR system enhances vehicle stability and improves active safety while driving, specially under the following conditions:

- inside wheel skidding when cornering due to dynamic load variations or excessive acceleration;
- excessive power transmitted to the wheels, also in relation to the road surface conditions;

- acceleration on slippery, snow-covered or icy roads;
- grip loss on wet road surface (aquaplaning).

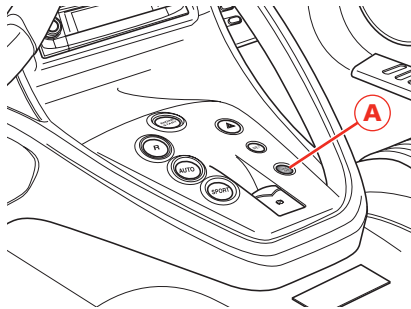
In normal conditions (SPORT mode off), the ASR system increases stability in low and medium grip conditions, while with SPORT mode active the system favours traction, thereby optimising vehicle performance on dry asphalt.

ACTIVATION

The VDC and ASR systems are integrated in one single function and are automatically activated every time the engine is started; they can be deactivated by pressing the button **A** for about 1 second.

Press the button **A** once again to reactivate the systems.

The amber colour warning light  on the instrument panel flashes during all the operating phases.



FAULT INDICATORS

In the event of a malfunction, the system is automatically disabled and cannot be reactivated. This condition is signalled while driving by the amber symbol  on the display that illuminates together with the message "ASR failure - Go to workshop".

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 (e.g., snow, ice etc.): in these conditions, the high braking torque of the engine may cause instability of the vehicle.

The system, using the same sensors as the ABS system, detects the skidding of one or both of the driving wheels when the accelerator is released and opens the motor-driven throttle for the engine fuel system. This reduces the braking torque and resets the maximum grip conditions for the driving wheels.

WARNING: However, the maximum deceleration that can be obtained with the engine brake still depends on the tyre grip on the road. Snow or ice obviously reduce grip values.

ABS AND EBD SYSTEMS

The vehicle is equipped with ABS (Anti-lock Brake System) and EBD (Electronic Brake force Distribution) system which enhances braking power through the ABS system sensors and control unit.

In the event of an emergency stop or braking on slippery surfaces (e.g., snow, ice etc.) the ABS, together with the standard braking system, is designed to allow the driver to apply maximum braking force without causing the wheels to lock and consequently losing control of the vehicle.

The system is based on an electronic control unit that processes the signals coming from 4 sensors fitted on the 4 wheels.

When a wheel tends to lock, the sensor warns the control unit, which informs the electro-hydraulic unit so that it controls the pressure exerted on the brake calipers; the driver feels a "pulsating" sensation on the brake pedal which is completely normal.

In the event of a failure, the system will be deactivated, but this will not affect the efficiency

of the standard braking system.

The failure is signalled by the amber warning light (ABS) on the instrument panel and the display which illuminates together with the message "ABS failure - Go to workshop".

In this case, we recommend that you contact the nearest **Service Centre of the Manufacturer's Network** in order to identify the fault as soon as possible, by means of the system self-diagnostic function.



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



CAUTION
Regardless of the fact that this device makes a considerable contribution to safety it is still essential to drive with the greatest care when the road surface is wet, covered with snow or ice.



CAUTION
The vehicle is equipped with Electronic Brake force Distribution (EBD). The warning light (!) illuminates when the engine is running to indicate an EBD system malfunction. In this case, sharp braking can cause early locking of the rear wheels and possible side skidding. Driving extremely carefully, immediately go to the nearest Service Centre of the Manufacturer's Network to have the system checked.

**CAUTION**

The warning light (ABS) usually comes on with running engine to indicate a fault in the ABS system only. 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 to avoid abrupt braking and go the nearest Service Centre of the Manufacturer's Network to have the system checked-

**CAUTION**

If the low brake fluid warning light (!) illuminates while driving, stop the vehicle and check the brake fluid level immediately. If the level is below the minimum notch, top up with the recommended oil and immediately contact an Authorised Service Centre of the Manufacturer's Network to have the system checked. Brake fluid leaks impair the operation of the braking systems, both of the

traditional type and of those equipped with ABS.

**CAUTION**

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 traffic.

**CAUTION**

The maximum obtainable deceleration always depends on the tyre grip on the road surface. With snow or ice the grip is obviously reduced and the braking distance is very high, even with the ABS system.

**CAUTION**

If you frequently drive in high-performance conditions, periodically have the efficiency of the carboceramic braking system checked at the Authorised Service Centres of the Manufacturer's Network.

FUEL CUT-OUT INERTIA SWITCH

The vehicle is equipped with a safety switch which activates 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. Move the seat fully back to access it.



CAUTION

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

When the inertia switch is activated, all the doors and the luggage compartment lid unlock and the dome lights and the four direction indicators are turned on.

RESETTING THE SWITCH

Turn the ignition key to position **STOP**.

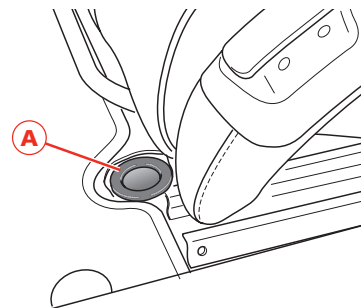
Check that there is no leakage from the fuel system.

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 position **MAR**, wait a few seconds and press the **START** button.

Check that the warning light  on the display is off.

Check once again that there are no fuel leaks.



VEHICLE IDENTIFICATION DATA

ACTIVE AND PASSIVE SAFETY

INSTRUMENTS AND CONTROLS

BEFORE YOU DRIVE

USING THE VEHICLE

IN AN EMERGENCY

CAPACITIES AND TECHNICAL SPECIFICATIONS

MAINTENANCE

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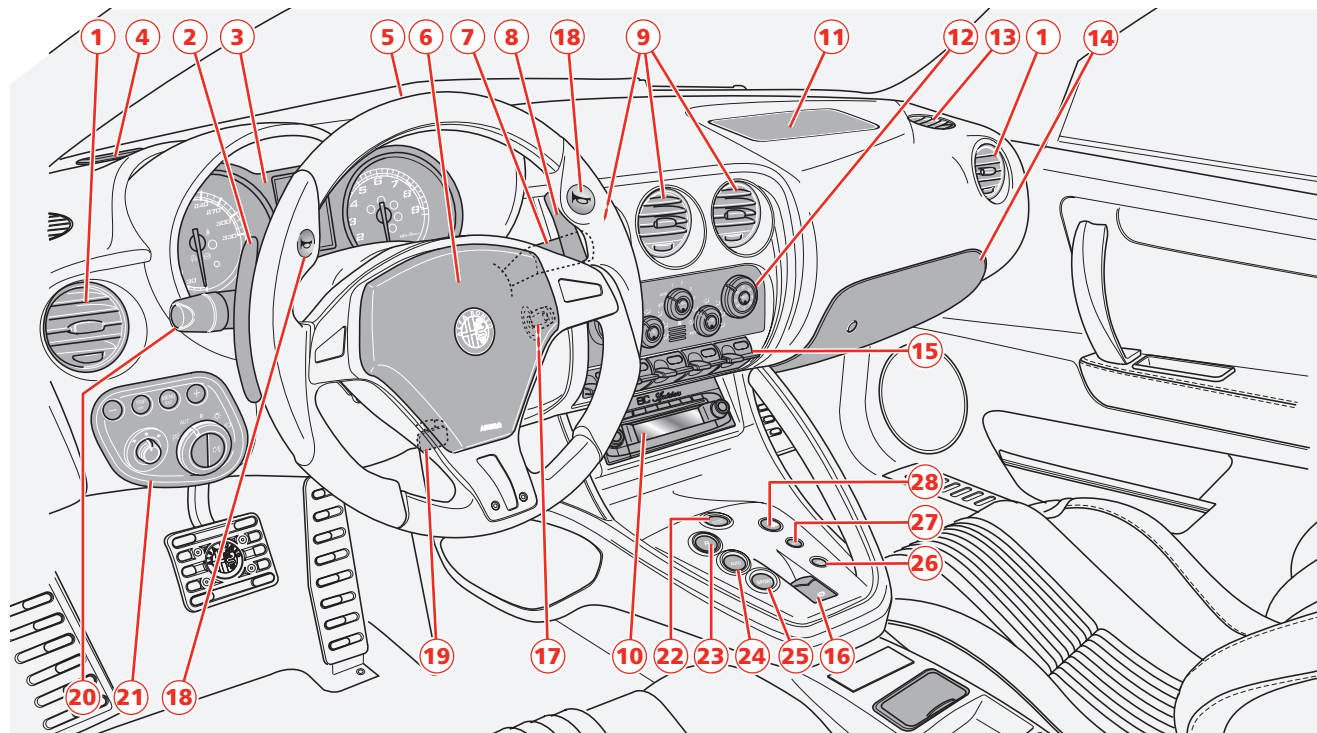


INSTRUMENTS AND CONTROLS

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DASHBOARD

3



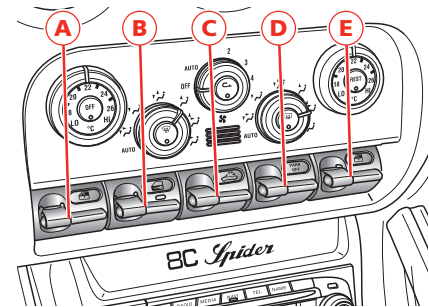
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- 1) Air conditioning side vents
- 2) Lower gearshift paddle "DOWN"
- 3) Instrument panel
- 4) Air conditioning upper vent
- 5) Sun radiation sensor
- 6) Driver's airbag
- 7) Windscreen/headlight wiper/washer control lever
- 8) Upper gearshift paddle UP
- 9) Central air conditioning/heating vents
- 10) Radio/navigator
- 11) Passenger's airbag
- 12) Air conditioning and heating system controls
- 13) Side windows vents
- 14) Glove compartment
- 15) Central dashboard controls
- 16) Electric parking brake engagement/disengagement lever
- 17) Starter/steering wheel lock switch
- 18) Horn control
- 19) Steering wheel height and depth adjustment lever
- 20) Cruise Control lever, direction indicators

- 21) Controls to the left of the steering wheel
- 22) Engine start button
- 23) Reverse gear engagement button
- 24) AUTO mode button
- 25) SPORT mode button
- 26) VDC deactivation button
- 27) WET mode button
- 28) Hazard light button

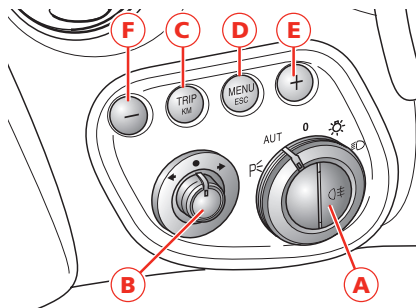
Ref. 15 Central dashboard controls

- A) Front left-hand power window control
- B) Central locking control
- C) Soft top opening/closing button
- D) PARK OFF function button (see page 149)
- E) Front right-hand power window control



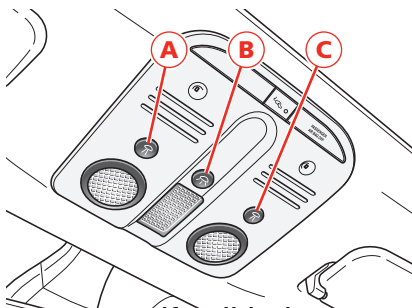
Ref. 21 Controls to the left of the steering wheel

- A) Headlight switch
- B) External rear-view mirror controls
- C) TRIP button, see page 58
- D) MENU button, see page 47
- E) Instrument panel brightness control button (up)
- F) Instrument panel brightness control button (down)



Controls on front dome light panel

- A) LH side light switch
- B) Central light switch
- C) RH side light switch

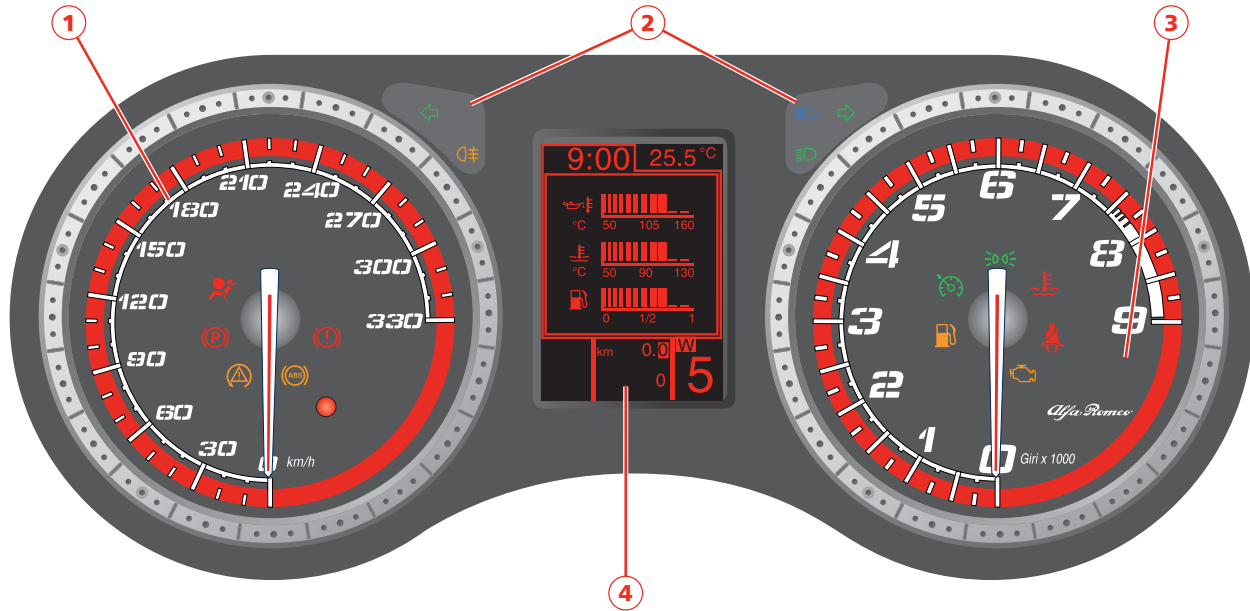


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INSTRUMENT PANEL

- 1) Speedometer
- 2) Warning lights

- 3) Rev. Counter
- 4) Reconfigurable multifunction display



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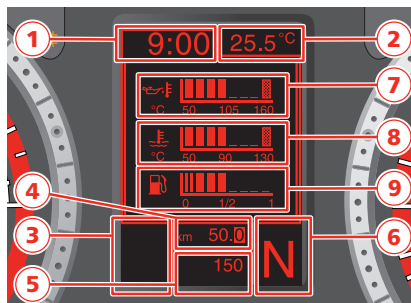
RECONFIGURABLE MULTIFUNCTION DISPLAY

The "reconfigurable multifunction display" shows useful information while driving, in particular:

INFORMATION SHOWN ON THE STANDARD PAGE

- 1) Time
- 2) Outside temperature
- 3) Failure/information symbol
- 4) Trip odometer
- 5) Total odometer
- 6) Q-Select gearbox status
- 7) Engine oil temperature
- 8) Coolant temperature
- 9) Fuel level gauge

The central area of the display indicating the engine oil and coolant temperatures and the fuel level remains active until another function is activated or other information on the vehicle status needs to be displayed.

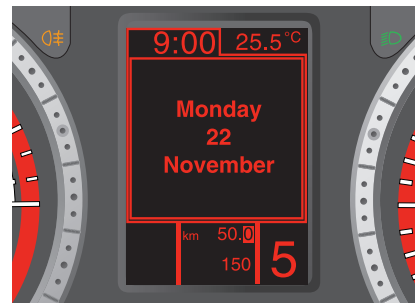


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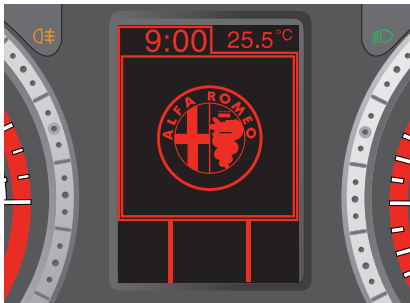
With the key turned to **MAR** the following information is immediately displayed for 2 seconds:

- Clock
- Outside air temperature
- Date
- Total odometer
- Trip odometer
- Q-Select gearbox status.

After two seconds the display will automatically return to the standard page.



When the key is extracted (and at least one of the front doors is opened) the display will light up for a few seconds, showing the Alfa Romeo logo, the time, the total odometer and the outside temperature.



CONTROL BUTTONS

MENU

Button pressed briefly:

- when the vehicle is stationary, it activates the "complete" Setup menu
- when the vehicle is moving, it activates the "reduced" Setup menu
- confirms the selected function
- confirms the setting/change and returns to the main menu page (to the same item before the button was pressed)
- if the TRIP page is displayed, it returns to the main page.

Button pressed at length:

- saves the changes confirmed and returns to the standard page (or the page that was active before the MENU button was pressed).

TRIP

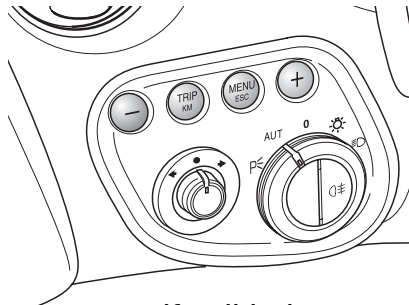
Button pressed briefly:

- activates Trip A and B pages in succession

+/-

Button pressed briefly:

- selects the functions in the Setup menu
- sets/adjusts the functions in the Setup menu.



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SETUP MENU

The Setup menu allows you to adjust/ set the functions as described on the following pages by pressing the **MENU** button +/-.

Press the **MENU** button briefly to access the Setup menu.

The menu contains a series of functions arranged in "circular" manner.

For safety reasons, when the vehicle is moving only the reduced menu can be accessed ("Speed limit" setting).

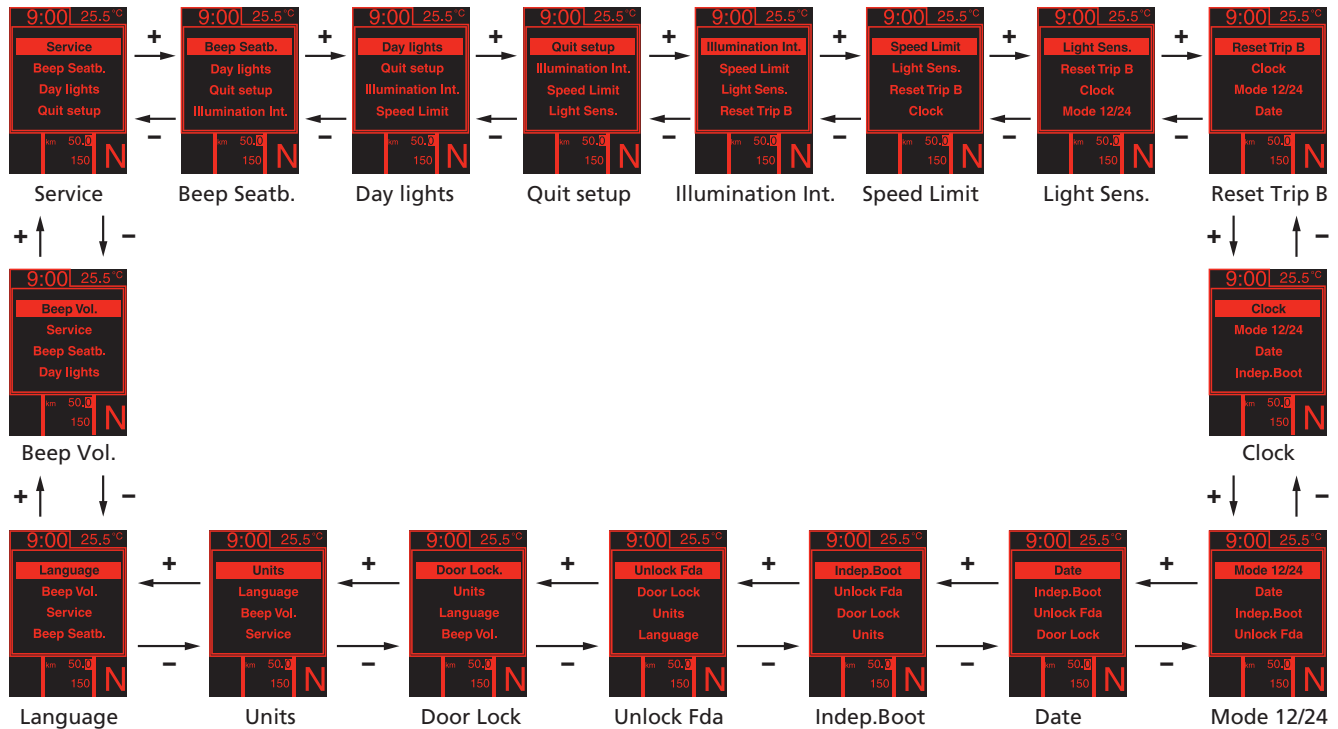
When the vehicle is stationary, the full menu can be accessed.

How to select an item from the main menu without submenu:

- briefly press the **MENU** button to select the setting in the main menu you wish to change
- press the buttons + o – once to select the new setting
- briefly press the **MENU** button to save the setting and simultaneously return to the same item you selected previously.

How to select an item from the main menu with submenu:

- briefly press the **MENU** button to view the first item in the submenu
- press the + o – buttons once to scroll through all the items in the submenu
- briefly press the **MENU** button to select the item in the submenu displayed and access the relative setting menu
- press the + o – buttons once to select the new setting for this item in the submenu;
- briefly press the **MENU** button to save the setting and simultaneously return to the same item you selected previously.



Brightness adjustment

This function allows you to adjust the brightness of the instrument panel to 8 levels.

To adjust, proceed as follows:

- briefly press the **MENU** button: the display highlights the level previously set.
- press button + 0 — to adjust;
- press the **MENU** button briefly to return to the menu page or hold it down to return to the standard page.

Speed limit

This function allows you to set the vehicle speed limit (km/h or mph). When this limit is exceeded, you are warned with an acoustic and visual warning and a message appears on the display (see the section "Warning lights and messages").

To set the speed limit proceed as follows:

- briefly press the **MENU** button: the message **OFF** is displayed ;
- Press the + button: the message **ON**; is displayed briefly press the **MENU** button then press the buttons +/— to set the desired speed (the value flashes during setting).
- press the **MENU** button briefly to return to the main page or hold it down to return to the standard page.

WARNING: The value can be set between 30 and 250 km/h (or 20 and 150 mph) depending on the unit of measure previously set (see the chapter "Unit of measure" below). When the +/— button is pressed once, the speed is increased/decreased by 5 units. Holding the +/— button down, the value automatically increases/decreases continuously until you release the button. When you are close to the desired value, release the button and then press it briefly a few times until you reach the desired value.

To cancel the setting:

- briefly press the **MENU** button: the message **ON** is displayed;
- press button —: the message **OFF** is displayed;
- press the **MENU** button briefly to return to the menu page or hold it down to return to the standard screen page.

Adjusting the sensing range of the twilight sensor (Automatic low-beam)

This function allows you to adjust the sensing range of the twilight sensor to 3 levels.

To adjust, proceed as follows:

- briefly press the **MENU** button: the display highlights the sensing range level previously set
- press button + 0 — to adjust;
- press the **MENU** button briefly to return to the menu page or hold it down to return to the standard screen page.

Trip B reset mode (Reset TRIP B)

This function allows you to select Trip B reset mode (automatic or manual).

For further information see the chapter “TRIP button”.

Clock adjustment (Clock)

This function allows you to adjust the clock.

To adjust the time proceed as follows:

- briefly press the **MENU** button: the display highlights the “hours”
- press button + 0 — to adjust;
- briefly press the **MENU** button: the display highlights the “minutes”
- press button + 0 — to adjust;

WARNING: When the button is pressed once +/— the value increases/decreases by 1 unit. Holding the +/— button down, the value automatically increases/decreases continuously until you release the button. When you are close to the desired value, release the button and then press it briefly a few times until you reach the desired value.

- press the **MENU** button briefly to return to the main page or hold it down to return to the standard page.

Clock mode (12/24 mode)

This function allows you to set the time display mode in 12h or 24h format.

To set the clock proceed as follows:

- briefly press the **MENU** button: the display highlights 12h or 24h (depending on the format previously set);
- press button + 0 – to select;
- press the **MENU** button briefly to return to the main page or hold it down to return to the standard page.

Date adjustment (Date)

This function allows you to adjust the date (year - month - day).

To adjust the date proceed as follows:

- briefly press the **MENU** button: the “year” flashes on the display
- press button + 0 – to adjust;
- briefly press the **MENU** button: the “month” flashes on the display
- press button + 0 – to adjust;
- briefly press the **MENU** button: the “day” flashes on the display
- press button + 0 – to adjust;

WARNING: When the button is pressed once +/– the value increases/decreases by 1 unit. Holding the +/– button down +/–the value automatically increases/decreases continuously until you release the button. When you are close to the desired value, release the button and then press it briefly a few times until you reach the desired value.

- press the **MENU** button briefly to return to the main page or hold it down to return to the standard page.

Luggage compartment lid unlocking independent of door opening (independent luggage compartment)

This function allows you to unlock the luggage compartment lid independently of the doors.

When this function is enabled, the luggage compartment lid can be unlocked by pressing the button  on the electronic key (see the chapter "Luggage compartment lid" in Section 4).

To open/close the luggage compartment lid independently (**ON**) or in combination with (**OFF**) door locking, proceed as follows:

- briefly press the **MENU** button: the message **ON** or **OFF** is displayed (depending on the mode previously set);
- Press the + or — button to select;
- press the **MENU** button briefly to return to the menu page or hold it down to return to the standard screen page.

Driver's door unlocking (Unlock. driver's door)

This function allows you to unlock only the driver's door by pressing the button  on the electronic key.

When this function is active (**ON**) the other doors can still be unlocked by pressing the door unlocking button on the centre console.

To activate/deactivate (**ON/OFF**) this function, proceed as follows:

- briefly press the **MENU** button: the message **ON** or **OFF** is displayed (depending on the mode previously set);
- press button + o — to select;
- press the **MENU** button briefly to return to the menu page or hold it down to return to the standard screen page.

Automatic central door locking when the vehicle is moving (Door locking)

When activated (**ON**), this function allows the doors to lock automatically when a speed of 20 km/h is exceeded.

To activate/deactivate (**ON/OFF**) this function, proceed as follows:

- briefly press the **MENU** button: the message **ON** or **OFF** is displayed (depending on the mode previously set);
- press button + o — to select;
- press the **MENU** button briefly to return to the menu page or hold it down to return to the standard screen page.

The LED on the button  will illuminate to indicate that this function has been activated.

WARNING: If the vehicle is tested on the roller test bench without any operator on board, check in the vehicle Setup menu that the automatic door locking function is disabled or that a window is open, or that there is a second key available outside the vehicle.

Unit of Measure (Unit of Measure)

This function allows you to set the unit of measure for the mileage (km or mi), fuel consumption (l/100 km, km/l or mpg) and temperature (°C or °F).

Distance

To set the desired unit of measure, proceed as follows:

- briefly press the **MENU** button: the display highlights "km" or "mi" (depending on what was previously set);
- press button + **or** - to select;
- press the **MENU** button briefly to return to the menu page or hold it down to return to the standard screen page.

Fuel consumption

If the unit of measure for the mileage is set to "km" (see previous chapter), you can set the unit of measure for fuel consumption (l/100 km, km/l or mpg).

If the unit of measure for the mileage is set to "mi" (see previous chapter), the display will show the fuel consumption in "mpg".

In this case, the "Fuel consumption Unit of Measure" option in the Setup menu can be selected but is fixed on the indication in "mpg". To set the desired unit of measure, proceed as follows:

- briefly press the **MENU** button: the display highlights "km/l" or "l/100 km" (depending on the unit was previously set);
- press button + **o** - to select;
- press the **MENU** button briefly to return to the menu page or hold it down to return to the standard screen page.

Temperature

This function allows you to set the unit of measure for the temperature (°C or °F).

To set the desired unit of measure, proceed as follows:

- briefly press the **MENU** button: the display highlights °C or °F (depending on the unit was previously set);
- press button + 0 — to select;
- press the **MENU** button briefly to return to the menu page or hold it down to return to the standard screen page.

Language selection (Language)

You can select one of the following languages for the messages shown on the display: Italian, English, German, Portuguese, Spanish, French, Dutch and Brazilian.

To set the desired language, proceed as follows:

- press the **MENU** button briefly, the display highlights the “language” previously set;
- press button + 0 — to select;
- press the **MENU** button briefly to return to the main page or hold it down to return to the standard page.

Failure/warning buzzer volume (Beep Vol.)

This function allows adjusting (to 8 levels) the volume of the buzzer that sounds together with display of the failure/warning.

To set the desired volume, proceed as follows:

- press the **MENU** button briefly, the display highlights the volume “level” previously set;
- press button + 0 — to adjust;
- press the **MENU** button briefly to return to the main page or hold it down to return to the standard page.

Scheduled maintenance (Service)

This function allows you to view when service is due according to the mileage done.

To view this information, proceed as follows:

- briefly press the **MENU** button: the display shows when service is due in kilometres or miles depending on the unit that was previously set (see the chapter "Unit of measure");
- press the **MENU** button briefly to return to the menu page or hold it down to return to the standard screen page.

WARNING: According to the Scheduled Maintenance Plan, the vehicle must be serviced every 10,000 km (or 6,000 mi). This information is automatically displayed when the electronic key is inserted in the ignition block, starting from 2,000 km (or 1,200 mi) following the service due date. The information will be displayed in kilometres or miles depending on the unit of measure set. When approaching the scheduled maintenance ("Service") due date, inserting the electronic key in the ignition block, a message will appear on the display followed by the kilometres/miles left until the service due date. Contact an **Authorised Service Centre of the Manufacturer's Network** where the staff will perform the service operations according to the Scheduled Maintenance or Annual Inspection Plan and reset the mileage counter (Reset).

Buzzer reactivation for SBR (Seat Belt Reminder) signalling (Seat belt beep)(where provided)

This function is displayed only after the system has been deactivated by an **Authorised Service Centre of the Manufacturer's Network**.

Automatic activation of the Day Running Lights (where provided)

If this function is active, when the low-beams go off, the DRLs come on, and vice versa, when the low-beams come on the DRLs go off.

Exit menu

Select this item to return to the standard screen page.

TRIP COMPUTER

General

When the electronic key is inserted in the ignition block, the "Trip computer" allows you to view the vehicle mileage features. This function comprises the "Trip A" function which monitors total mileage, and the "Trip B" function which monitors trip mileage; the latter function is "contained" in the total mileage function.

Both functions can be reset (reset when setting off on a new trip).

Trip A and B allow you to view the following values:

- Fuel range
- Distance travelled
- Average fuel consumption
- Instantaneous fuel consumption
- Average speed
- Travel time

Values displayed

Fuel range

It indicates the distance you can still travel with the fuel left in the tank, assuming you continue travelling at the same speed.

A specific message will be shown on the display "----" when the following events occur:

- when the fuel range is less than 50 km (or 30 mi)
- if the vehicle is stopped with the engine running for more than 3 minutes.

Distance travelled

It indicates the distance travelled from the beginning of a new trip.

Every time the battery is connected and at the beginning of each new trip (reset) the display indicates the value "0.0".

WARNING: If there is no information, all the Trip Computer indicators will show "-" instead of the value. When correct operation is resumed, the counter resumes regular operation as well, without resetting the values displayed prior to the malfunction nor restarting the count from zero as for a new trip.

Average fuel consumption

This is the average fuel consumption from the beginning of a new trip.

Instantaneous fuel consumption

This is the actual fuel consumption which is constantly updated. If the vehicle is stopped with the engine running, the display will show the information "----".

Average speed

This is the average vehicle speed in relation to the total time that has elapsed from the beginning of a new trip.

Travel time

This is the time that has elapsed from the beginning of a new trip (trip time)

New trip

A new trip begins after:

- the user has manually reset the indicator by holding down the button **TRIP**;
- an "automatic" reset when the "distance travelled" reaches 9999.9 km (or mi), when the "travelling time" reaches 99.59 (99 hours and 59 minutes) or after disconnection and reconnection of the battery.

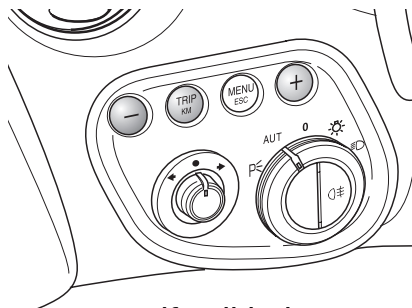
This function is active only for TRIP B.

TRIP BUTTON

The **TRIP** button, located on the button panel to the left of the steering wheel, allows you to access the Trip A and Trip B functions when the key is turned to **MAR**. To scroll the values displayed for each function, use the buttons "+" and "-".

The **TRIP** button also allows you to reset the Trip A and Trip B functions when setting off on a new trip:

- **button pressed briefly**: to display the various values;
- **button pressed at length**: to reset when setting off on a new trip.



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To go from one item to the next of the **Trip Computer** briefly press buttons "+" and "-"

Each page of the Trip Computer displays two items for the current trip (Trip A or Trip B) at the same time. These items are displayed at the top and bottom of the display, respectively.

The same item cannot be viewed at the top and bottom of the display at the same time on the same page.



The two modes of the Trip Computer can be selected by briefly pressing the **TRIP** button; Using the button "+" you can scroll the item shown at the top of the display, while the button "-" allows you to scroll the items displayed at the bottom.

To go from the Trip A to the Trip B information, briefly press the **TRIP** button.

Procedure when setting off on a trip (reset)

Trip A and Trip B must be reset separately.

Reset Trip A

To reset Trip A, turn the key to **MAR** and press and hold down the **TRIP** button for more than 2 seconds.

WARNING: The counter will automatically be reset only in the following cases:

- when the "distance travelled" reaches 9999.9 km or when the "travelling time" reaches 99.59 (99 hours and 59 minutes)
- Every time the battery is disconnected and reconnected. When the trip is reset, a warning message appears on the display.

WARNING: When Trip A is reset, the "fuel range" and "instantaneous consumption" values are not reset.

Reset Trip B

For the Trip B values, through the Setup menu you can select whether you wish to perform a manual or an automatic reset procedure (see the chapter "Setup menu" above):

- **Manual reset:** to manually reset Trip B, press and hold down the **TRIP** button for more than 2 seconds.
- **Automatic reset:** this occurs each time the electronic key is inserted in the ignition block.

When Trip B is reset, a warning message appears on the display.

WARNING: When Trip B is reset, the "fuel range" and "instantaneous fuel consumption" values are not reset.

WARNING LIGHTS AND MESSAGES

GENERAL WARNINGS

The failure warnings shown on the display are divided into two categories: critical and serious failures.

All the failure warnings are accompanied by the illumination of the relative warning light on the instrument panel (where provided) and by specific warning messages (if needed).

In some cases, the failure warnings may also be accompanied by an acoustic warning (the volume is adjustable). These are synthetic and precautionary warnings and suggest the prompt action you need to take when a malfunction occurs. These warnings should however not be considered exhaustive and/or an alternative to the instructions given in this Owner's manual, which must always be read carefully and thoroughly.

Whatever the failure warning, always refer to this section.

Critical failures

These are shown on the display for an indefinite time and interrupt any other information displayed at that moment. Every time the key is turned to **MAR** the warnings will reappear until the malfunction that caused the failure is corrected. This "cycle" can be interrupted by pressing the **MENU** button: In this case, the symbol referring to the malfunction will remain displayed at the bottom left of the display until the malfunction that caused the failure is corrected.

Serious failures

These are shown on the display for about 20 seconds and then disappear, but reappear every time the key is turned to **MAR**. When the 20 seconds have elapsed, or when the **MENU** button is pressed, the symbol referring to the malfunction will remain displayed at the bottom left of the display until the malfunction that caused the failure is corrected.

INDICATORS AND WARNING LIGHTS



Rear fog lights

When the rear fog lights are turned on.



Position lights / low beams

Illuminates when the position lights or low beams are activated.



High beams

When the high beams are turned on or used to flash.



Low beams

Illuminates when the low beams are activated.



Low fuel

When this warning light illuminates, it means that there are about 14 litres of fuel left in the tank.



Engine failure control system (EOBD) (*)

In normal conditions, this warning light should illuminate when the ignition key is turned to **MAR** and go 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 illuminates while driving, it indicates that there is a failure in the fuel supply/ignition and emission control system. This failure could cause high exhaust emissions, loss of performance, poor vehicle handling and high consumption levels.

In these conditions you can proceed slowly without demanding engine performance. Prolonged use of the vehicle when the warning light is on can cause damage. Therefore, as soon as possible contact an **Authorised Service Centre of the Manufacturer's Network**.

The warning light will go out if the problem disappears. The error will be stored in any case.

WARNING: When the ignition key is turned to **MAR**, if the warning light does not illuminate or if it illuminates while driving, immediately contact an **Authorised Service Centre of the Manufacturer's Network**.



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 an **Authorised Service Centre of the Manufacturer's Network**.



Low brake fluid warning light (*)

It illuminates when the brake fluid level goes below the minimum level. The operation of the warning light can be checked by pressing the button on the brake fluid tank cover located in the engine compartment. 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. Driving extremely carefully, immediately go to the nearest **Service Centre of the Manufacturer's Network** to have the system checked.



CAUTION

If the warning light illuminates while driving check the brake fluid level immediately. If fluid level is below the minimum level, there may be a leakage. In this case, contact an Authorised Service Centre of the Manufacturer's Network before continuing on your journey.



Defective ABS system (*)

It illuminates when the ABS system is not functioning. The standard braking system remains active, but we advise you to contact an **Authorised Service Centre of the Manufacturer's Network** as soon as possible.



Seat belts

It illuminates when one or both front seat belts are not fastened or improperly fastened. For the passenger seat belt, the warning light will illuminate only if a passenger is seated on the seat.

When the warning light is on, an acoustic signal is also activated as soon as the vehicle speed exceeds 20 Km/h.



Airbag/pretensioner failure (*)

It indicates that the pretensioner and/or airbag system is defective.



CAUTION

Turning the key to MAR the warning light illuminates but it should turn off after a few seconds with the engine running.



CAUTION

If, upon ignition, the warning light does not illuminate or illuminates permanently, or if it illuminates while driving, immediately stop and contact an Authorised Service Centre of the Manufacturer's Network.



Parking brake engaged

The warning light illuminates when the parking brake is engaged.



VDC system failure

It indicates a malfunction or the deactivation of the VDC system.

When flashing, it indicates that the VDC or ASR system have activated.



Right-hand direction indicators

It illuminates when the right-hand direction indicators or the hazard lights are turned on.



Left-hand direction indicators

It illuminates when the left-hand direction indicators or the hazard lights are turned on.



Cruise Control ()*

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

WARNING LIGHTS ON THE DISPLAY



Inertia switch, fuel cut-off enabled

It illuminates when a collision activates the inertia switch, thus cutting off the fuel supply.



CAUTION

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



Windscreen washer fluid

It indicates a low level of washer fluid in the windscreen washer tank.



Alternator failure

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



Lighting system failure

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



Stop light failure

It illuminates in the case of a system failure or if the stop light is blown.



Twilight sensor failure

It illuminates on in the case of a failure of the twilight sensor.



Soft top failure

This warning light comes on if the hydraulic and electric soft top movement systems fail.



Engine oil temperature

It illuminates when the temperature reaches high values. In this case, reduce the engine RPM until the warning light goes out.

(*) Viewed on the display as well



Low oil pressure (*)

In normal conditions, when turning the key to **MAR** the warning light should illuminate, and should go off once the engine has 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 an **Authorised Service Centre of the Manufacturer's Network**.



High catalytic converter temperature

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



CAUTION

The following message is displayed with the warning light illumination: "High catalytic converter temperature": the catalytic converter temperature is too high. The driver must slow down immediately until the warning light turns off.



Catalyst temperature too high



CAUTION

If the message "High catalytic converter temperature" persists after decelerating and the warning light turns red, it means that the temperature in the catalytic converters has reached a dangerous level and the catalytic converters could be damaged. The vehicle reverts to a "security" mode, limiting engine performance. Stop the vehicle and wait until the exhaust system has cooled down.



CAUTION

If the red warning light stays on, stop the vehicle and restart it by turning the key off and then back to on. If the red warning light still stays on, slowly drive to the nearest Authorised Service Centre of the Manufacturer's Network.



CAUTION

Alfa Romeo declines all responsibility for damage to persons or things deriving from failure to observe the above warnings.



Low Q-Select gearbox oil

The red symbol indicates that the gearbox oil is low; stop the vehicle and contact an **Authorised Service Centre of the Manufacturer's Network** to have the vehicle checked.



Q-Select gearbox failure

It indicates a failure of the electronically-controlled gearbox.

If the failure permits, slowly drive to an **Authorised Service Centre of the Manufacturer's Network**.



Parking brake failure

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

- Parking brake failure
- If the message that warns you to go to the nearest **Authorised Service Centre of the Manufacturer's Network** is displayed, drive slowly and remember that the electric parking brake device is not functioning.
- Excessive temperature.
If the vehicle has been stationary (key to **STOP**) for about 15 minutes without using the parking brake, and the warning light comes on again after restarting the engine, slowly drive to the nearest **Authorised Service Centre of the Manufacturer's Network**.
If the brake failure is accompanied by the message "Mechanical release only", the manual emergency deactivation procedure must be performed to release the parking brake (see page 152).
- Parking brake system overhaul
The EPB system requires maintenance, therefore contact an **Authorised Service**

Centre of the Manufacturer's Network to have the system corrected.



ASR system failure

It indicates the deactivation or failure of the ASR system.

In the event of a failure contact an **Authorised Service Centre of the Manufacturer's Network**.



Rain sensor failure

It indicates that the rain sensor is faulty.



Generic gearbox indication

It indicates gearbox information and malfunctions.

The severity of the malfunctions is specified in the accompanying message.



Doors open

It indicates that the doors are open or not properly closed. The accompanying message indicates the door that is not closed.

WARNING: Before setting off, close the open or not properly closed doors.



Engine compartment lid open

It indicates that the engine compartment lid is open or not properly closed.



Luggage compartment lid open

It indicates that the luggage compartment lid is open or not properly closed.

If the luggage compartment is open, the soft top cannot be moved.



Ice hazard

It illuminates when the outside temperature is 3° C or lower, in order to indicate the risk of icy road surfaces. In these conditions, drive carefully and slow down as the grip of the tyres will be strongly reduced. Do not activate "SPORT" mode in this situation.



Vehicle protection systems

It in the following conditions:

- Alarm system not available
- Break-in detected



Brake pads worn

This warning light illuminates when the brake pads have reached the wear limit.

Contact an **Authorised Service Centre of the Manufacturer's Network**.

WARNING: Exclusively use original brake pads run in on the bench in order to ensure original performance of the braking system.

INSTRUMENTS AND GAUGES

TACHOMETER/SPEEDOMETER

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

REV. COUNTER

Indicates the engine RPM. Correct driving allows the driver to exploit the engine performance fully, without the need for overrevving.



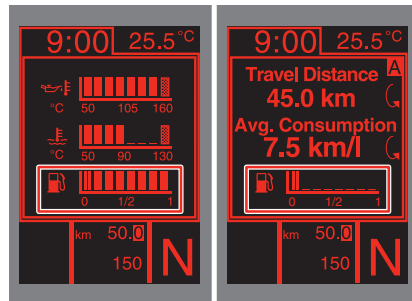
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FUEL GAUGE

The fuel gauge is always displayed when the key is turned to ON and with the display in Normal or Trip mode.

The fuel reserve is indicated by the last of the 8 notches split in two.

- When 8 notches are shown the tank is full
- When two ½ notches are shown the tank is in reserve
- When one ½ notch is shown the tank is in half reserve.



COOLANT THERMOMETER

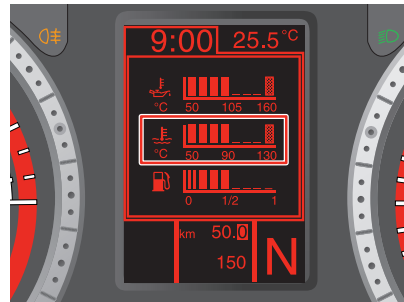
The coolant TMP is displayed when the key is turned to ON and with the display in standard mode. When the display is in TRIP mode, it is no longer shown.

The coolant temperature is displayed by means of a bar graph.

The temperature is indicated with 8 notches corresponding to the temperature values the coolant has reached.

The temperature symbol  is shown next to the 8 notches indicating the following values:

	°C	°F
Beginning of scale	50	120
Average	90	190
End of scale	130	260
Beginning of danger sector	115	239



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ENGINE OIL THERMOMETER

The engine oil temperature is displayed by means of a bar graph.

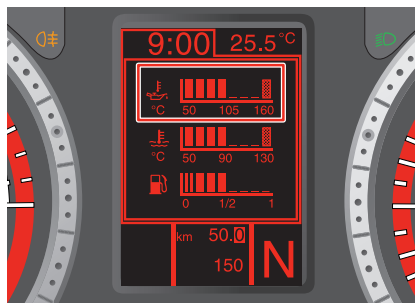
The engine oil temperature is displayed when the key is turned to ON and with the display in standard mode.

When the display is in TRIP mode, it is no longer shown.

The temperature is indicated with 8 notches corresponding to the temperature values the engine oil has reached.

The temperature symbol  is shown next to the 8 notches indicating the following values:

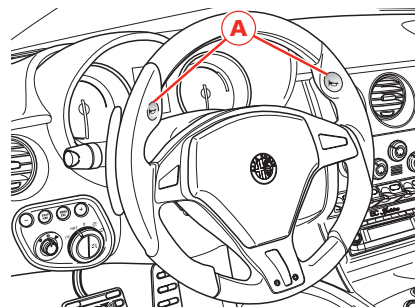
	°C	°F
Beginning of scale	50	120
Average	105	220
End of scale	160	320
Beginning of danger sector	140	284



CONTROLS

Horn

Pressing near the horn symbol **A** will sound the horn.



CONTROLS TO THE LEFT OF THE STEERING WHEEL

Rear fog lights

Press button **B** to turn on the rear fog lights. The lights work only when the low beams are on. The symbol on the button illuminates when the lights are on.



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

Menu

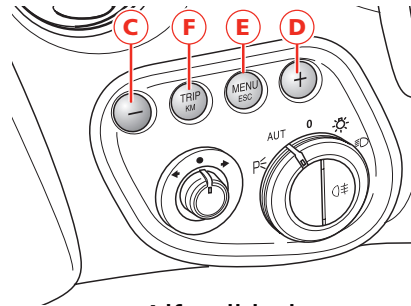
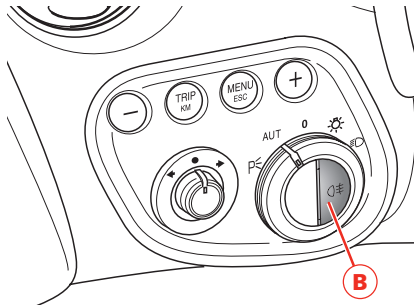
Press button **E** to access the Setup page (see page 48).

Trip

Press button **F** to access the Trip pages (see page 58).

+/-

Pressing the buttons **C** and **D** you can scroll and set the functions in the Setup menu (see page 58).



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CENTRAL DASHBOARD CONTROLS

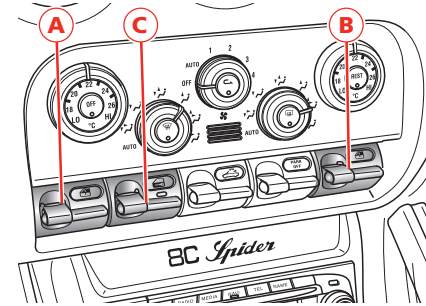
Power window controls

A - Front left-hand window opening/closing.

B - Front right-hand window opening/closing.

Door locking and unlocking

Button **C** controls door locking and unlocking.



Soft top opening/closing

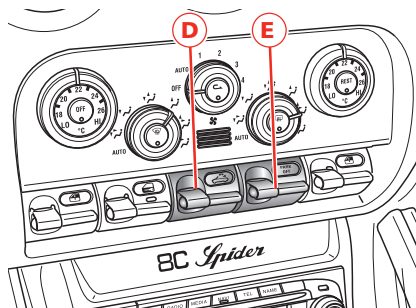
Push the switch **D** down to open the soft top.

Push the switch up to close the soft top.

Operation is inhibited:

- at speeds above 5km/h;
- if the luggage compartment lid is open;
- if both the soft top lever covering flaps have not been removed.

For the correct soft top opening and closing procedure, see the chapter "Soft top" on page 102.



PARK OFF

This function disables the automatic activation of the electric parking brake (EPB) (see page 149). The EPB is deactivated/reactivated by pressing button **E**.

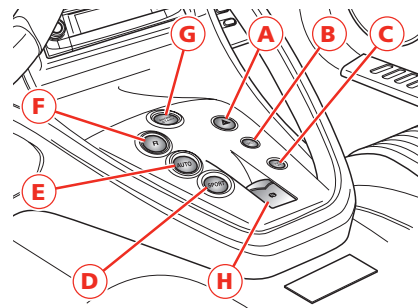
CENTRE CONSOLE CONTROLS

Hazard warning lights

Press button **A** to turn on the hazard lights. These lights will operate with the ignition key in any position. Press the button again to turn them off.

When these lights are on, the direction indicators, the relevant 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.



Low grip

This mode should be used on particularly slippery road surfaces (e.g., rain, snow, ice). To activate/deactivate this mode, press button **B**.

When this function is active, the letter “W” illuminates on the display”.

VDC system

The VDC system is automatically activated when starting the engine.

The system can be turned on or off while driving by pressing button **C**, the following messages will appear: “ASR/VDC deactivated” and “ASR/VDC activated”. To prevent accidental deactivation, you must press the button for about 1 second to deactivate the VDC system.

When the system is deactivated, the amber warning light  on the instrument panel illuminates.

SPORT mode

Use button **D** to select SPORT mode, which is a sport setting for the Q-Select gearbox and traction control.

Please note that selecting SPORT mode will reduce driving comfort during gearshifting.

When this function is active, the letter “S” illuminates on the display”.

“Automatic gearshift” mode (AUTO)

Button **E** activates/deactivates automatic operation of the Q-Select gearbox.

When this mode is activated, the gear displayed is replaced with the letter “D” and gearshifting will be automatic.

Reverse

Button **F** engages reverse gear.

START button

Press button **G**, with the key turned to **MAR** and the brake pedal depressed, to start the engine.

Electric parking brake (EPB)

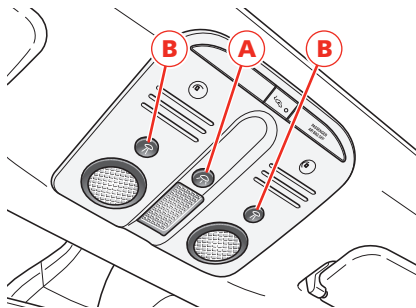
Pull up the lever **EPB H** to engage/disengage the electric parking brake.

INTERNAL EQUIPMENT

FRONT DOME LIGHT

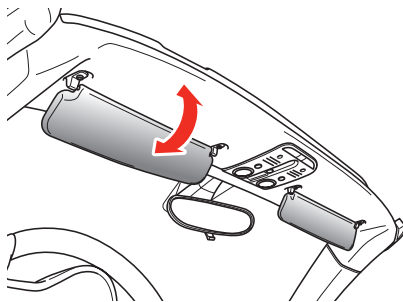
The dome light includes a central light and two reading lights. The central light, which turns on automatically when one of the doors is opened and turns off following the door closing (timed switching off) may be turned on manually by pressing button **A**.

The reading lights are controlled by the relative buttons **B**.



SUN VISORS

They can only be tilted forward.



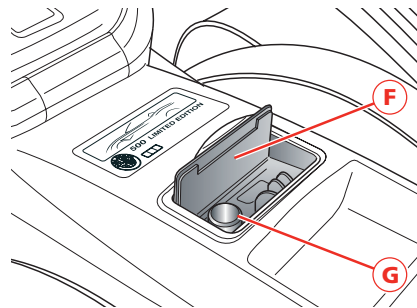
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ASHTRAY AND CIGARETTE LIGHTER

They are found on the centre console, under a cover. Open the cover **F** by lifting it.

Press the button **G** fully down to operate 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 check to ensure that the cigarette lighter has been turned off.



CAUTION

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

GLOVE COMPARTMENT

It is positioned in the lower part of the dashboard on the passenger side and can be opened by pressing the OPEN button **H** for at least half a second; it will be opened when the button is released.

The compartment is lit by a courtesy light when it is opened.

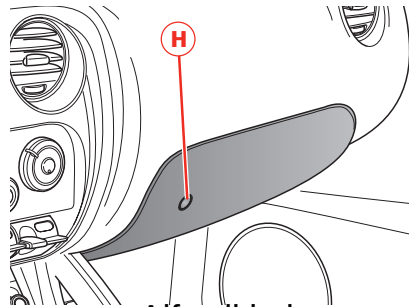


CAUTION

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 in the glove compartment.

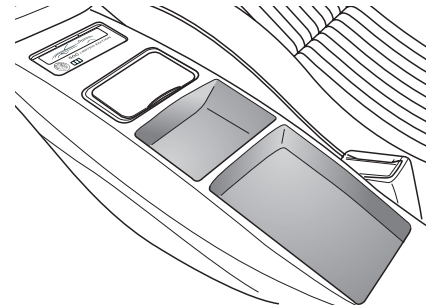


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POCKET-CHANGE COMPARTMENTS

Two pocket-change compartments are found on the centre console.

They are lined with scratchproof and anti-slip rubber.

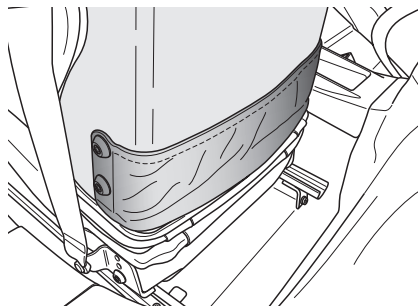


SEAT MAP POCKET

The seatbacks are equipped with a map pocket.

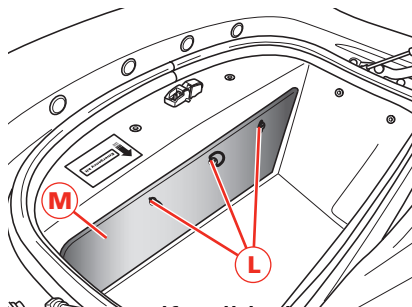
WARNING: Do not place heavy or sharp objects in the seat map pockets.

WARNING: When the seat is moved backward to the end of its travel it is up against the panel behind the seat. We therefore recommend that you do not place valuable items in the pockets, since they might get crushed when the seat is moved back.



STORAGE BOX

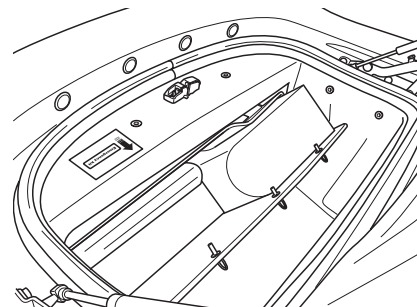
There is a storage box in the luggage compartment, which can be accessed by turning the three unlosable screws **L** anticlockwise and folding back the panel **M**.



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The following items are housed in the storage box:

- Toolkit
- Hazard triangle
- Tyre repair kit
- First-aid kit (provided for vehicles destined for markets where it is obligatory to keep a first-aid kit in the car).



VEHICLE IDENTIFICATION DATA

ACTIVE AND PASSIVE SAFETY

INSTRUMENTS AND CONTROLS

BEFORE YOU DRIVE

USING THE VEHICLE

IN AN EMERGENCY

CAPACITIES AND TECHNICAL SPECIFICATIONS

MAINTENANCE

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DOORS

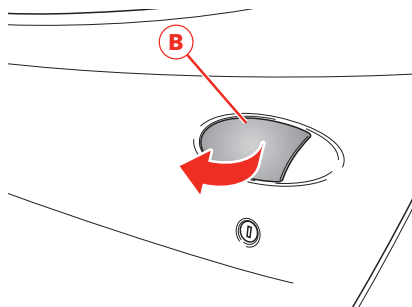
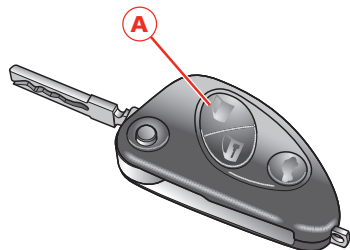


CAUTION

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

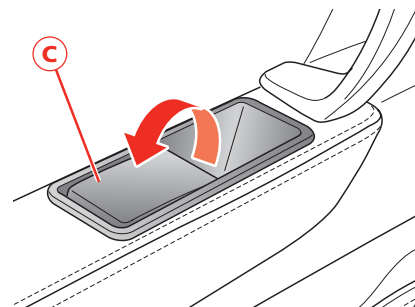
OPENING THE DOORS FROM THE OUTSIDE

Deactivate the alarm and the central locking system using the button **A** on the remote control (see chapter "Electronic alarm system" on page 88) or insert and turn the key in the lock on one of the front doors.



OPENING THE DOORS FROM THE INSIDE

To open the door, even if the lock is engaged, pull the internal handle **C**.



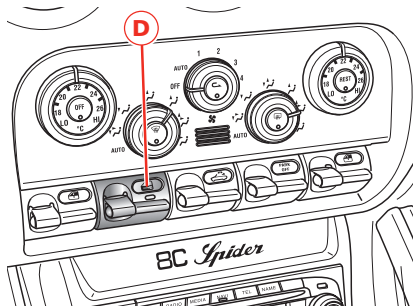
WARNING: The interior door locking/unlocking button is disabled when the doors are locked from the outside.

There is a button on the front central dashboard that activates door locking and unlocking:

D - door locking/unlocking.

OPEN DOOR WARNING LIGHTS

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



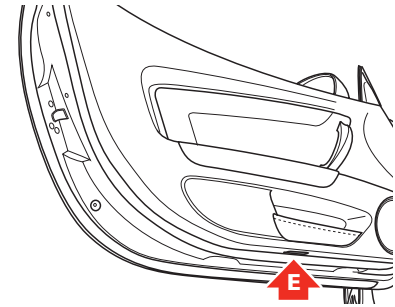
DOOR LOCK ECU INITIALISATION

Every time the battery is reconnected or a fuse replaced, you must perform the system initialisation procedure to ensure proper system operation. To perform this procedure, lock and then unlock the doors using the door remote control.

DOOR COURTESY LIGHT

Each door has a courtesy light **E** fitted on the lower part of the door panel to light up the area where you get into and out of the vehicle.

We suggest that you move the seat fully back before getting out of the vehicle, which also makes it easier to get back in.



POWER WINDOWS

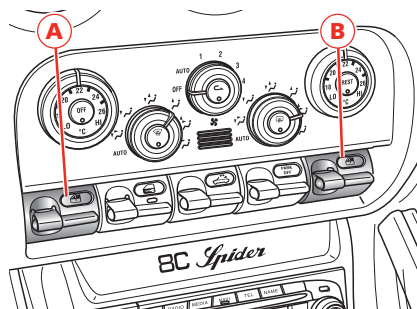
Activation is only possible with the ignition key in the **MAR** position.

The power window controls are positioned on the centre console.

- A** - Front left-hand window opening/closing
- B** - Front right-hand window opening/closing.

Lower the power window with the key turned to **MAR** to activate automatic operation: the window will stop when it reaches the end of its travel (or when the button is pressed again).

A brief pressure causes a small movement of



the window, which stops when the button is released.

When the window is raised, automatic operation is active only for the left-hand window.

WARNING: If the window is operated with the door open, when it reaches the upper limit it will go down for a short distance so as not to interfere with the weather strip when the door is closed.

CAUTION When the door is opened, the window is slightly lowered and then closes automatically after the door is closed: take the greatest care to avoid passengers (especially children) being near the windows when opening/closing the doors.

CAUTION Improper use of the power windows can be dangerous. Check that passengers are away from the side windows before shutting them. Always remove the ignition key when you get out of the vehicle, in order to avoid that accidental activation of the power windows may be dangerous for passengers remaining in the vehicle.

CAUTION Leaving children in a parked vehicle with the windows closed is dangerous: the temperature inside the vehicle can reach very high levels, causing fainting and serious injuries.

WARNING: Before disconnecting the battery, lower the side windows by at least 4-5 cm to avoid damaging the weather strips when opening and closing the doors. When the battery is connected and fully charged, this operation is done automatically whenever the doors are opened or closed. The windows must remain open until the charged battery is reconnected.

If the battery has discharged with the windows fully closed, open the door only if necessary and with the greatest care; do not close it again until it the windows can be lowered.

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

WARNING: During the soft top opening and closing cycles, the windows cannot be operated.

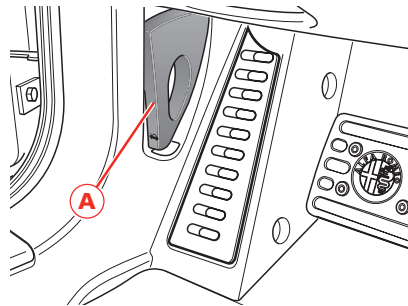
ENGINE COMPARTMENT LID

To unlock the engine compartment lid, pull the lever **A** found in the lower, left-hand side of the dashboard.

Release the safety device by moving the lever **B** as shown in the figure.

Lift the engine compartment lid: this operation is facilitated by two gas struts.

The engine compartment lid positions itself at the maximum opening position and does not require support stays.



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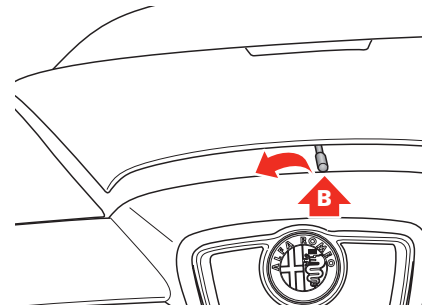


CAUTION
To close the lid: lower it to about 20 cm from the engine compartment and let it drop: it will close automatically.

In doing this, always be extremely careful to prevent your hands from being crushed.



CAUTION
Always check that the engine compartment lid is properly shut so that it cannot open while driving.



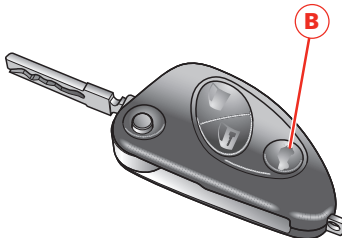
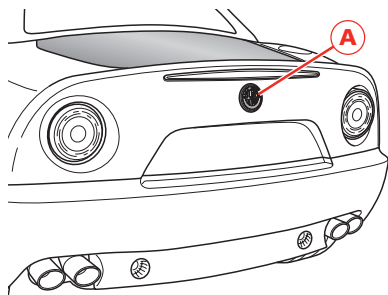
LUGGAGE COMPARTMENT LID

The luggage compartment lid can be opened from the outside by pressing the Alfa Romeo shield **A** (with lock released) or by pressing the button **B** on the ignition key for at least 2 seconds.

For more details on the lock release logic, see the chapter "Luggage compartment lid release independent of door opening (independent luggage compartment)" on page 53.

To prevent unintentional any unintentional operation, the luggage compartment lid can only

be opened when the vehicle is stationary. During the soft top opening and closing cycles the luggage compartment lid cannot be opened. Raising the lid is facilitated by the action of the gas struts. The struts are calibrated to help ensure proper operation with the weights specified by the manufacturer. Any additions of objects (e.g. spoilers, trunk racks, etc.) can jeopardize proper operation and safety of the luggage compartment lid.

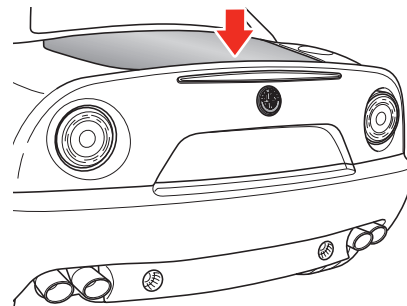


WARNING: To close the luggage compartment lid, hold and lower it with your hands, until it rests on the bodywork. Then push it shut by pressing near the lock.



CAUTION

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.

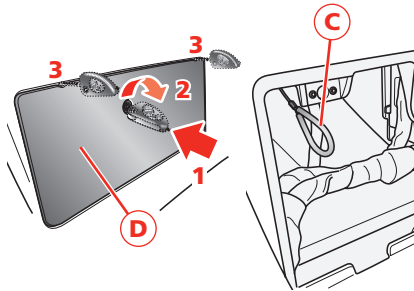


EMERGENCY OPENING

If necessary, the lid can be opened by pulling the cable **C** positioned behind the passenger seat. To access the cable, remove the panel **D**.

- 1) Insert the key in the lock
- 2) Turn it 90° clockwise
- 3) Using the key pry at the two notches in the panel.

To close the panel **D** perform the operations described in points 1 and 2 in reverse order.

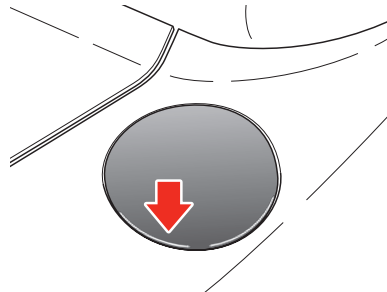


FUEL TANK DOOR

The fuel tank door is found on the right-hand rear side of the vehicle. To open the door, press on it as shown in the figure.

It may only be opened after deactivating the central door locking.

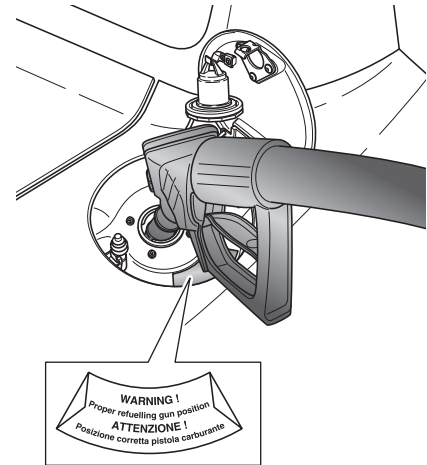
The tank cap hermetic seal may result in a slight pressure increase inside the tank. Any hissing noise while the cap is being opened is therefore completely normal.



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For proper refuelling, the fuel pump nozzle must be positioned in such a way that its axis is perpendicular to that of the vehicle.

The permitted rotation angle is clearly shown on the label next to the filler neck.



During refuelling, hang the cap on the fuel tank door using the dedicated hook **A**.

The cap is linked to the filler neck with a strap, to prevent it from being lost while refuelling.

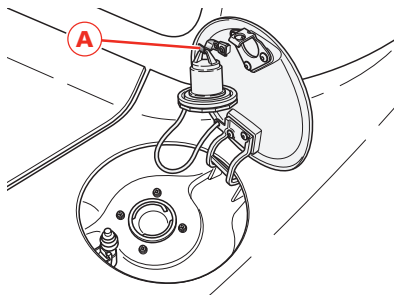
The fuel tank door must be closed manually.

Before closing the fuel tank door, check that the filler cap is fully tightened.



CAUTION

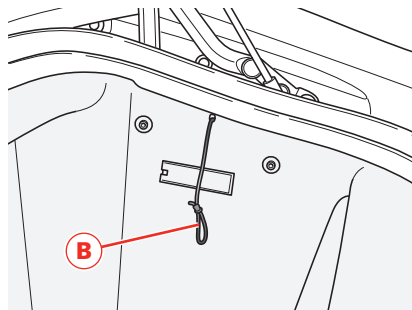
Do not bring open flames or lit cigarettes close to the filler: risk of fire!



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

FUEL TANK DOOR EMERGENCY OPENING

If necessary, the fuel tank door can be opened by pulling the cable **B** in the luggage compartment.



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KEYS

THE ALFA ROMEO CODE SYSTEM

In order to enhance protection against thefts, the vehicle is equipped with an electronic engine immobilizer system (Alfa Romeo CODE), which is automatically activated when the ignition key is removed.

Each starter key contains an electronic device which transmits a code signal to the Alfa Romeo CODE control unit, and engine ignition is enabled only if the key code is recognised by the system.

Two keys are provided with the vehicle.

The key is used for:

- starting
- activating the central door locking system
- deactivating/activating the passenger airbag (on vehicles equipped with manual deactivation system)
- opening the luggage compartment lid electrically
- activating/deactivating the alarm system

OPERATION

Each time the ignition key is removed from position **STOP** the protection system activates the engine immobilizer.

Upon starting the engine, when the key is turned to **MAR**:

- 1) If the code is recognised, the CODE  warning light on the instrument panel turns off in one second, while the EOBD  warning light turns off after about four seconds, after the ECU has completed its diagnostic cycle. The protection system has recognised the key code and deactivates the engine immobilizer. With the brake pedal depressed, pushing the **START** button, the engine starts.
- 2) If the CODE  warning light remains on and the EOBD  warning light goes off after four seconds (ECU diagnostics) and illuminates again immediately afterwards, the code has not been recognised and the message "Electronic key not recognised" is displayed. In this case, it is advisable to turn the key back to position **STOP** and then back to **MAR**; If the immobilizer stays on, try with the other keys. If you are still

unable to restart the engine, you will have to perform the emergency start procedure and contact an **Authorised Service Centre of the Manufacturer's Network**.

While driving, with the ignition key in position **MAR**:

- 1) If the CODE  warning light illuminates, it means that the system is performing a self-diagnostic cycle. At the first stop you can test the system: stop the engine by turning the ignition key to position **STOP** and then back to **MAR**: the CODE  warning light will illuminate and should turn off in one second. If the warning light remains on, repeat the procedure described previously leaving the key at **STOP** for more than 30 seconds. If the problem persists, please contact an **Authorised Service Centre of the Manufacturer's Network**.
- 2) If the CODE  warning light flashes, it means that the vehicle is not protected by the immobilizer device. Immediately contact an **Authorised Service Centre of the Manufacturer's Network** to have all the keys stored in the system memory.

WARNING: Strong impacts 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 KEYS

When ordering additional keys, remember that the storage procedure (up to maximum of 7 keys) must be carried out on all the keys, including those already in your possession. Directly contact an **Authorised Service Centre of the Manufacturer's Network** bringing with you all the keys in your possession, the Alfa Romeo 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 from being used to start the vehicle.

EMERGENCY STARTING

If the Alfa Romeo CODE fails to deactivate the engine immobilizer, the CODE  warning light will illuminate permanently, accompanied by the message: "Electronic key not recognised", while the EOBD  warning light will go off after four seconds to turn on again immediately afterwards: the engine will not start. The engine can only be started with the emergency procedure.

WARNING: It is recommended to 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 found on the CODE CARD.
- 2) Turn the ignition key to **MAR**: at this moment the CODE  and EOBD  warning lights are on.
- 3) Depress the accelerator pedal and hold it down. 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 number of flashing is equal to the first digit of your CODE CARD, fully depress the accelerator pedal and hold it down until the EOBD  warning light goes off (after approximately 4 seconds). then release the accelerator.
- 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, depress the accelerator and hold it down.

- 6) Follow the same procedure for the remaining digits in the code on the CODE CARD.
- 7) When the last digit has been entered, hold the accelerator pedal pressed down. The EOBD  warning light comes on for 4 seconds and then goes off; you can now release the accelerator.
- 8) A quick flashing of the EOBD  warning light (about 4 seconds) confirms that procedure has been carried out correctly.
- 9) Start the engine by turning the key to position **MAR**.

If the EOBD  warning light remains on, turn the key to position **STOP** and repeat the procedure from step 1.

This procedure can be repeated an unlimited number of times.

WARNING: After an emergency starting, you should contact an **Authorised Service Centre of the Manufacturer's Network** otherwise you will have to perform the emergency procedure every time the engine is started.

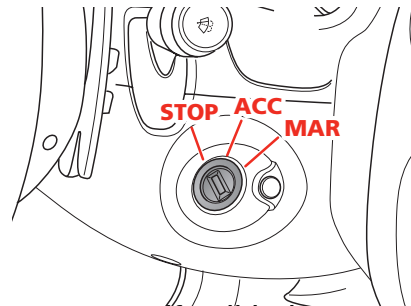
IGNITION SWITCH

The ignition key can be turned to 3 positions:

STOP - Engine off, immobilizer and steering lock activated, all devices except non key-operated devices (e.g. central locking, etc.) deactivated. The key can be removed.

ACC - Steering lock release position.

MAR - Engine start and driving position. All electrical devices can operate.



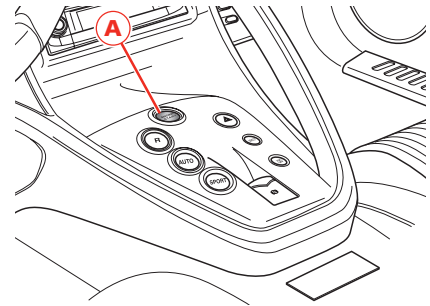
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START BUTTON

Hold the brake pedal depressed and press the START button **A** to start the engine.

When the engine has started, release the START button.

Avoid pressing the START button at length. For the starting procedure, see "Starting the Engine".



**CAUTION**

If the ignition switch has been tampered with (e.g. attempted theft) have it checked at an authorised Service Centre of the Manufacturer's Network before continuing driving.

**CAUTION**

When you get out of the vehicle, always remove the key to prevent someone inadvertently activating the controls.

Remember to apply the parking brake and, if the vehicle is on a hill, engage first gear.

If the vehicle is on a downward slope, engage reverse gear.

**CAUTION**

Never leave children unattended in the vehicle.

ELECTRONIC ALARM SYSTEM

The electronic alarm system has the following functions:

- remote control of the centralised door locking/unlocking system
- perimeter surveillance, detecting the opening of doors, engine/luggage compartment lids
- motion surveillance, detecting intrusion in the passenger compartment
- vehicle movement surveillance.

WARNING: The engine immobilizer function is ensured by the Alfa Romeo CODE system, which is automatically activated when the ignition key is removed from the starter switch.

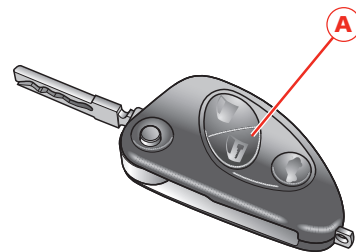
ENGAGEMENT

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

- the direction indicators will flash once;
- the system beeps;
- the car's centralized door locking system is activated, thereby locking the doors.

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

- 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 vehicle moves.

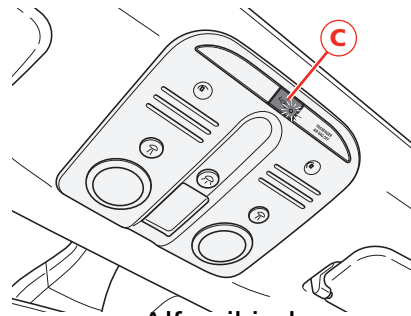


When the electronic alarm is active, the user may request the luggage compartment opening; in this case, the motion and inclination sensors are temporarily deactivated.

If the luggage compartment lid 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 properly closed and therefore is not protected by the perimeter surveillance. Check for correct closing of doors, engine/luggage compartment lids and close the open one without deactivating the alarm system: the direction indicators flashing once indicate that now the door, engine/luggage compartment lids are closed properly and are protected by the perimeter surveillance.

The motion sensing/anti-lifting alarm can be deactivated by pressing the button **C** on the roof panel when the engine is running (key in **MAR** position) or within one minute from turning off the engine (key in **STOP** position). Deactivation is signalled by the LED flashing for 3 seconds. The alarm system will remain deactivated until its reactivation.



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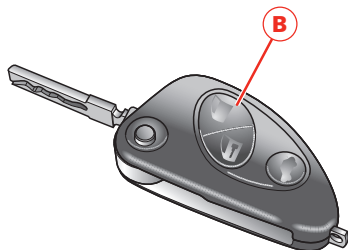
WARNING: If the direction indicators flash 9 times when the alarm system is activated with doors, front and rear lids properly closed, this means that the self-diagnostic function has detected a malfunction in the system and that you should contact an **Authorised Service Centre of the Manufacturer's Network** to have the system checked.

DEACTIVATION

Press button **B** on the key to deactivate the alarm system:

- the direction indicators will flash twice
- the system emits a double beep
- the centralised door locking 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.



Press button **B** twice to unlock all the doors; the low beams will activate 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 unlock it: the alarm will sound but you will have to continue with the normal starting procedure. The alarm will go off.

ALARM MEMORY

If the warning light  appears on the display when the vehicle is started, accompanied by the message "Attempted theft" 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 has been homologated in all countries where a legislation covering radio frequencies is applicable.

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 homologation number is found on the component.

ORDERING EXTRA RADIO OPERATED CONTROLS

To purchase new keys with radio control, exclusively contact an **Authorised Service Centre of the Manufacturer's Network**, bringing with you:

- all the keys with radio control in your possession
- the CODE CARD of the Alfa Romeo CODE system
- the electronic alarm system CODE CARD
- your identity card
- the identification and registration documents proving ownership of the vehicle.

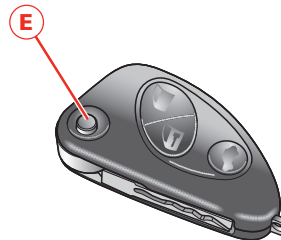
WARNING: The radio controls not handed over for the new code storage procedure will be automatically deactivated in order to prevent any lost or stolen radio controls from being used to deactivate the electronic alarm system.

REPLACING RADIO OPERATED CONTROL BATTERIES

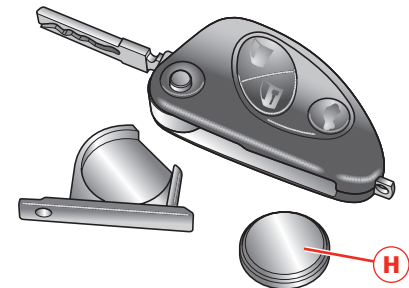
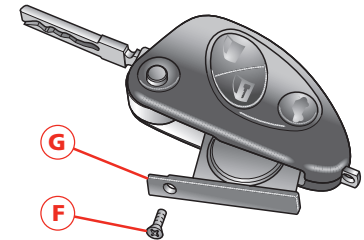
If you press one of the three buttons and this does not activate the corresponding feature, before replacing the batteries, check the alarm system features using the other remote control.

To replace the remote control battery:

- extract the key by pushing the button **E**
- undo the screw **F**
- extract the battery holder **G**



- remove 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**.



FRONT SEATS

The seats are characterised by a wraparound design (racing type) and have a carbon structure and leather-covered seat.



CAUTION

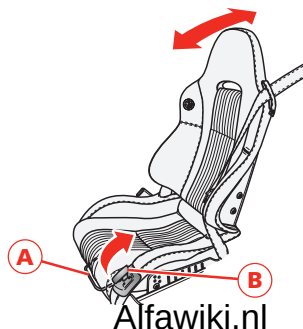
It is extremely dangerous and prohibited by law to travel seated on the panel behind the seats. In the event of an accident, persons transported in this manner are more exposed to the risk of serious injury. Passengers must only travel seated in the vehicle seats, with the seat belts fastened properly. Always check that you and your passengers have your seat belts fastened correctly.

BACK/FORWARD ADJUSTMENT

Pull the lever **A** up and slide the seat forward or backward to the desired position.

Release the lever and move the seat slightly to ensure that it is locked in place.

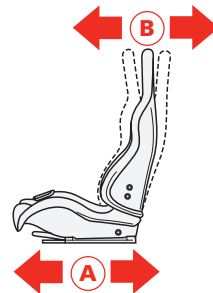
We suggest that you move the seat fully back before getting out of the vehicle, so that entering and exiting the vehicle is more comfortable.



SEATBACK INCLINATION

Lift lever **B** and adjust the backrest to the desired position; when the lever is released the backrest will lock in this position.

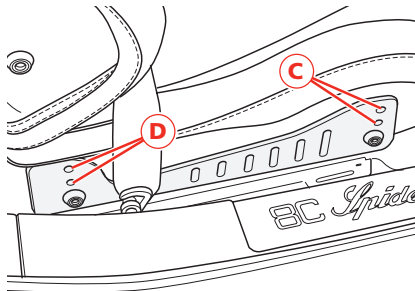
The driver should never adjust the seat while driving, as this may cause him to lose control of the vehicle



SEAT HEIGHT ADJUSTMENT

The seat height must be mechanically adjusted, using the front holes **C** and the rear ones **D**.

WARNING: Have the adjustment made only at an **Authorised Service Centre of the Manufacturer's Network**.

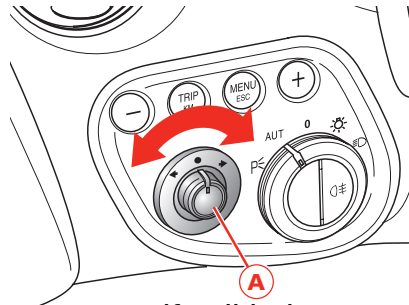


REAR-VIEW MIRRORS

EXTERNAL REAR-VIEW MIRRORS

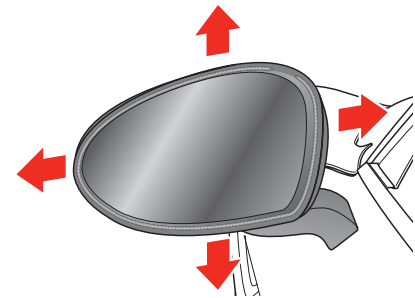
They can be adjusted electrically (with the ignition key turned to **MAR**) and they are equipped with anti-mist elements.

- Mirror selector (right-hand or left-hand): turn the selector **A** to the left or right depending on the mirror you wish to adjust.
- Mirror positioning: using control **A**, you can adjust each mirror with four movements (up – down – right – left). Bring the selector back to the centre to avoid changing the



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mirror position involuntarily. The mirrors will yield in both directions in the event of a collision.

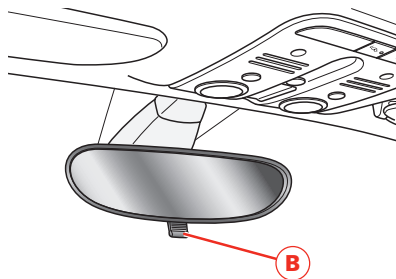


INTERNAL REAR-VIEW MIRROR

Adjustable, with anti-glare position.

Operate the lever **B** under the mirror to obtain the desired position (normal during the day, anti-glare during the night).

The mirror is fitted with an accident-prevention release system that activates when it is hit.

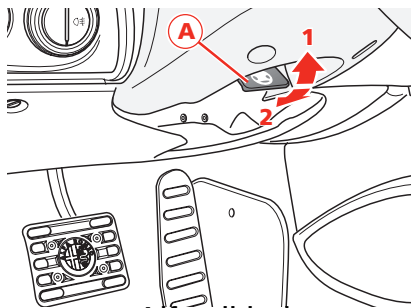


STEERING WHEEL

The steering wheel can be adjusted in height and depth.

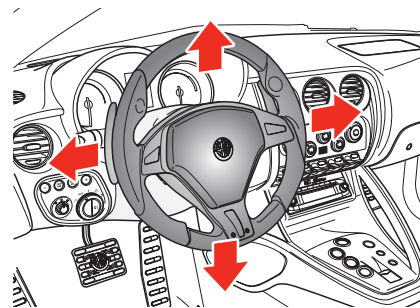
- Move the lever **A** to position 1.
- Adjust the steering wheel.
- Move the lever **A** back to position 2 to lock the steering wheel.

CAUTION
Do not adjust the steering wheel with the vehicle moving.



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CAUTION
Never remove the steering wheel. If necessary, have this operation performed at an Authorised Service Centre of the Manufacturer's Network.



EXTERNAL LIGHTS AND DIRECTION INDICATORS

The external lights and direction indicators can be turned on only when the starter key is at **MAR**, except the parking lights which can always be turned on.

The external lights can be turned on and off manually or automatically, according to the brightness of the light outside.

HEADLIGHT SWITCH

The switch **A** can be set to 5 positions:

- 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 vehicles manufactured for the Japanese market, they are not operational; for all the other markets where by law they may not be turned on, they can be deactivated from the multifunction display.

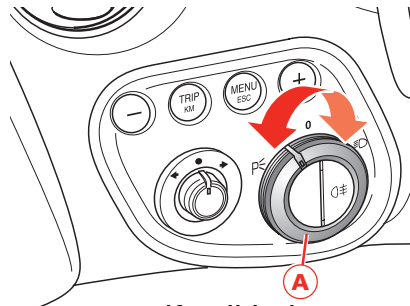
PARKING LIGHTS

The parking lights work only when the ignition key is turned to **STOP** or when the key is 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.

Operating the direction indicator lever, you can turn on only the parking lights on the side selected with the lever.



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AUTOMATIC ACTIVATION/ DEACTIVATION

When the switch **A** is turned to **AUTO** and the ignition key is turned to **MAR**, the position lights, low beams and number plate lights automatically turn on and off according to the ambient light.

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



CAUTION

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



CAUTION

In case of fog during the day, the position lights and low beams will not be activated automatically. The driver must always be prepared to turn on the external lights manually, even the rear fog lights if necessary.

WARNING: After automatic activation of the external lights, it will always be possible to turn on the rear fog lights manually. When the external lights turn off automatically, also the rear fog lights (if on) will be turned off. The next time the external lights activate automatically, the rear fog lights will have to be turned on manually if necessary.



CAUTION

The driver is always responsible for turning on the external lights, depending on the ambient light and in compliance with the regulations in force in the country of use. The automatic system for activating/deactivating the external lights must be considered an aid for the driver. If necessary, turn the lights on and off manually.

TWILIGHT SENSOR

The twilight sensor is comprised of two sensors: a global sensor, capable of measuring the light intensity above, and a directional sensor, which measures the light intensity in the vehicle's travelling direction, enabling it to recognise tunnels and driveways. The sensing range of the twilight sensor can be adjusted through the instrument panel, by selecting the Setup mode.

In the event of a sensor failure, the system will turn on the low beams and the position lights, regardless of the light outside, and a failure message will appear on the instrument panel display.

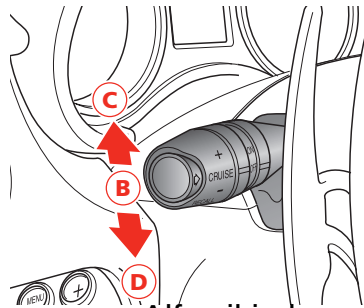
The failure signal remains active until the switch **A** is turned to AUTO.

In this case, we recommend that you deactivate the automatic system and turn on the external lights manually if necessary; as soon as possible, contact an **Authorised Service Centre of the Manufacturer's Network**.

DIRECTION INDICATORS

The lever has 3 setting positions:

- B** - Direction indicators off
- C** - Lever up: right-hand indicators
- D** - Lever down: left-hand indicators.



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Lane change function

Allows the driver to flash the left or right direction indicators 3 times without having to move the lever to positions **C** or **D** and then return it to the standby position **B**.

To activate this function, you must simply start moving the lever to a different position: move it up to activate the right-hand direction indicators, move it down to activate the left-hand direction indicators.

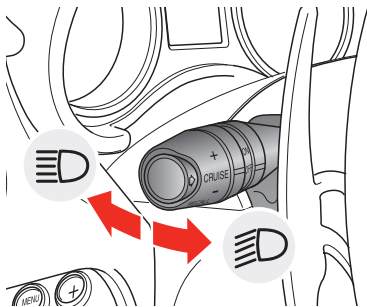
This function is useful when overtaking or changing lanes.

HIGH BEAMS

With the light switch in position , push the left-hand lever towards the dashboard to turn on the high beams.

Pull the lever towards the steering wheel again to turn off the high beams and turn on the low beams.

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

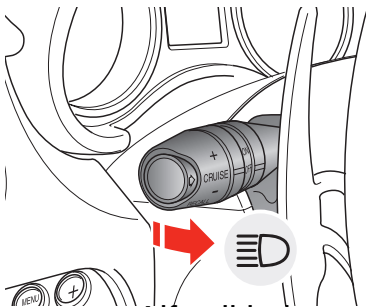


FLASHING THE HEADLIGHTS

The headlights can be flashed by pulling the left-hand lever towards the steering wheel.

Flashing occurs also with the lights off if the ignition key is in position **MAR**.

WARNING: Keep to the road regulations in force to avoid penalties.



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“FOLLOW ME HOME” FUNCTION

This function allows you to set a timing for activation of the position lights and low beams, so that they may remain on for a set time after turning off the vehicle.

This function is activated by pushing the lever on the steering column switch, used to flash the headlights. The position lights and low beams turn on for 30 seconds, the message “Follow me” appears on the instrument panel display for 20 seconds, and the light activation time is displayed.

When this function is active, every time the lever for flashing the headlights is operated, the time the lights remain on is increased by 30 seconds, up to a maximum total time of 210 seconds. The display will show the time set.

If the lever for flashing the headlights is operated for more than 2 seconds, the function is deactivated, and the indicator on the instrument panel display goes off.

When the function is active, turn the key back to **MAR** to deactivate the system.

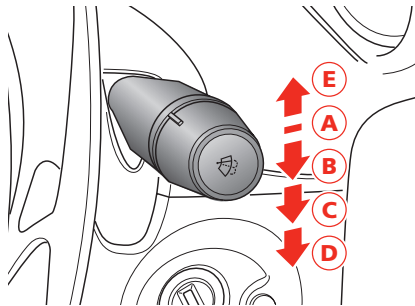
WINDSCREEN WASHER/WIPERS AND HEADLIGHT WASHER

The windscreen wiper and washer only works with the ignition key turned to **MAR**.

WINDSCREEN WIPER

The lever has 5 setting positions:

- A** - Windscreen wipers off.
- B** - Automatic operation. In this position, the sensing range of the rain sensor can be adjusted (lever turned to first click position).



- C** - Slow continuous operation (lever turned to second click position).
- D** - Fast continuous operation (lever turned to third click position).
- E** - Fast temporary operation (non-permanent position).

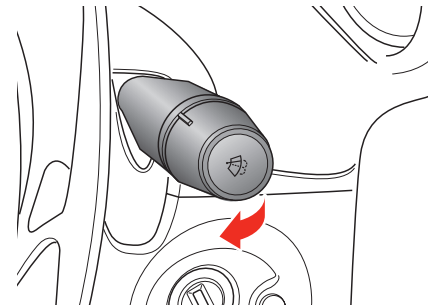
WINDSCREEN WASHER

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

When the windscreen washer is activated, the windscreen wipers start automatically. Releasing the lever stops the spray of fluid while the blades continue to wipe for a short time.

WARNING: Do not activate 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 the view.

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

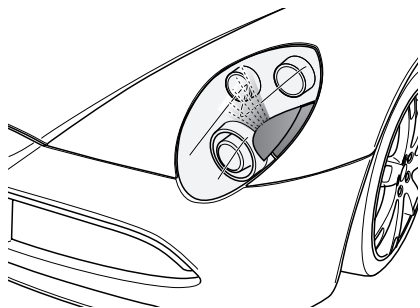


HEADLIGHT WASHERS

The headlight washers are activated automatically when the windscreen washer is started and the low beams are on.

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

The headlight washers are deactivated if the vehicle speed exceeds 130 Km/h.

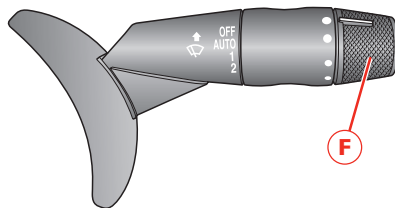


RAIN SENSOR

The function of the rain sensor is to adapt the frequency of the windscreen wiper 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 automatically activated when shifting the right-hand lever to position **B** and has an adjustment range that varies progressively from "windscreen wiper off" when the windscreen is dry, to "second continuous speed" in heavy rain.



To adjust the intermittent wiping frequency, shift the lever to position **B**, rotate the dial **F**.

Turning the dial clockwise, intermittent operation varies from a maximum (fast intermittent operation) to a minimum (slow intermittent operation).

If the engine is turned off when the windscreen wiper is set to automatic with the lever in position **B**, to reactivate the feature, the next time the engine is started you must shift the lever to the standby position **A**, and then back to position **B**.

**CAUTION**

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

WARNING: If there is 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 turned on in intermittent mode and the sensing range will be set by the user, regardless of whether or not there is rain on the windscreen. A failure message will be displayed on the instrument panel.

In this case, we recommend that you deactivate the rain sensor and turn on the windscreen wiper, if necessary, in continuous mode. As soon as possible, contact an **Authorised Service Centre of the Manufacturer's Network**.

SOFT TOP

NOTE: By soft top “opening” we mean folding the soft top into the rear luggage compartment. By soft top “closing” we mean the opposite.

PRECAUTIONS

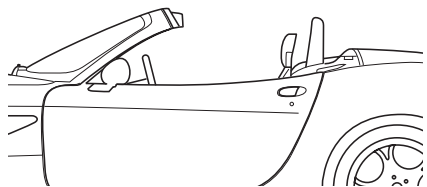


CAUTION

Before opening or closing the soft top, always check that no one is in the way as impact with the soft top may cause injury.

Also check that no objects stand in the way of the soft top as impact may cause damage to both the soft top and the object.

Soft top open

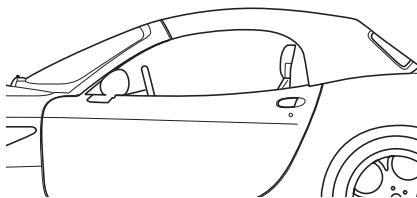


WARNING: Do not open the soft top when it is wet, as the damp that would form in the soft top housing might cause permanent damage to the structure or stains or mould in the canvas. Should it need to be opened, do not leave it sitting in the housing for more than a day.

WARNING: Do not open the soft top when it is dirty, as both the canvas and the rear window might be damaged when it is folded.

WARNING: Do not open the soft top if there is ice or snow on it. Should it need to be opened, remove the snow or ice and do not use sharp or pointed objects.

Soft top closed



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WARNING: Do not place objects on the soft top as they might fall and cause damage and injury when it is moved.

WARNING: Do not place any objects in the soft top housing.

WARNING: Do not fasten roof-racks or similar on the soft top.

WARNING: When closing the soft top, do not lock it before it has correctly stopped at the windscreen frame.

WARNING: Only open or close the soft top when the vehicle is stationary, otherwise it might not fully open or close. For example, if you start opening or closing the soft top when you are standing at a traffic light and it has not fully opened or closed by the time you start moving again, you can complete the operation by driving slowly (not more than 5km/h) and holding the soft top movement switch pushed down until the process has been completed.

WARNING: If you drive any faster a vacuum might be created in the passenger compartment and the soft top might start “wobbling”; to solve this problem let more air into the passenger compartment.

WARNING: It is advisable to close the soft top when parking the vehicle. This not only protects the passenger compartment against the elements but is also a safeguard against theft.

WARNING: If possible, park in the shade as prolonged exposure to the sun will alter the canvas fibre and colour.

WARNING: Before disconnecting the battery lower the side windows by about 4-5 centimetres to prevent damaging the soft top strip when the doors are opened and closed. When the battery is connected and fully charged, this operation is performed automatically whenever the doors are opened or closed. The windows must remain lowered until the recharged battery is reconnected.

If the battery is discharged and the windows are fully up, only open the doors when strictly necessary and being extremely careful: do not

close them again until the windows can be lowered.

WARNING: Cover the top with a protective sheet when it is going to be parked outdoors for a long period of time.

WARNING: The vehicle may not be washed with high-pressure water jet systems be it a manual nozzle or an automatic car wash with turning rollers.

WARNING: Do not use solvents, alcohol, petrol or other generic detergents to clean the soft top.

OPENING AND CLOSING

The soft top must be opened and closed with the vehicle stationary and as a rule with the engine on at idle speed.



CAUTION

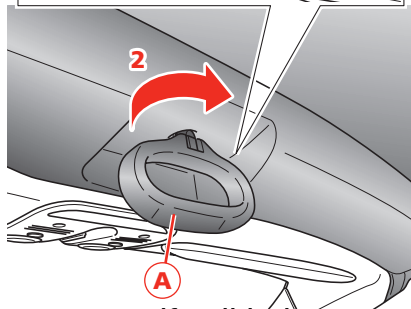
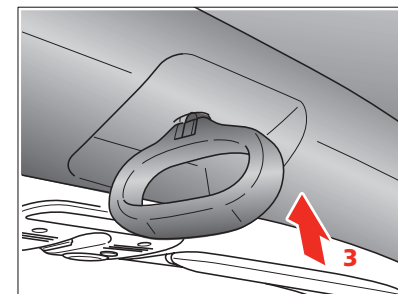
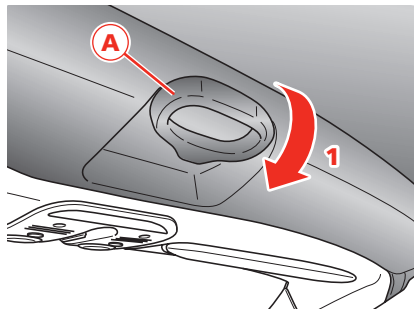
The operation must be carried out outdoors. Exhaust gases contain carbon monoxide which is strongly toxic and potentially lethal.

If necessary (e.g. in closed places) the operation can be performed with the engine off and the ignition key in **MAR** position. However, the battery will spend excessive energy and discharge much faster.

Opening

- Unfold the handle **A**;
- Pulling downward slightly turn the handle clockwise up to the end of its travel;
- Once released from the windscreen frame, lift the front part of the soft top until it is positioned at the beginning of travel (START).

CAUTION It is strictly prohibited to turn the soft top opening/closing handle while driving.



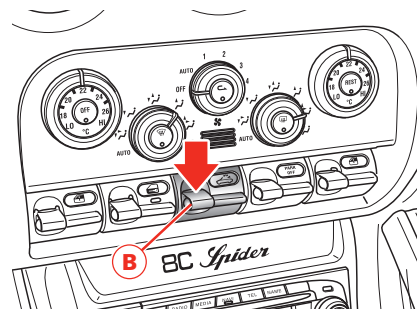
Should the soft top be unfastened from the windscreen and caught by the wind, it might open violently and expose the passengers to danger as well as cause damage to the soft top.

- Push and hold down the switch **B** until the opening cycle has been completed;

OPENING CYCLE:

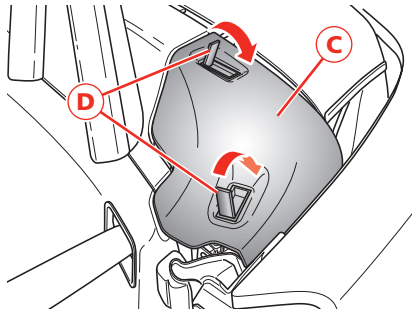
- Side windows opening;
- Soft top opening;
- Side windows closing.

The opening cycle can be interrupted at any time by releasing the switch **B**.



- Secure the soft top lever covering flaps **C** in their seats to the sides of the soft top housing by folding the two latches **D**.

WARNING: When securing the flaps, press on them slightly so that when the latches are closed they are aligned with the parcel shelf behind the seats.

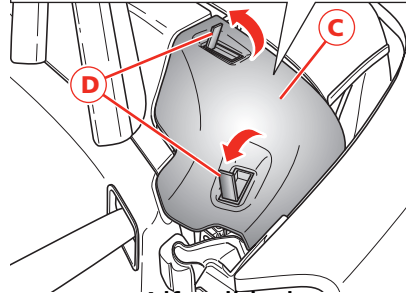
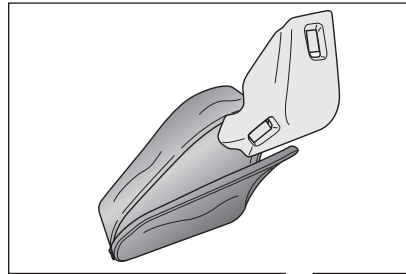


Closing

Proceed as outlined for the opening procedure but in reverse order

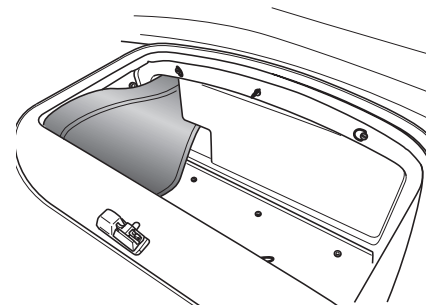
- Remove the covering flaps **C** from the sides of the soft top housing by lifting the two latches **D**.

WARNING: The soft top movement control is deactivated when the flaps are secured.



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- Put the flaps in their case and store it in the luggage compartment.



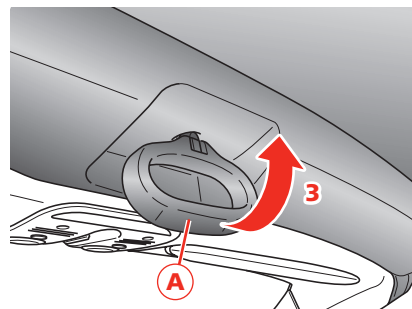
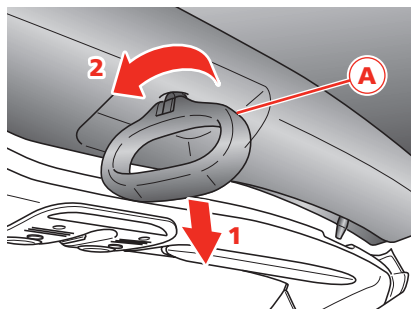
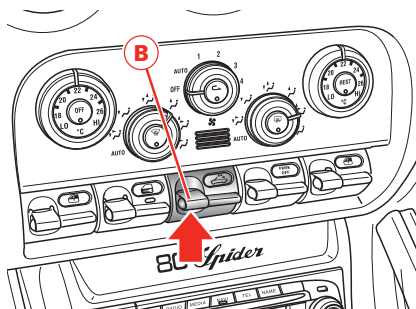
- Push and hold up the switch **B** until the soft top is completely closed.

CLOSING CYCLE:

- Side windows opening;
- Soft top closing.

- Grip the handle **A** and pulling it downwards position the front edge of the soft top against the windscreen frame.
- Turn the handle anticlockwise up to the end of its travel, paying attention that the locking hinges turn and correctly slip into their seats on the windscreen frame.

- Fold the handle **A**.



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During the soft top opening and closing cycles, the progress is shown on the display.



CAUTION

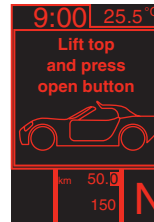
Before operating the soft top, make sure there is sufficient space for it to open/close safely and that there are no obstacles or persons near to the moving parts. In case of danger, release the soft top switch to stop its movement. Keep your hands away from the soft top levers, the soft top housing and the upper edge of the windscreen.

WARNING: At the beginning of the soft top opening or closing cycle, always ensure that the door windows have lowered automatically. If not, release the soft top switch and lower both door windows using the relative buttons or open the doors slightly.

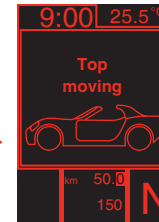
OPENING CYCLE:



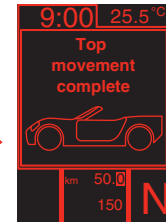
Turn the handle



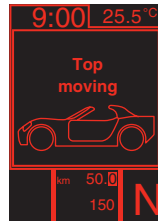
Lift the soft top



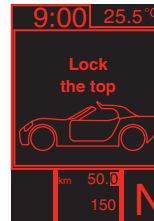
Push the switch down



CLOSING CYCLE:



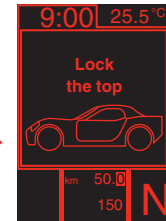
Push the switch up



Lower the soft top



Turn the handle



Automatic movement of the soft top is interrupted in the following cases:

- Failure of the hydraulic/electric movement system;
- Switch release before the soft top has reached the end of its travel;
- Exceeding a speed of 5 km/h.

Automatic movement of the soft top is deactivated in the following cases:

- Luggage compartment open or not properly closed;
- Vehicle moving (at a speed above 5 km/h);
- Soft top still locked on the windscreen or released but not lifted and positioned at the beginning of travel (START);
- Movement system overheated;
- Battery voltage low;
- Soft top lever covering flaps not removed from their seats.

All these conditions are shown on the display with a message warning that the operation cannot be performed and subsequently a

message suggesting the corrective action to take.

WARNING: During the opening and closing cycle the following are deactivated: Luggage compartment lid opening and window movement with the relative controls

SIDE WINDOW MOVEMENT

The soft top movement switch **B** can also be used to control side window opening/closing.

The possible operations are:

Automatic window opening

With the soft top completely open or closed (locked with the handle **A**) briefly push the switch **B** down twice to lower the windows until they are completely open; this function is deactivated at a speed above 5 km/h.

Manual window opening

With the soft top completely open or closed (locked with the handle **A**) twice push the switch **B** down, the first time briefly, the second time longer; after a few seconds the windows will start going down and continue until the switch is released or the window is completely open.

Manual window closing

With the soft top completely open or closed (locked with the handle **A**) twice push the switch **B** up, the first time briefly, the second time longer; after a few seconds the windows will start going up and continue until the switch is released or the window is completely closed.

FAILURE

In the event of failure of the hydraulic and electric soft top movement systems, the icon  will illuminate on the display accompanied by a message indicating that automatic movement is not available.

In these cases, check that the soft top is in a safe position, and if not, complete the movement manually. Subsequently, try and move the windows using the respective controls; if they do not move, push and hold the the soft top movement switch down for more than 5 seconds, which will activate the window controls and the luggage compartment lid opening control.

WARNING: If a soft top failure is indicated on the display, go to an **Authorised Service Centre of the Manufacturer's Network** to have the fault corrected.

If the automatic soft top movement system fails during or before its movement cycle it can be completed manually.

The soft top system is also capable of managing partial failure conditions:

- The system will detect a window movement failure after opening or closing has been requested by pushing the movement switch up or down. Implementing a self-preservation strategy, which allows only the closing operation, the system displays a message asking you to check that the windows are in a safe position (lowered by a few centimetres). After checking this, the soft top movement can be activated by holding the soft top movement switch pushed up for at least 5 seconds. At this point, the normal cycle is shown on the display accompanied by an acoustic signal

- If a normal soft top movement cycle is interrupted for more than 300 seconds, the system displays a message requesting that the operation be completed. If this were not possible, it asks you to check that the soft top is in a safe position (completely open and folded into the soft top housing, or closed and locked to the windscreen). After checking this and completing the operation manually if necessary, to re-enable the window movement and luggage compartment lid opening controls, push the soft top switch twice, the first time briefly and the second time longer.

MANUAL EMERGENCY SOFT TOP OPERATION

If necessary, the soft top can be opened or closed manually even if the opening/closing cycle was started in automatic mode. In these cases it is however advisable to close the soft top and go to an **Authorised Service Centre of the Manufacturer's Network** to have the system repaired.



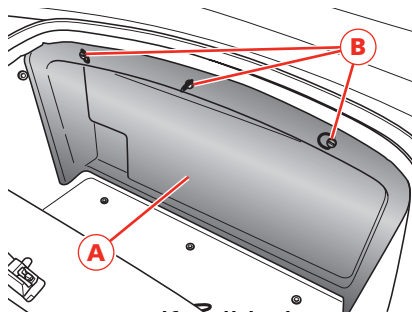
CAUTION

The manual soft top movement operation should be carried out by two persons to prevent injury or damage to the vehicle.

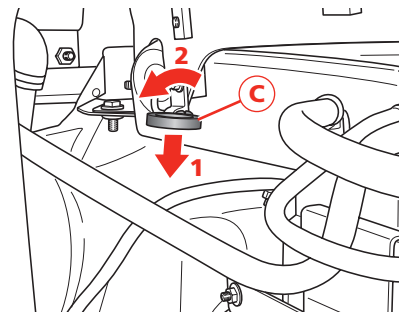
Closing:

- Open the luggage compartment lid and remove the panel **A** by turning the 3 unlosable retaining screws **B** anticlockwise

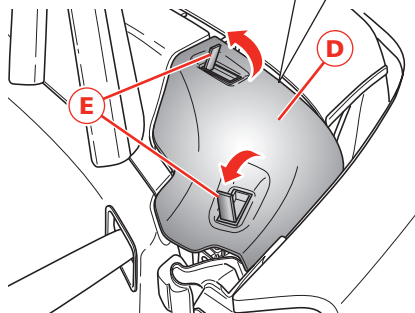
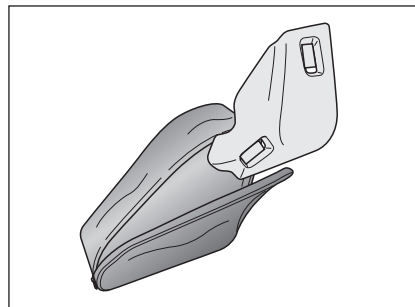
- To free soft top movement pull and turn the cable by about 90° from the ring **C**; when the cable is released, it should not jump back into its seat;



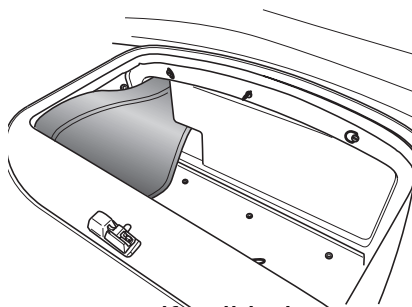
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- Remove the two covering flaps **D** by lifting the catches **E**;

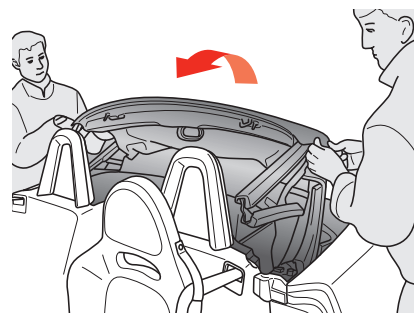


Put the flaps in their case and store it in the luggage compartment;



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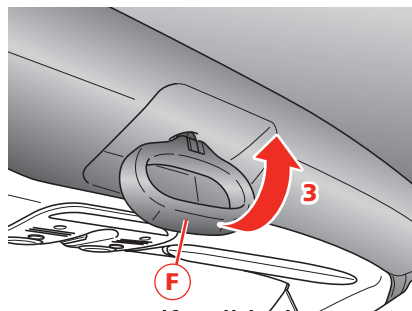
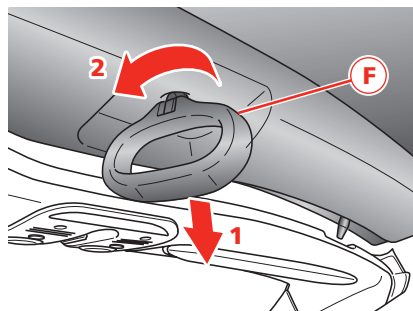
- Gripping the soft top by its frame pull it out and move it up to the windscreen frame;



- Grip the handle **F** and pulling it downward turn it anticlockwise, paying attention that the locking hinges correctly slip into their seats on the windscreen frame

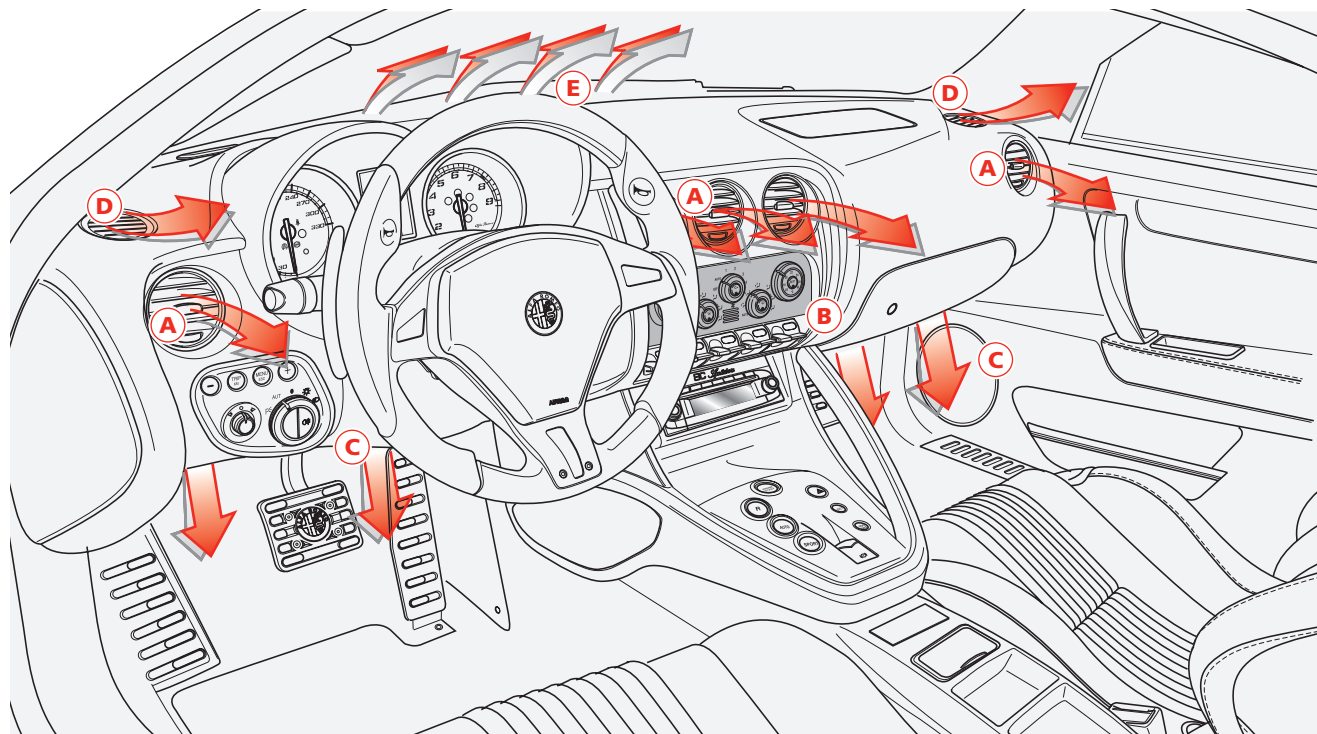
- Fold the handle **F**.

WARNING: When done, remember to reposition the cable in its original seat, otherwise the electric system will be unable to operate even if the system is functioning.



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AIR CONDITIONING AND HEATING SYSTEM



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- A) Adjustable central and side vents.
- B) Air conditioning and heating system controls.
- C) Air vents for foot area.
- D) Fixed air vents for side windows.
- E) Fixed air vents for windscreen.

The vehicle is equipped with an automatic dual-zone air conditioner/heater, which adjusts the air temperature, its distribution and flow in the passenger compartment in two separate zones: driver side and passenger side.

OPERATING MODES

Automatic

Automatically adjusts the temperature, air flow rate and air distribution in the passenger compartment in relation to the requested temperature, the outside temperature and the sun.

Partially Automatic

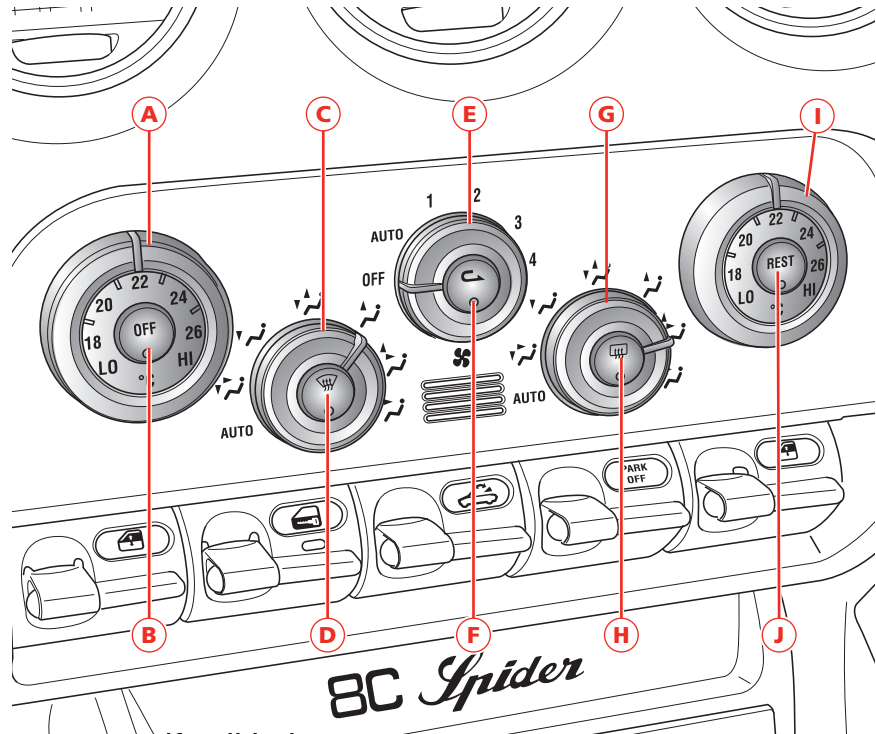
This is used to adjust certain parameters manually, while others remain automatic.

Manual

This mode allows the user to set different values as desired.

Controls

- A)** Left-hand temperature control
- B)** Air conditioning compressor activation/deactivation
- C)** Left-hand air distribution control
- D)** Windscreen defogging/demisting
- E)** Fan speed adjustment
- F)** Recirculation function
- G)** Right-hand air distribution control
- H)** Rear window and external rear-view mirror defogging/demisting
- I)** Right-hand temperature setting
- J)** Residual heat function.



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Activation

Fully automatic operation: turn the controls **C**, **E** and **G** to AUTO.

Deactivation

Deactivate the compressor by pressing the button **B** and set the control to OFF **E** (fan speed).



Air conditioning control switch B

Released

the air conditioner is on. The air is cooled and/or only dehumidified according to the selected temperature.

Pressed (LED on)

The air conditioner is off.

However, heating is still enabled and will turn on according to the temperature set.



Air distribution controls C and G

They can operate in two modes:

Automatic (AUTO)

the air flow distribution is controlled by the electronic system depending on the climate conditions and the selected temperature.

Manual

This is used to direct the air flow in the six positions of the respective areas (driver-passenger).



Temperature selection controls A and I

This is used to set the temperature desired inside the passenger compartment.

The end positions activate the functions "LO" and "HI" (minimum and maximum air temperature).



Fan speed control E

It can operate in three modes:

Automatic (AUTO)

The air flow is controlled by the electronic system according to the selected temperature to be reached and maintained.

Manual "OFF"

Turn the control to this position to turn off the air conditioning and to only allow air inlet from the outside when the vehicle is in motion.

Fan speed

The four setting positions allow the occupants to select the air flow rate.



Residual heat function J

This function allows the user to maintain the temperature set for the passenger compartment for a certain time (15 minutes), even after the key has been turned to STOP. To activate this function, push the "REST" button before turning the key to **STOP**.

Once selected, this function is activated when the key is turned to **STOP** and sets the following features:

- bilevel air distribution
- compressor deactivation
- minimum fan speed
- air recirculation activation
- water recirculation pump activation

The system is deactivated after 15 minutes or when the key is turned to **MAR**.

In addition, the REST function will be disabled (if active), when the battery voltage is below 11.5V. When the outside temperature is above 25°C it will not be possible to activate the function.



Air recirculation switch F

Released

the air flow comes from the outside.

When outside temperatures exceed 35 °C, the air recirculation option remains on with a 120-second pause every twenty minutes, to refresh the air.

Pressed (LED on)

The air flow comes from inside the passenger compartment.

The recirculation speeds up air heating or cooling.

Prolonged use is not advisable.



Windscreen defogging/ demisting switch D

Press this switch (LED on) to activate windscreen defogging/demisting.

To deactivate this function, press the switch.



Defogging/demisting switch H for rear window and external rear-view mirrors

It is activated by operating the switch **H** and activation is signalled by the LED.

If it is not deactivated within thirty minutes after activation, this function deactivates automatically.

It is however advisable to deactivate it once the defogging/demisting process is complete.

Once the internal temperature has stabilised at the desired level, you are advised not to change the position of the selector unless the external temperature changes drastically.

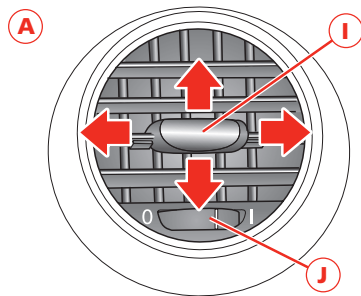
A change in the position of the temperature selection switch will involve a difference between temperature inside the passenger compartment and the air coming out of the vents. This difference will gradually decrease as the system works at full, stabilised speed.

ADJUSTABLE VENTS

These can be positioned vertically and longitudinally using control **I**.

Using control **J** you can adjust the air flow.

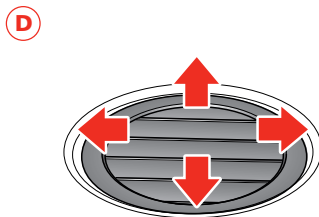
The vents **A** have these features.



FIXED AIR DISTRIBUTION VENTS

These cannot be adjusted and are designed specifically for demisting/defrosting or cooling certain areas.

Vents **C**, **D** and **E** have these features.

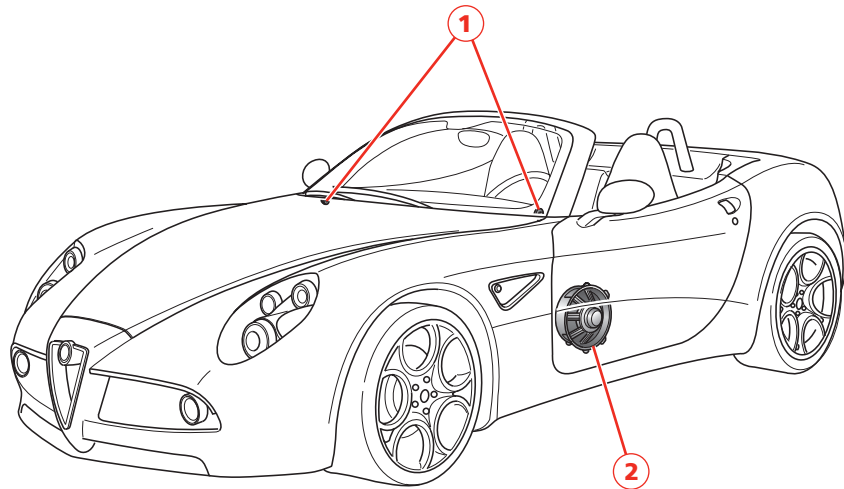


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CAR STEREO SYSTEM

The system is made up of:

- 1) Two 38 mm Tweeters with 25 Wrms output power installed in the dashboard.
- 2) Two 165 mm mid-woofers with 20 Wrms output power installed in the door panels.



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BOSE HI-FI SYSTEM (OPTIONAL)

The Bose HI-FI audio system has been carefully designed to provide the best acoustics, also based on the type of passenger compartment.

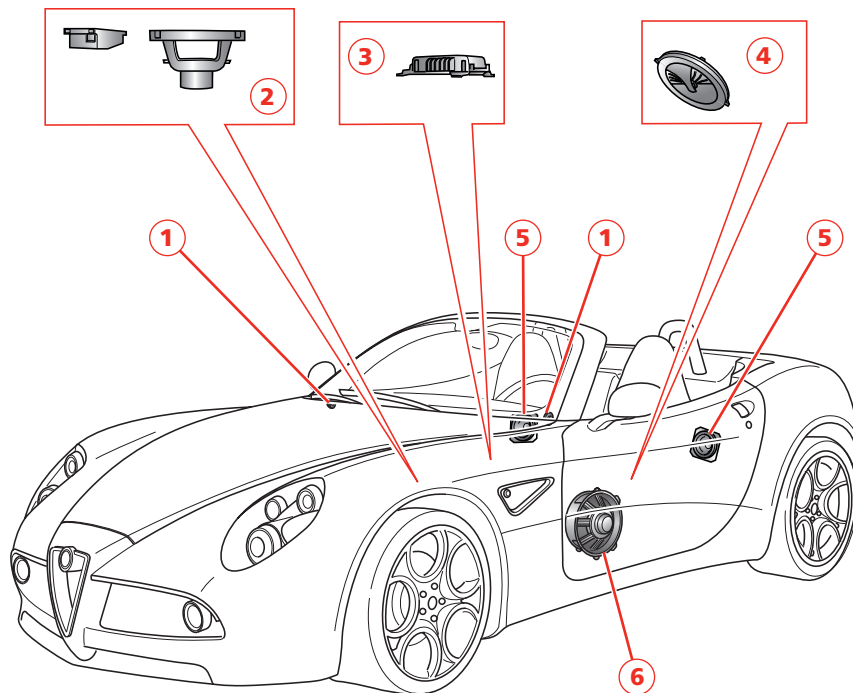
Technical Information:

The Bose HI-FI system is composed of:

- 1) Two 40 mm tweeters installed on the dashboard.
- 2) One rich-bass speaker type bass-reflex in the passenger footwell.
- 3) One power amplifier with DSP with 8 independent channels installed behind the passenger seat.
- 4) One 290 mm sub-woofer 290 mm behind the driver's seat.

5) Two 80 mm mid-range speakers installed on the rear panel.

6) Two mid-woofers 165 mm installed in the door.

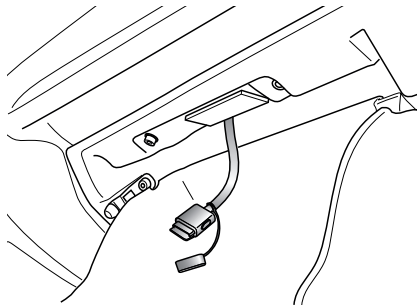


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IPOD CONNECTION SOCKET (OPTIONAL)

A socket is located in the glove compartment to connect an iPod.

This socket can be installed with both audio system configurations.



NAVIGATOR (OPTIONAL)

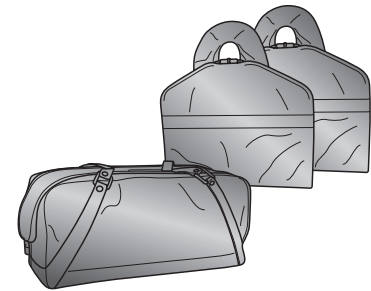
The car stereo can come equipped with a GPS navigation system.

SUITCASE SET (OPTIONAL)

In order to save space in the luggage compartment, a specific set of suitcases has been designed with **Alfa Romeo** stylistic features consisting of:

- One large bag;
- Two suit bags.

The suitcases can also be ordered at a later stage.



WINDSTOP

The windstop consists of a panel installed behind the seats, which prevents the wind from creating turbulence in the passenger compartment when the soft top is open.

When the windstop is not installed it is normally put in a case and housed in the luggage compartment. It is therefore inadvisable to place sharp and pointed objects in the luggage compartment unless they are firmly secured.

Fitting the windstop:

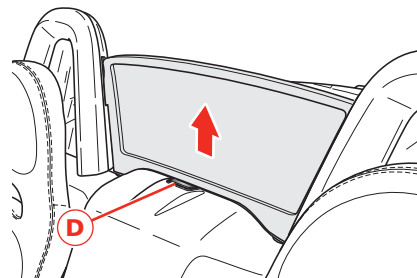
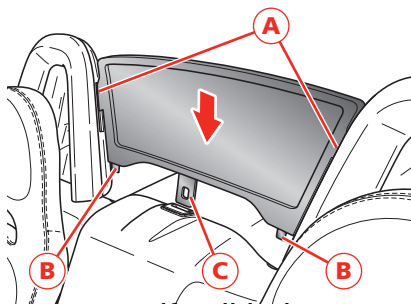
- 1) Take the windstop out of its case;
- 2) Position the windstop between the two roll-hoops in such a way that the side tabs **A**, the lower tabs **B** and the hook **C** are aligned with the respective seats;
- 3) Lower the windstop until you hear the locking click meaning that it is properly fitted into place.



CAUTION
Do not fasten any object to the windstop.

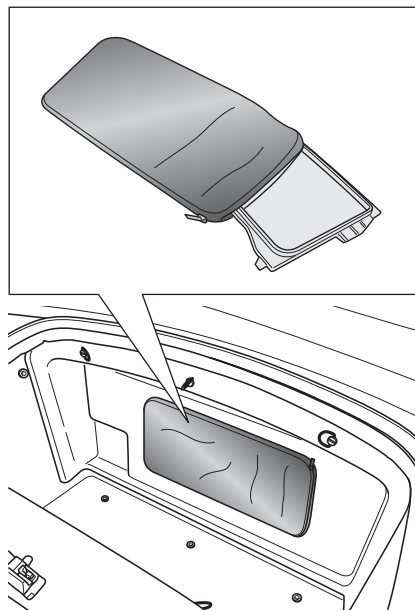
Removing the windstop:

- 1) Press the button **D**;
- 2) Lift out the windstop by sliding the tabs out of their seats;



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- 3) Put the windstop in its case and reposition it in the luggage compartment taking care to secure the case to the dedicated device.



VEHICLE IDENTIFICATION DATA
ACTIVE AND PASSIVE SAFETY
INSTRUMENTS AND CONTROLS
BEFORE YOU DRIVE
USING THE VEHICLE
IN AN EMERGENCY
CAPACITIES AND TECHNICAL SPECIFICATIONS
MAINTENANCE
TABLE OF CONTENTS





USING THE VEHICLE

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STARTING THE ENGINE



CAUTION
Hold the brake pedal depressed when starting the engine.



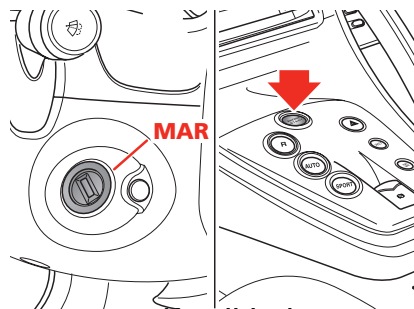
CAUTION
It is dangerous to operate the engine in an enclosed space. The engine consumes oxygen and discharges carbon dioxide, carbon monoxide and other toxic gases.

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) Make sure that the parking brake is applied and that the doors are closed.
- 2) Hold the brake pedal depressed when starting the engine.
- 3) Do not depress the accelerator pedal.
- 4) Set the gear to neutral by pulling both paddles **UP** and **DOWN** towards the steering wheel and check that the gear display indicates N not flashing.
- 5) Turn the ignition key to **MAR**.
- 6) press button **START** button and release it as soon as the engine starts.

Do not hold the **START** button for a long time.



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If the engine does not start, turn the key back to position **STOP** and wait for the gear display to go off before retrying.

The engine can also be started with a gear engaged; turning the key to position **MAR**, with the brake pedal depressed, press the **START** button. The system allows the clutch to open and the gearshift to engage neutral gear; then the starter motor receives clearance for start-up. This procedure usually requires one second. At very low temperatures, the procedure could take a slightly longer time.

If the gearbox is instead in the N position, starting is immediate.

If the engine does not start after turning the key to position **STOP**, wait for the gear display to go off and then repeat the entire procedure.

STARTING-OFF WHEN THE ENGINE IS COLD

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

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 flat one.

Proceed as follows:

- 1) Connect the positive terminals (+) of the two batteries with a cable specifically designed for this purpose.
- 2) Connect the negative terminals (-) of the two batteries with a cable specifically designed for this purpose.

WARNING: The battery is housed in a metal box, therefore, be extremely careful not to let the battery charger clips come into contact with it.

- 3) Start the engine.
- 4) When the engine starts, remove the cables in reverse order.

If the engine does not start after a number of attempts, do not continue indefinitely but consult an **Authorised Service Centre of the Manufacturer's Network**.



CAUTION
Do not carry out this procedure if you have no experience of it: incorrect manoeuvres may cause high levels of electrical discharge and may even lead to the battery explosion.



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

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

**CAUTION**

Remember that when the engine is not started, the power braking and power steering systems are not activated and so 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.

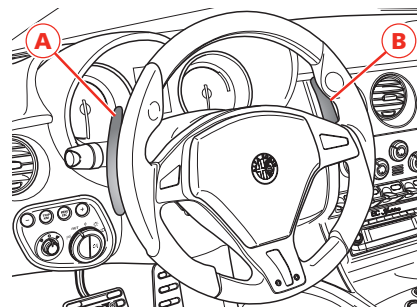
A burst on the accelerator pedal before turning off the engine has no purpose and increases fuel consumption.

Q-SELECT GEARBOX

The “Q-Select gearbox” is controlled with the paddles on the steering wheel for gear engagement and with the buttons on the centre console for reverse gear engagement and activation of the “automatic gearshift” and “low grip” functions.

The “Q-Select gearbox” controls are the following:

- A** - Lower gear engagement paddle **DOWN**
- B** - Upper gear engagement paddle **UP**
- C** - Reverse gear engagement button



D - "Automatic gearshift" button

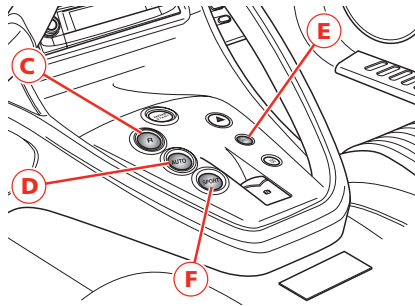
E - "Low grip" mode button

F - **SPORT mode button**

The display shows the gear engaged (1, 2, 3, 4, 5, 6, R or N) in area **G**.

In the event of a failure or if the oil level in the gearbox is low, the symbol  illuminates in area **H**. When the "automatic gearshift" function is active, the gear displayed is replaced with the letter "D".

When "SPORT" and "low grip" modes are active, the letters "S" and "W", illuminate in area **G**.

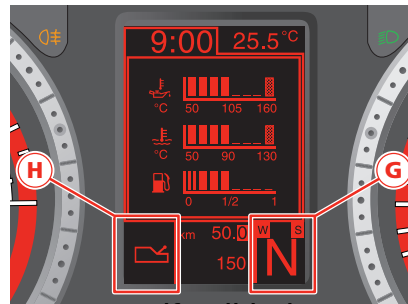


SYSTEM ACTIVATION

Turning the key to position **MAR** the display and the failure symbol  illuminate and will go off after a few seconds if no faults are found.

The gear engaged will remain highlighted in area **G** on the display.

WARNING: When the driver's door is opened, you may hear a humming coming from the gearbox assembly; this is due to ignition preparation stages. The failure warning light  may also flash briefly (10 sec.) and then turns off. The system completes the "ignition" stage and is then correctly activated. Avoid entering any commands in the system during this stage.



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CAUTION

If the symbol  continues flashing without turning off, start the system again after switching it off. If the malfunction persists, contact an Authorised Service Centre of the Manufacturer's Network to have the necessary checks performed.

If the symbol  remains on, there is a system failure. This condition is also indicated by a beep when the key is turned to position **MAR**.

WARNING: Contact an **Authorised Service Centre of the Manufacturer's Network** to have the malfunction corrected.

OPERATION WITH THE ENGINE OFF

After completing the "system start-up" stage, the gear currently engaged will appear on the display:

- N (Neutral)
- R (Reverse)
- D (1st).

If the indication flashes (may also occur with N) it means that the gear is not properly engaged or is disengaged; therefore, request neutral (N) and then the desired gear.



CAUTION
If a horizontal dash appears on the display, there is a system failure.

When the engine is off, 1st gear, reverse (R) and neutral (N) can be engaged. Keeping the brake pedal pressed during the request, you must proceed as follows:

- N (Neutral): pull both paddles found behind the steering wheel.
- R (Reverse): press button **C**.
- Engaging 1st gear: pull the **UP** paddle towards the steering wheel.



CAUTION
*To engage reverse gear, hold the button **C** down until the letter **R** is displayed.*

WARNING: Immediately release the paddles **UP**, **DOWN** and the button **R** after the gearshift request. A prolonged manoeuvre may cause the failure warning light  and the buzzer to activate. Do not operate the system with the engine off, to prevent discharging the battery. Avoid useless gearshifting with the engine off, to prevent overheating of the pump.

DRIVING THE VEHICLE

With the engine running, the vehicle stationary and the brake pedal pressed, release the brake and depress the accelerator to start off.

With the engine on and the vehicle stationary, you can shift directly from 1st gear to **R** (reverse gear), by pressing the button **C**, and from reverse gear to 1st gear by pulling the paddle **B UP** towards the steering wheel.

WARNING: Reverse gear engagement is accompanied by a safety acoustic signal, which sounds intermittently for the entire reversing manoeuvre.

When shifting from reverse to 1st gear, if the system automatically engages 2nd gear, it indicates that jamming has occurred with 1st gear. Therefore, this is not a failure, as it falls within the logic of the system operation.

For the same reason, the system automatically engages neutral (N) in case of jamming when shifting from 1st gear to reverse. During prolonged stops with the engine running, it is advisable to keep the gearshift in neutral (N).

WARNING: If, on downhill slopes, you let the vehicle move in neutral (N), when you request a gearshift UP, the gear engaged will depend on the current speed of the vehicle.

For safety reasons, the system activates the warning buzzer and automatically engages neutral (N) when, with the vehicle stationary, the engine running and a gear engaged:

- the brake pedal or the accelerator are not depressed for over 1 minute
- the brake pedal is depressed for more than 10 minutes
- the door is opened without depressing the brake pedal or the accelerator
- the engine compartment lid is opened.

WARNING: The warning buzzer is activated even if the clutch overheats during the “pickup” manoeuvre. In these cases, you must start off immediately or release the accelerator pedal and depress the brake pedal.

Hill Holder Strategy

The Hill Holder system helps the driver when starting-off on an uphill slope. It activates only following a vehicle stop when the brake pedal is released, keeping the vehicle stationary for a moment, so as to allow the driver to move from the brake to the accelerator pedal.

The system is capable of varying its activation time depending on the road slope. This time ranges from a minimum (0.06 seconds) on downhill stretches and a maximum (1.2 seconds) on uphill stretches, so that the driver will not perceive the vehicle as “braking” downhill.

The function that measures the gradient is active only at speeds over 8 km/h, therefore gradient changes at lower speeds will not be detected. Example: if you are driving uphill and you make a manoeuvre to change your driving direction, the system will not detect a gradient change, and its maximum activation time will remain 1.2 seconds.

Important

- With the vehicle stationary and a gear engaged, keep the brake pedal depressed until starting-off.
- Engage the reverse gear only when the vehicle is at a full stop and with the brake pedal pressed.
- When the VDC system is turned off, the antiskid system is deactivated.

UPSHIFTING (UP)

Use the right-hand **B UP** paddle without releasing the accelerator pedal.

An **UPshift** request will not be accepted if engagement of the requested gear would force the engine to run at low speeds (underrevving) or if an upshift is already in progress due to overrevving.

Gearshifting time depends on the accelerator pedal travel and on the engine RPM: the closer the pedal is to the end of travel and the greater is the engine RPM, the faster will be the gearshift.

In any event, it is best to:

- Shift gears without releasing the accelerator pedal if it is depressed.
- Wait until one gearshift is completed before requesting the next one, thereby avoiding a rapid sequence of multiple requests.

UPSHIFT FOR ENGINE OVERREVING

The system “automatically” engages a higher gear if, with the accelerator pedal depressed, the engine approaches the “runaway speed rate” (overrevving). This condition does not occur with the system in the “SPORT” mode.

DOWNSHIFTING (DOWN)

Use the left-hand **A DOWN** paddle without releasing the accelerator pedal.

A **DOWNshift** request will not be accepted if the requested gear would force the engine to overrev, or if a **DOWNshift** is already in progress due to underrevving

In any event, it is best to:

- Shift gears without releasing the accelerator pedal if it is pressed.
- If a **DOWNshift** is requested in order to start overtaking where rapid acceleration is required, depress the accelerator pedal just before moving the lever.
- Wait until gearshifting has been completed before requesting another one, avoiding multiple requests in rapid sequence.

DOWNSHIFT FOR ENGINE UNDERREVING

The system “automatically” shifts gear at an engine speed of approximately 1200 RPM.

A **DOWNshift** request will be ignored if a gearshift is already in progress due to engine underrevving.

REQUESTING NEUTRAL (N)

If necessary, neutral (N) can be requested at any speed.

If you then operate the **UP** paddle, the system will engage a gear suited to the vehicle speed.

STOPPING THE VEHICLE

When the vehicle stops, the system automatically engages 1st gear (unless N has already been requested).

With the vehicle stationary and the engine running, hold the brake pedal depressed until you are ready to start off again.

TURNING OFF THE ENGINE AND DEACTIVATING THE SYSTEM

The engine can only be turned off with the gearbox in 1st, or reverse gear R.

If the gear is in neutral and the key is turned from **MAR** to position **STOP**, the display remains on for a few seconds showing the letter (N) flashing and activating the acoustic signal.

For safety reasons, to avoid undesired and sudden vehicle movements:



CAUTION

Never leave the vehicle with the gear in neutral (N), but engage 1st or reverse gear and check that the parking brake has been engaged. Do not leave the vehicle with the engine running.



CAUTION

Do not remove the key when the vehicle is moving! The system (and thus the display) would remain active but malfunctioning, until the vehicle stops; in addition, the steering wheel would lock automatically at the first turn of the wheel.

In this case, the failure symbol  will illuminate and, before starting-off again, the system must be turned off and the “system start-up” phase repeated.

In any event, it is best to:

- Turn off the engine and the system holding the brake pedal depressed.
- Do not request a gearshift while the system is turning off.

OTHER SYSTEM FUNCTIONS

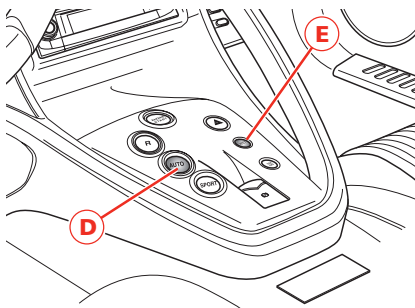
"Low-grip" WET mode

This mode can be used on particularly slippery road surfaces (e.g., snow, ice) and it is activated/deactivated by pressing button **E**.

This will light up the letter **"W"** on the instrument panel display.

While driving, the system ignores any gearshifting which would cause RPM adjustment above 2800 RPM.

"Low-grip" mode has priority over the other functions ("automatic gearshift" and "SPORT") and it assists the VDC system.



It is always a good rule to deactivate the other operating modes ("automatic gearshift" and "SPORT") before you select "low-grip" mode.

"Automatic gearshift" mode AUTO

It is activated/deactivated by pressing the button **D**; the gear displayed is replaced with the letter **"D"** and the system will automatically shift the gears **UP** and **DOWN** according to the vehicle speed, the engine RPM and the torque/power requested by the driver.

WARNING: The "automatic gearshift" mode has priority over "SPORT" mode. Therefore, if you press the **AUTO** button, **D** the system will operate in "automatic gearshift" mode.

You can go back to **NORMAL** mode (or **SPORT** mode, if this was active) by holding the button **D** pressed down until the word **AUTO** goes off.

When the vehicle is stationary, requesting **N 1st** or **R** will not cause the system to switch from "Automatic gearshift" to "Normal" mode.

It is always a good rule to deactivate the other operating modes before you select "Automatic gearshift" mode.

"No auto exit" strategy

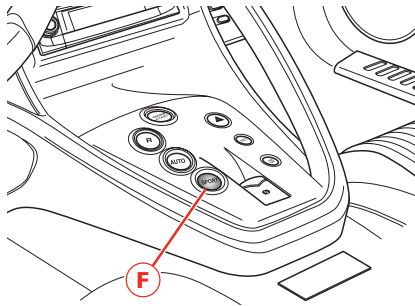
In **AUTO** mode you can always request a gearshift using the paddles, which will temporarily set the system to "manual" mode. This is shown on the display by the word **"AUTO"** that flashes for 5 seconds and then illuminates permanently, thus confirming that the system has returned to **AUTO** mode. A further gearshift request will restart the 5-second timer.

"SPORT" mode

It is activated by pressing button **F**; the letter "S" will illuminate on the display.

To return to "NORMAL" mode from "SPORT" mode, press the button again.

As "SPORT" mode has lower priority over "low-grip" and "automatic gearshift" modes, if these are already active when you activate "SPORT" mode, the system will ignore the command even though the relative warning light switches on.



CAUTION

"SPORT" mode is characterised by faster gearshifts than in "NORMAL" mode and engine power reduction through the ASR system is kept to a minimum.

Fast gearshifting however always depends on the accelerator pedal travel and on the engine RPM, as in "NORMAL" mode.

DOWNshifts with the accelerator pedal released, will have a braking effect approaching the skidding of the driving wheels on dry asphalt.

Under racing-style driving conditions with gearshifts at high engine RPM, double-clutching when up-shifting is performed automatically.



CAUTION

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 racetracks.

If you use a racing-style driving when starting-off or gearshifting with SPORT mode active, you might feel the driving wheels begin to slip even on dry roads.

It is a good rule to deactivate the other operating modes ("low-grip" and "automatic gearshift") before you select "SPORT" mode.

WARNING: In the event that the control lever assembly is malfunctioning, in addition to activating the buzzer and the failure warning light , the system enables “automatic gearshift” mode and any gearshift command, including the request for **N** and **R**, will be ignored.

WARNING: If the malfunction persists, contact an **Authorised Service Centre of the Manufacturer’s Network** as soon as possible to have the malfunction corrected.

PUSH START

In the case of malfunctioning of the starter system, you can push-start the vehicle proceeding as follows

- perform the “system start-up” stage
- request **UP** while the vehicle is picking up speed with the gearbox in **N**.

WARNING: This procedure should not be used unless there is an emergency situation!

USING THE BRAKES

The carboceramic braking system is bedded and run in by the **Authorised Service Centres of the Manufacturer’s Network** to ensure maximum performance right from the outset.

WARNING: It is recommended to use only original brake pads run in on the bench in order to maintain their original performance. If the pad wear warning light illuminates (residual thickness 7.5 mm), the Service Network will replace all the pads at the same time.

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 in keeping with the physical limits of the tyre side grip.

In order to fully exploit the ABS system features:

- You will perceive a light “pulsation” of the brake pedal during emergency braking or braking under low grip conditions: this is a sign that the ABS is working. 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 keep a safe distance from the vehicle in front of yours and reduce your speed when entering a bend.



CAUTION

If you frequently drive in high-performance conditions, periodically have the efficiency of the carboceramic braking system checked at the Authorised Service Centres of the Manufacturer’s Network.

USING THE ENGINE

BREAKING-IN

The latest methods of production provide high precision in the construction and coupling of components. However, the moving parts do undergo a settling process, basically in the first hours of vehicle operation.

ENGINE AND TRANSMISSION

Avoid exceeding 5000 RPM for the first 1000 km.

After starting the vehicle, do not exceed 4000 RPM until the engine has warmed up sufficiently (water temperature: 65, 70 °C).

Do not let the engine run at a constantly high RPM for a prolonged time.

WHILE DRIVING

Never travel with the Rev. Counter indicator approaching the peak RPM - not even downhill.

When the revolution counter indicator is approaching the peak RPM, drive carefully to avoid exceeding this limit.

WARNING: In normal conditions all the red warning lights on the instrument panel and on the display must be off. When they illuminate, they indicate a problem in the relative system.

Ensure proper operation of the various devices by checking the relative control gauges.

WARNING: Continuing to drive when a red warning light is on could cause serious damage to the vehicle and affect performance.



CAUTION *Never turn the engine off while driving downhill as the vacuum decrease prevents the servo brake from functioning correctly. After a few braking attempts, the system will become almost completely inefficient. The power steering will also lose its efficiency in these conditions.*

Engine control system (EOBD)

The EOBD (European On Board Diagnosis) system installed on the vehicle is in compliance with EC Directive 715/2007 - 692/2008 (EURO 5).

This system continuously monitors the components of the vehicle related to emissions; it also indicates, when the warning light  illuminates on the instrument panel, that the components in question are in poor condition.

The objective is the following:

- monitor the system efficiency
- indicate when a problem causes an increase in emissions exceeding the limits established by European regulations
- indicate the need for replacement of worn 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 engine operation diagnostics.

WARNING: If when turning the ignition key to **MAR** the warning light  does not illuminate or if it illuminates while driving, contact an **Authorised Service Centre of the Manufacturer's Network** as soon as possible.

WARNING: After correcting the malfunction, the entire system must be tested by the personnel of an **Authorised Service Centre of the Manufacturer's Network** that must perform tests on the bench and, if necessary, the road test the vehicle: this might require travelling long distances.

CONSTANT SPEED REGULATOR (CRUISE CONTROL)

GENERAL

The Cruise Control function allows the driver to maintain the desired vehicle speed constant without pressing the accelerator pedal. This reduces driver fatigue on highways, especially long trips, as the set speed is automatically maintained.

WARNING: The device can only be activated at speeds exceeding 30 km/h and it deactivates automatically when the brake pedal is depressed.



CAUTION

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

CONTROLS

The Cruise Control function is controlled by means of the switch **A**, the dial **B** and the button **C** (RCL).

Switch **A** can be set to two positions:

- **OFF** the device is deactivated;
- **ON** the device is active. When the device is activated, the symbol  illuminates on the instrument panel display.

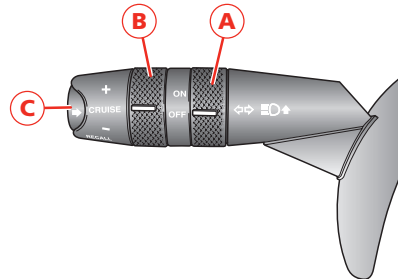
The dial **B** is used to store and maintain the vehicle speed, or to increase or decrease the speed stored.

Rotate the dial **B** to position (+) to save the speed reached or to increase the speed stored.

Rotate the dial **B** to position (–) to decrease the stored speed.

Each turn of the dial **B** increases or decreases the speed by about 1 km/h. Rotate and hold the dial to vary the speed continuously. When a new speed is reached, it will automatically remain constant.

Button **C** (RCL) allows you to reset the stored speed.



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WARNING: When the ignition key is turned to position **STOP** or the switch **A** to position **OFF**, the stored speed is deleted and the system deactivated.

STORING A SPEED

Set the switch **A** to ON and bring the vehicle up to the desired speed. Rotate the dial **B** to (+) for at least three seconds, then release it. The vehicle speed is 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, to pass another vehicle), 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 deactivated after braking, the speed saved previously can be restored as follows:

- gradually accelerate until you reach a speed close to that stored;
- engage the gear selected when the speed was stored (4th, 5th or 6th gear);
- press button **C** (RCL).

INCREASING THE SPEED STORED IN THE MEMORY

The speed stored in the memory can be increased in two ways:

- Depressing the accelerator pedal and then storing the new speed reached (holding the dial **B** turned for more than three seconds)

or

- momentarily turning the dial **B** to (+): each impulse transmitted by the dial will cause a slight increase in speed (about 1 Km/h), whereas a constant pressure on the same dial will cause a continuous increase in speed. When the dial **B** is released, the new speed will automatically be stored.

REDUCING THE SPEED STORED IN THE MEMORY

The speed stored in the memory can be reduced in two ways:

- Deactivating the device by depressing the brake pedal and then storing the new speed (turning the dial **B** to (+) for at least three seconds).

or

- Holding the dial turned **B** to (–) until reaching the new speed, which will automatically be stored.

RESETTING THE SPEED STORED IN THE MEMORY

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

- by turning the engine off
or
- by setting the switch **A** to OFF.



CAUTION

When driving with Cruise Control activated, do not shift to neutral. It is advisable to activate 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 activate the device in the city or in heavy traffic.



CAUTION

Cruise Control can only be activated at speeds exceeding 30 km/h.



CAUTION

The device can only be turned on in 4th 5th or 6th gear, depending on the vehicle speed.



CAUTION

When driving downhill with the device active, the vehicle may pick up speed slightly exceeding the speed stored in the memory due to the change in engine load.



CAUTION

*If the device malfunctions or fails to operate, set the switch **A** to OFF and contact an Authorised Service Centre of the Manufacturer's Network after checking that the protection fuse has not blown.*



CAUTION

*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 stored.*

HEADLIGHTS

BI-XENON HEADLIGHTS

The gas-discharge (Xenon) headlights use 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 can be clearly perceived (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 allows the driver to better detect other persons on the side of the road (e.g. pedestrians, bicycle riders and motorcycle drivers).

The electric arc requires very high voltage for striking, but after activation power is supplied at a lower voltage.

The headlights reach maximum brightness about 0.5 seconds after activation.



CAUTION
Should the bulbs need to be replaced, have this operation performed only at an Authorised Service Centre of the Manufacturer's Network. RISK OF ELECTRICAL SHOCKS!

DRIVING CONDITIONS

BEFORE A 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 always advisable to perform these checks at least every 500 km and to always follow the maintenance operations provided for in the "Warranty and Maintenance Schedule" book.

It is also advisable to:

- clean the glass on the external lights and all other glass surfaces
- properly adjust the mirrors, steering wheel, seats and seat belts.

CAPACITIES

WARNING: Use unleaded fuel only!
The use of fuel containing lead would permanently damage the catalytic converters.

For fluid and lubricant specifications and quantities, follow the indications contained in section 7 "CAPACITIES AND TECHNICAL SPECIFICATIONS".

SAFE DRIVING

Although the vehicle is fitted with active and passive safety devices the driver's behaviour is always a decisive factor for road safety.

Below are some simple rules for travelling safely in different conditions. You will, no doubt, be familiar with some of them but, in any case, it would be useful to read them carefully.

BEFORE YOU DRIVE

- Make sure that the 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.
- Check that nothing (e.g. mat covers, etc.) is blocking the pedals.
- Carefully arrange any objects in the luggage compartment, to prevent sudden braking from jerking them forward.
- Avoid heavy meals before a trip. A light snack helps to keep the reflexes sharp. In particular avoid drinking alcohol.
- Remember to read, at regular intervals, the instructions contained in the chapter "Before a trip", in this section.



CAUTION
It is extremely dangerous and prohibited by law to travel seated on the panel behind the seats. In the event of an accident, persons travelling in this position 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

- Caution is the first rule for safe driving. Being careful also means being in a position to be able to predict the 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 applicable in each country and above all, respect the speed limits.
- Long trips should be started in optimal physical condition.



CAUTION

Drunk driving, or driving under the influence of drugs or certain medicines is extremely dangerous for the driver and for others.



CAUTION

Always fasten the seat belts. Travelling without your seat belt fastened increases the risk of serious injury in the event of a collision.

- Make regular stops to loosen up your limbs and refresh yourself, and avoid driving for hours on end.
- Ensure that the air inside the passenger compartment is changed constantly.
- Never coast downhill with the engine off: the braking action requires greater effort on the pedal due to the absence of the engine brake and the power braking system.

DRIVING AT NIGHT

The main guidelines to follow when driving at night are set out below:

- Drive with the greatest caution: at night the driving conditions are more demanding.
- Reduce your speed, especially on roads with no street lights.
- At the first signs of drowsiness, stop: to continue driving would be a risk for yourself and for others. Continue only after you have had a rest.
- Keep the vehicle at a greater distance from vehicles in front of you than you would during the day: it is difficult to assess the speed of other vehicles when you can only see the lights.
- Make sure 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 cars.

- Use the high beams only outside of urban areas and when you are sure that they will not disturb other drivers.
- When another vehicle is approaching, switch the high beams (if on) to low beams.
- Keep the lights and headlights clean.
- Outside urban 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.

Certain advice for driving in the rain follows:

- 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 and aquaplaning.
- Heavy rain also substantially reduces visibility.
- Set the Air Conditioning controls to demisting, 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.
- Turn on the rear fog lights. Do not use the main beam.
- Remember that fog creates dampness on the asphalt and thus any type of manoeuvre is more difficult and braking distances are greater.
- Keep a safe distance from the vehicle in front of you.
- Avoid sudden changes in speed as much as possible.
- Whenever possible, avoid passing other vehicles.
- 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 vehicle horn rhythmically if you hear another vehicle approaching.

- When you get out of the vehicle, put on the high-visibility vest.

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 and avoid “cutting” corners.
- Remember that passing other vehicles when driving uphill is slower and thus requires more free distance on the road. If you are being overtaken on a hill, slow down and allow the other vehicle to pass.

DRIVING ON SNOW OR ICE

Below is some general advice for driving in these conditions:

- Keep 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 that you activate “Low grip” mode (see page 134).
- 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 a safety distance from the vehicles in front.

ANTI-POLLUTION DEVICES

Even if the vehicle is equipped with anti-pollution devices, the environment deserves the greatest respect from every one of us.

By following a few simple rules, the vehicle 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 it carefully.

The correct operation of the anti-pollution devices not only assures respect for the environment, but also has an impact on vehicle performance.

So, keeping these devices in good working conditions is the first rule for driving that is both ecologically sound and economical.

The first precaution is to follow the Scheduled Maintenance plan 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 manoeuvres that can damage catalytic converters.

Use an auxiliary battery only when making an emergency start.

While driving, if the engine does not run smoothly, you may continue driving but reducing engine performance to a minimum; you should then contact an **Authorised Service Centre of the Manufacturer's 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 letting it idle before starting off, except in the event of very low outside temperatures and, even then, for no longer than 30 seconds.



CAUTION

During normal operation the catalyst converter generates high temperatures. Do not, therefore, park the vehicle on flammable materials (e.g. 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 probe and exhaust manifold.



CAUTION

Failure to comply with these rules can lead to fire hazards.

OTHER ADVICE

- Do not warm up the engine when the vehicle is 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 RPM.
- As soon as traffic conditions and the route permit it, use a higher gear.
- Avoid depressing the accelerator repeatedly during stops at traffic lights or before turning off the engine.
- Keep your speed as regular as possible, avoiding unnecessary brake applications and accelerations, which cause fuel wastage and strongly increase exhaust emissions.
- Turn the engine off if the vehicle remains stationary for a long time.
- Check the tyre pressure regularly: if the pressure is too low, fuel consumption increases and the tyres are damaged.
- Do not transport unnecessary objects in the luggage compartment. The weight of the vehicle affects fuel consumption considerably.
- Use the electrical devices only as long as necessary. The power required increases fuel consumption.

PARKING

Pull the electric parking brake, straighten the wheels and turn off the engine.

Never leave the ignition key in position **MAR**.

Always remove the key when getting out of the vehicle.

**CAUTION**

Never leave children unattended in the vehicle.

**CAUTION**

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.

**CAUTION**

Do not leave the engine running with the vehicle unattended.

ELECTRIC PARKING BRAKE

The vehicle is equipped with an automatic parking brake **EPB** (Electric Parking Brake).

It is automatically engaged when the engine is turned off and disengaged when the engine is running, the brake pedal is depressed and a gear is engaged (1st or reverse).

When the electric parking brake is engaged (with the key in **STOP** position) the warning light **(P)** on the instrument panel comes on.

During engagement and disengagement, the warning light **(P)** flashes until the brake has reached its maximum engagement force or is fully released.

In the above mentioned conditions, the automatic engagement function can be deactivated/activated by pressing the button **A** on the dashboard.



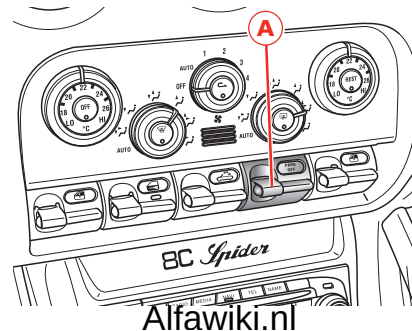
CAUTION

During engagement or disengagement of the electric parking brake, always hold the brake pedal depressed.



CAUTION

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



Engagement

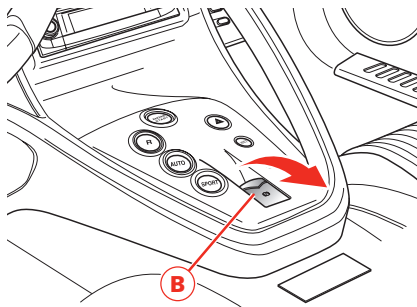
The electric parking brake is automatically applied when the engine is turned off and the vehicle is stationary.

It can only be disengaged when the engine is restarted.

When the key is removed or set to **STOP** it cannot be disengaged.

The electric parking brake can also be manually engaged when the vehicle is moving or the key is turned to **MAR** by pulling up the lever **B**.

If the engine was turned off with the automatic engagement device deactivated, you can reactivate it simply by pulling lever **B**.



CAUTION

Always check that the vehicle is actually locked before leaving it.



CAUTION

When the EPB button is activated while driving, the vehicle slows down with strong deceleration (Dynamic Braking). It is therefore advisable to use this function only in case of an emergency. The vehicle stability is in any case ensured by the VDC system, which is always active.

Disengagement

The parking brake is automatically disengaged when the brake pedal is depressed and a gear is engaged (1st or reverse).

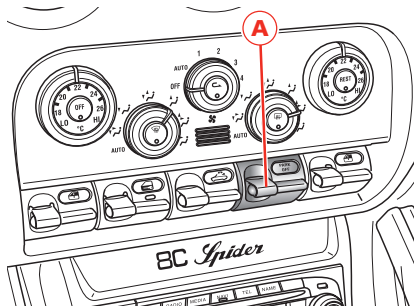
The electric parking brake can also be manually disengaged when the vehicle is moving or the key is in position **MAR** by manually pulling up lever **B** and simultaneously depressing the brake pedal.

WARNING: In certain conditions it is however advisable to manually disengage the electric parking brake and brake the starting manoeuvre slightly using the service brake. This is advisable when there are obstacles very close to the vehicle in the direction in which you intend to move.

Deactivating the PARK OFF automatic operation

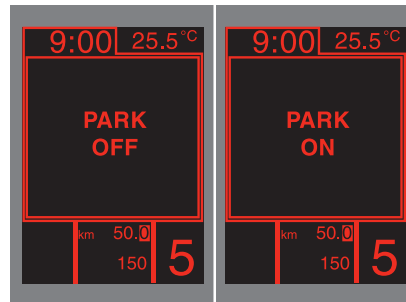
To deactivate manual operation of the electric parking brake, with the engine on, press the button **A** on the dashboard. The words **PARK OFF** will appear on the display for 5 seconds and then the page that was active previously will reappear.

To reactivate automatic operation, press the button **A** again, the words **PARK ON** appear on the display for 5 seconds.



WARNING: In certain conditions, when the battery voltage is low, the electric parking brake activation/deactivation system may temporarily be deactivated for safety reasons. Therefore, typically during engine starting when the battery voltage drops, the message **PARK OFF** may temporarily appear on the display indicating that automatic operation is temporarily disabled.

WARNING: In the case of performance starting, check that the electric parking brake is disengaged.



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Malfunction indication

In the event of electric parking brake system failures, the warning light **(P)!** on the display will come on.

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

- Parking brake failure
If the message warning you to go to the nearest **Authorised Service Centre of the Manufacturer's Network** is displayed, drive slowly and remember that the electric parking brake device is not functioning.
- Excessive temperature.
If after leaving the engine off (key turned to **STOP**) for about 15 minutes without using the parking brake, the warning light illuminates again when the engine is started, slowly drive to an **Authorised Service Centre of the Manufacturer's Network**.

If the brake failure is accompanied by the message "Mechanical release only", the manual emergency deactivation procedure must be performed to release the parking brake.

- Parking brake system overhaul
The EPB system requires maintenance, therefore contact an **Authorised Service Centre of the Manufacturer's Network** to have the system corrected.



CAUTION

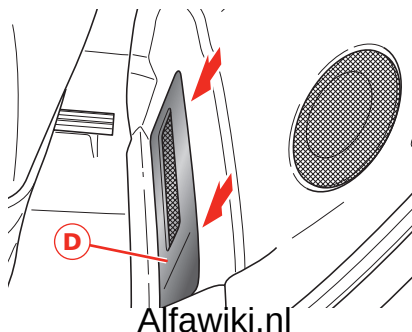
In the event of an electric parking brake failure, contact an Authorised Service Centre of the Manufacturer's Network as soon as possible.

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.

Proceed as follows:

- Move the left-hand seat fully forward and fully tilt the backrest;
- Using a screwdriver, remove the panel **D**, gently prying at the two notches in the panel;

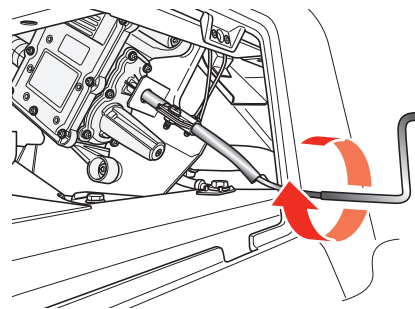


- Insert the special tool in the just uncovered pipe;
- Turn the handle anticlockwise until it is released;
- Remove the tool from the pipe and refit the cover.



CAUTION

After each manual emergency release, the electric parking brake system will be inefficient until its operation is corrected by an Authorised Service Centre of the Manufacturer's Network.



TYRES

TYRE INFLATION PRESSURE WHEN COLD

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



CAUTION

When winter tyres are fitted, it is advisable not to exceed a speed of 220 km/h. Always observe the regulations in force in the country where you are driving and follow the instructions provided by the tyre manufacturer.



CAUTION

When using the spare wheel (emergency wheel) do not exceed 80 km/h. 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.



CAUTION

Only use winter tyres having the same dimensions as those provided with the vehicle or as indicated on page 196.

The Authorised Service Centres of the Manufacturer's Network are 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, they should only be fitted for their intended use, for which they have been approved.



CAUTION

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



CAUTION

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 protuberance of 9 mm beyond the tyre tread.

The chains should be fitted only on the driving wheel tyres (rear wheels).

Check chain tension after driving for a distance of about 50 meters with the chains fitted.

Deactivation of the system is advised when chains are fitted on the tyres. Press the ASR-OFF button - LED on the same button is on.

Snow chains: brand/type

KONIG SUPERMAGIC

Rear tyre

285/35 ZR20

WARNING: Before purchasing or using snow chains, we recommend that you contact an **Authorised Service Centre of the Manufacturer's Network** for information.

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

USEFUL ACCESSORIES TO KEEP IN THE VEHICLE

Regardless of applicable legislation, we recommend that you keep the following in the vehicle:

- first aid kit containing alcohol-free disinfectant, sterile gauze pads, gauze rolls, bandages, etc. (provided with vehicles manufactured for the German market);
- electric flashlight;
- blunt-tipped scissors;
- heavy-duty gloves.

The objects described as well as other essential objects can be purchased from an **Authorised Service Centre of the Manufacturer's Network**.

VEHICLE IDENTIFICATION DATA

ACTIVE AND PASSIVE SAFETY

INSTRUMENTS AND CONTROLS

BEFORE YOU DRIVE

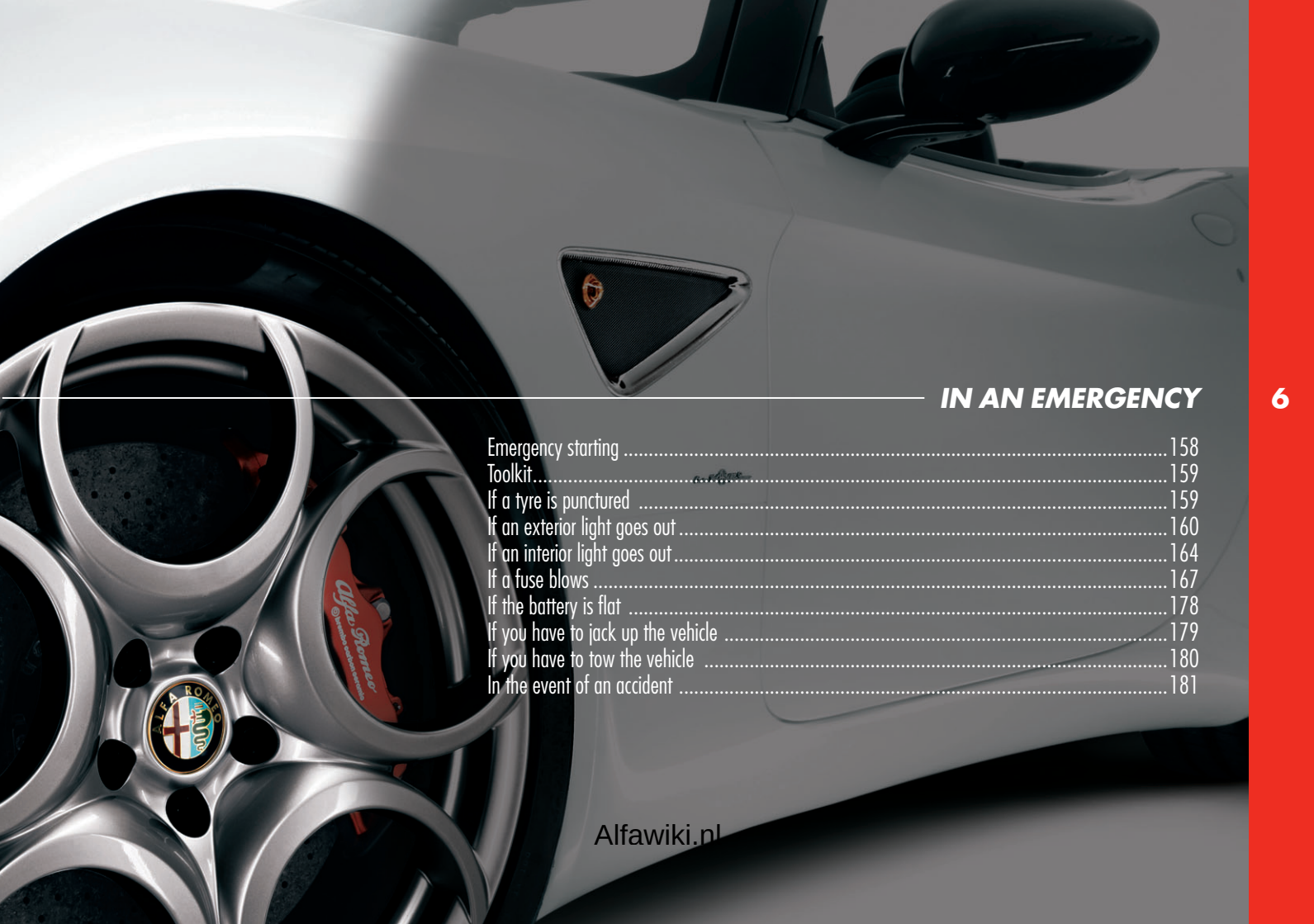
USING THE VEHICLE

IN AN EMERGENCY

CAPACITIES AND TECHNICAL SPECIFICATIONS

MAINTENANCE

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IN AN EMERGENCY

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EMERGENCY STARTING

If the Alfa Romeo CODE fails to deactivate the engine immobilizer, the CODE  warning light will illuminate permanently, while the EOBD  warning light will go off after four seconds to turn on again immediately afterwards: the engine will not start. To start the engine, it is necessary to follow the emergency starting procedure.

WARNING: We recommend that you carefully read the entire procedure before performing it. If you make a mistake, turn the ignition key to **STOP** and repeat the operations from 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) Depress the accelerator pedal and hold it down. 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 number of flashing is equal to the first digit of your CODE CARD, fully depress the accelerator pedal and hold it down until the EOBD  warning light goes off (after 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, depress the accelerator and hold it down.
- 6) Follow the same procedure 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 procedure has been carried out correctly.
- 9) Start the engine by pressing the **START** button while holding the brake pedal depressed.

If the EOBD  warning light remains on, turn the key to position **STOP** and repeat the procedure from step 1.

This procedure can be repeated an unlimited number of times.

WARNING: After an emergency starting, you should contact an **Authorised Service Centre of the Manufacturer's Network** as the emergency starting procedure will have to be carried out every time you start the vehicle.

TOOLKIT

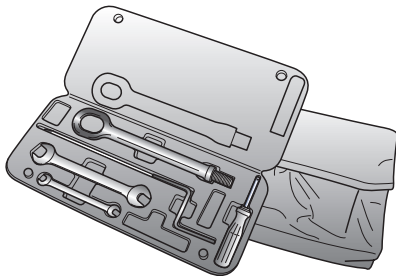
The vehicle is equipped with the following tooling:

- Toolkit;
- Hazard triangle;
- Tyre repair kit;
- First-aid kit (provided for vehicles destined for markets where it is obligatory to keep a first-aid kit in the car).

All the tools are housed in the storage box in the luggage compartment.

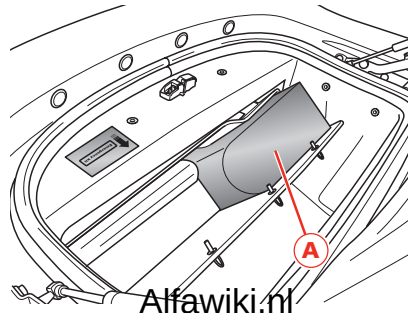
The toolkit contains:

- 8 + 10 open end wrench;
- open end wrench 13 + 17;
- double slot + cross-head screwdriver;
- tow hook;
- Electric parking brake actuator release tool.

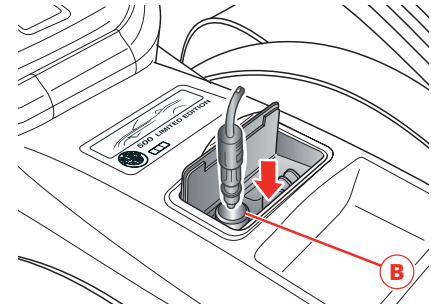


IF A TYRE IS PUNCTURED

For the punctured tyre repair procedure, see the instructions contained in the tyre repair kit **A** housed in the storage box in the luggage compartment.



NOTE: The compressor power plug must be inserted in the cigarette lighter socket **B** in the vehicle.



IF AN EXTERIOR LIGHT GOES OUT

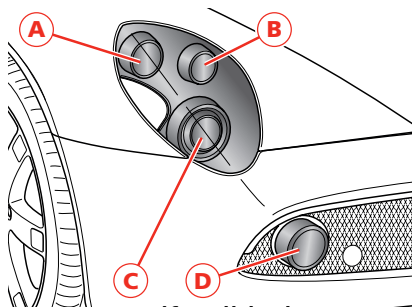
WARNING: Before replacing a light bulb, make sure that the corresponding fuse is in proper working condition. For replacement, use only genuine new light bulbs having the same characteristics as the bulb to be replaced.

HEADLIGHT CLUSTERS

To access the headlight bulbs can be accessed from underneath the vehicle, after removing the wheel housing.

The light bulbs of the headlight clusters are arranged as follows:

- A** - Position light bulb
- B** - Direction indicator light bulb
- C** - Bi-xenon low-beam/high-beam bulb
- D** - DRL bulb (on vehicles manufactured for the Japanese market, they are not operational; for all the other markets where by law they may not be turned on, they can be deactivated from the multifunction display).



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CAUTION

Have the Xenon lamps and low-beam/high beam bulbs replaced and the system checked only at an Authorised Service Centre of the Manufacturer's Network. RISK OF ELECTRICAL SHOCKS!

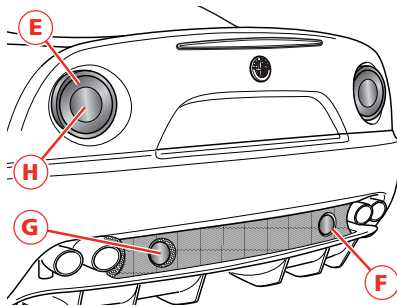
It is advisable to contact an **Authorised Service Centre of the Manufacturer's Network** also for replacement of the DRL, position and direction indicator bulbs.

TAILLIGHT CLUSTERS

The taillight bulbs are arranged as follows:

- E** - Position and stop light
- F** - Reverse light bulb
- G** - Rear fog light bulb
- H** - Direction indicator LED

Given the complexity of the operation, we advise you to have the taillight cluster bulbs replaced at an **Authorised Service Centre of the Manufacturer's Network**.

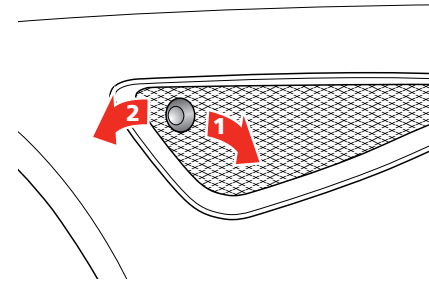


WARNING: For the countries that drive on the left, the reverse lights and rear fog lights are inverted.

DIRECTION INDICATOR LIGHTS

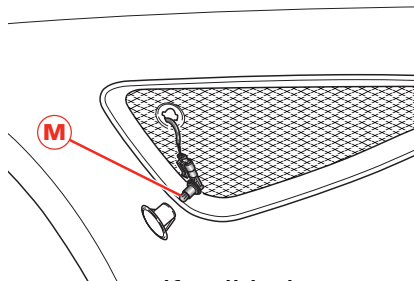
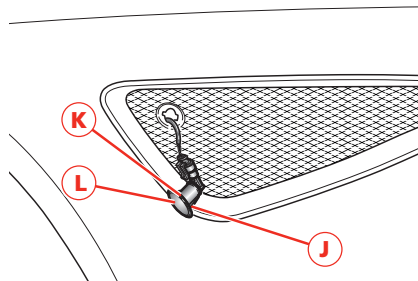
To replace the direction indicator light bulb (5W):

- 1) Push the direction indicator forward to compress the spring clip **J**.



- 2) Remove the rear part of the indicator by releasing the catch **K** and remove the unit.
- 3) Remove the bulb holder **L** by turning it anticlockwise.
- 4) Remove the bulb **M** and replace it.
- 5) Refit the bulb holder turning it clockwise.
- 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 into position.

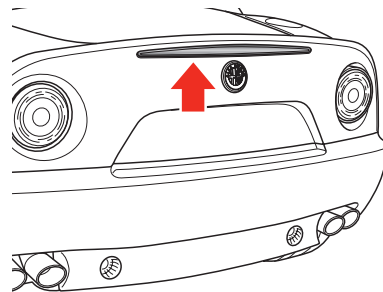
WARNING: Proceed with care when removing the side direction indicator light to avoid damages to the vehicle body or to the indicator itself.



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THIRD STOP LIGHT

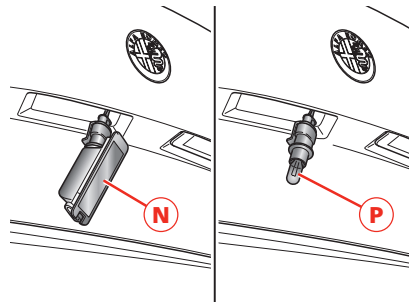
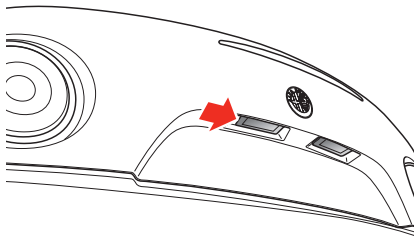
In order to replace the bulbs, you must remove the light cluster. It is therefore advisable to contact an **Authorised Service Centre of the Manufacturer's Network**.



NUMBER PLATE LIGHTS

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

- 1) Release the dome light by gently prising on the side with a screwdriver.
- 2) Remove the unit and turn the bulb holder.
- 3) Replace the snap-fitted bulb **P**.
- 4) Refit the bulb holder **N** inserting first the electrical connector side and then pressing on the other side to hook up the clip.



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IF AN INTERIOR LIGHT GOES OUT

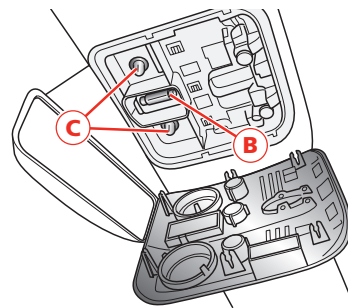
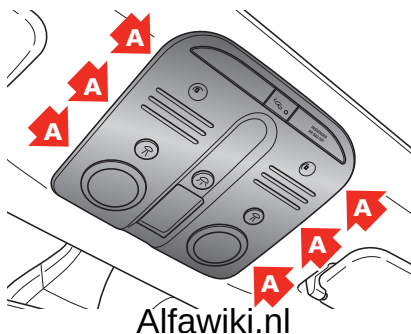
WARNING: Before replacing a light bulb, make sure that the corresponding fuse is in proper working order. For replacement, use only genuine new light bulbs having the same characteristics as the bulb to be replaced.

FRONT DOME LIGHT

- 1) Gently prise with a screwdriver at the points **A** and remove the dome light cover.
- 2) Replace the bulb concerned:
 - Timed cartridge lamp **B** (12V - 10W)
 - Reading light bulb holder **C** (12V - 3W). To remove the bulb holder, turn it and remove it from its seat.

- 3) Refit the dome light cover, first fitting the left-hand side and then pushing the right-hand side into place.

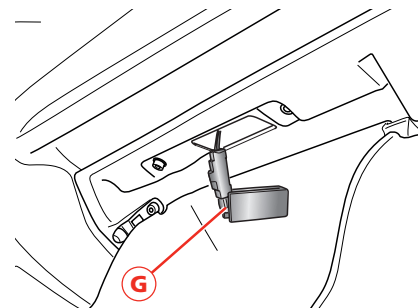
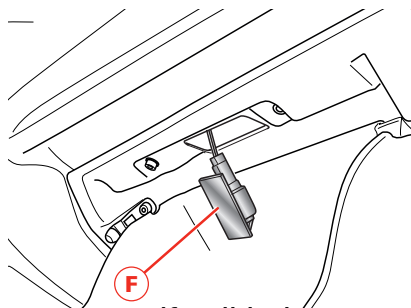
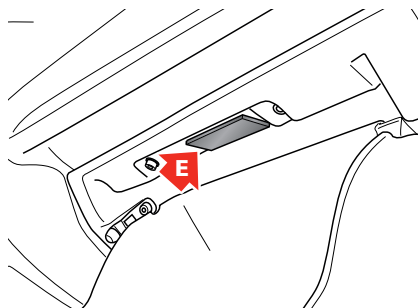
WARNING: When refitting the dome light, make sure that the electric wires are correctly positioned and do not interfere with the dome light edges and with the retaining tabs.



GLOVE COMPARTMENT LIGHT

To replace the bulb:

- 1) Remove the transparent cover by levering it out gently, using a screwdriver, at point **E**.
- 2) Raise the cover **F**.
- 3) Replace the bulb **G**.
- 4) Refit the cover, inserting first the two-tab side and then pressing on the other side.

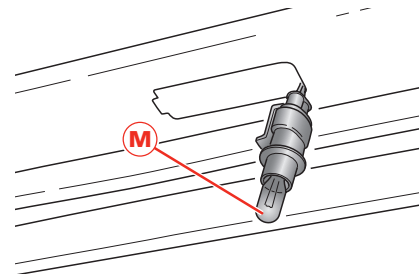
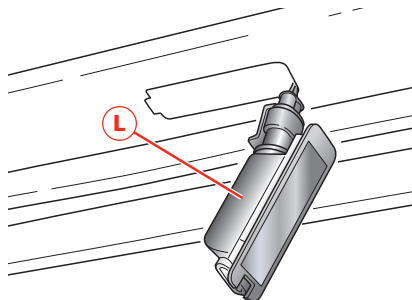
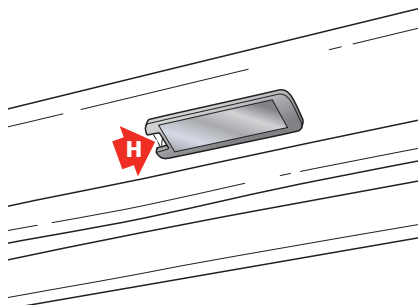


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COURTESY LIGHTS UNDER THE DOOR AND THE DASHBOARD

To replace the bulb:

- 1) Use a screwdriver positioned at point **H** to lever out the light fixing frame and remove it.
- 2) Turn the bulb holder **L** and remove it.
- 3) Replace the snap-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.



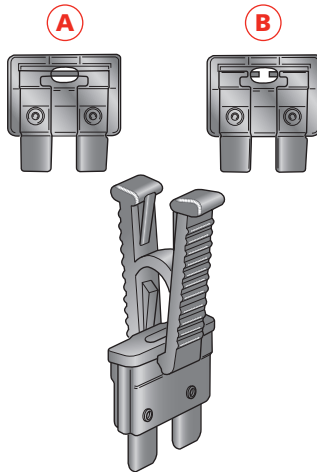
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IF A FUSE BLOWS

REPLACING THE FUSES

When an electrical device ceases to work, check that the corresponding fuse is in proper working order.

- A** - Fuse intact.
B - Fuse blown



Replace the faulty fuse with a new one featuring the same rating (same colour).

If the problem persists, contact an **Authorised Service Centre of the Manufacturer's Network**.



CAUTION
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.
- In the luggage compartment, next to the battery.

FUSE COLOURS

	<i>dark yellow</i>	<i>brown</i>	<i>red</i>	<i>light blue</i>	<i>yellow</i>	<i>white</i>	<i>green</i>
Ampere	A5	A7,5	A10	A15	A20	A25	A30

MAXI FUSE COLOURS

	<i>yellow</i>	<i>green</i>	<i>orange</i>	<i>red</i>	<i>blue</i>
Ampere	A20	A30	A40	A50	A60

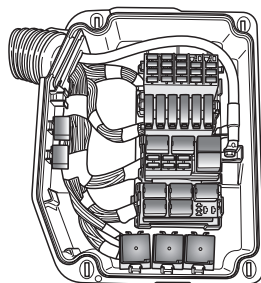
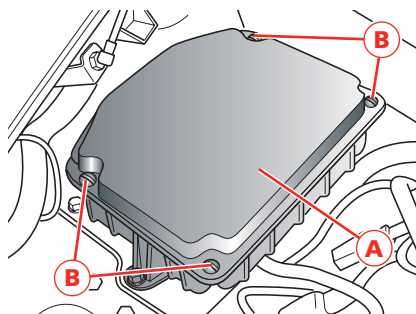
FUSES AND RELAYS IN THE ENGINE COMPARTMENT

To access the fuses/relays, lift the engine compartment lid and remove the cover **A** by undoing the four retaining screws **B**.

The fuses/relays are housed in 5 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.



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F27	F66	F23	F22	F28
F15	F95	F25	F24	F94
F19	F20	F21	F6	F16
F93	F91	F17	F18	F14

MF85	MF5	MF4	MF3	MF2	MF1
------	-----	-----	-----	-----	-----

R5	R4	R3
F10	F7	F8
F76	F11	F9
R20		R2

R9	R8	R6
R7	R24	R28

L44		
-----	--	--

R14	R16	R15
-----	-----	-----

Engine compartment relay

<i>Pos.</i>	<i>Type</i>	<i>Function</i>
R02	BOSCH micro-relay 20A	Injection main relay
R03	BOSCH micro-relay 10/20A	Immobilizer
R04	Micro-relay 20A	A.C. Compressor
R05	Micro-relay 30A	Headlight washers
R06	Micro-relay 20A	High beams
R07	Micro-relay 10/20A	Battery charger (switch)
R08	Micro-relay 20A	Horns
R09	Micro-relay 20A	DRL
R14	Maxi-relay 50A	Air pump
R15	Maxi-relay 50A	1 st speed fan
R16	Maxi-relay 50A	2 nd speed fans
R20	Micro-relay 20A	Side marker
R24	Micro-relay 10/20A	Start button
R28	Micro-relay 20A	Brake switch
L44	Micro-relay 30A	Starter motor

Engine compartment fuses

<i>Pos.</i>	<i>Amp.</i>	<i>Colour</i>	<i>System / Component</i>
MF01	Maxi 40A	Orange	+30 ABS (Pump)
MF02	Maxi 60A	Blue	Air pump
MF03	Maxi 40A	Orange	1 st speed fans
MF04	Maxi 50A	Red	2 nd speed fans
MF05	Maxi 40A	Orange	A/C unit
MF85	Maxi 60A	Blue	+30 front relay and fuse boxes
F06	20A	Yellow	+15 key (Ignition switch)
F07	30A	Green	Injection main relay, main relay coil
F08	7.5A	Brown	+30 Injection
F09	10A	Red	+87 main relay I.E.
F10	15A	Light blue	I.E. Secondary devices
F11	15A	Light blue	+87 main relay I.E.
F14	10A	Red	+15 I.E.
F15	15A	Light blue	DRL
F16	7.5A	Brown	A.C. Compressor
F17	10A	Red	Left-hand high beam
F18	10A	Red	Right-hand high beam

<i>Pos.</i>	<i>Amp.</i>	<i>Colour</i>	<i>System / Component</i>
F19	15A	Light blue	+30 Battery charger
F20	30A	Green	Headlight washers
F21	15A	Light blue	Horns
F22	10A	Red	+30 ABS (electronic unit) ESP 8.0
F23	7.5A	Brown	Brake switch, NA, NC, coil R8
F24	-	-	Position available
F25	30A	Green	+30 Starter motor
F27	15A	Light blue	+87 main relay I.E., Cyl. 5-8 coils
F28	25A	White	+30 ABS (solenoid valve unit) ESP 8.0
F66	7.5A	Brown	Front side markers, coils R20
F76	15A	Light blue	Fuse 87 Main relay for oxygen sensors
F91	7.5A	Brown	+15 Alternator, oil level sensor
F93	7.5A	Brown	+15 Start button
F94	-	-	Position available
F95	15A	Light blue	+30 alternator sensing

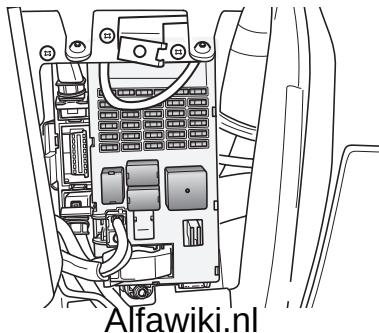
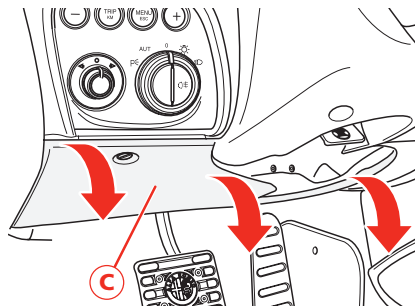
FUSES AND RELAYS IN THE PASSENGER COMPARTMENT, TO THE LEFT OF THE STEERING WHEEL

To access the fuses/relays, unscrew the 2 unlosable retaining screws and fold back the panel **C**.

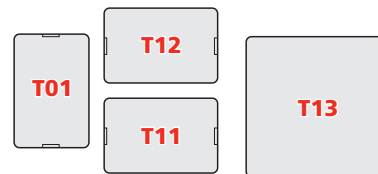
The fuses/relays are housed in 2 control boxes.

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

6



F-36	F-52	F-45	F-46	F-34
F-39	F-41	F-47	F-33	F-48
F-38	F-43	F-32	F-37	F-49
F-53	F-40	F-50	F-42	F-35
F-31	F-44	F-51	F-12	F-13



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Relays in the passenger compartment, to the left of the steering wheel

<i>Pos.</i>	<i>Type</i>	<i>Function</i>
T01	Micro-relay 30A	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

<i>Pos.</i>	<i>Amp.</i>	<i>Colour</i>	<i>System / Component</i>
F12	15A	Light blue	+30 Right-hand low beam
F13	15A	Light blue	+30 Left-hand low beam
F31	7,5A	Brown	INT/A For A.C. unit NBC (Body Computer Node)
F32	10A	Red	+30 dome lights, step lights, CAV, driver- and passenger-side footwell lights
F33	20A	Yellow	Position available
F34	20A	Yellow	Position available
F35	7,5A	Brown	+15 engine signals, coils R5, R6, SCC, door locking/unlocking control
F36	10A	Red	+30 NQS
F37	10A	Red	+15 NQS
F38	15A	Light blue	Rear luggage compartment lock

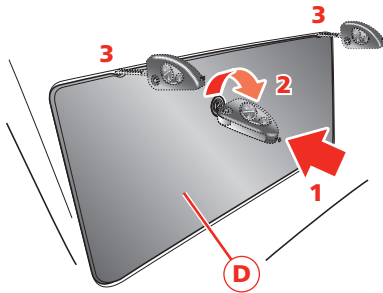
<i>Pos.</i>	<i>Amp.</i>	<i>Colour</i>	<i>System / Component</i>
F39	10A	Red	+30 NIM, NCL, EOBD, NTP, CSA, Clock
F40	30A	Green	Heated rear window
F41	15A	Light blue	Not used
F42	7.5	Brown	+15 weight sensors (USA only)
F43	30A	Green	Windscreen wipers
F44	20A	Yellow	Cigarette lighter (on centre console)
F45	25A	White	Not used
F46	15A	Light blue	Not used
F47	20A	Yellow	Not used
F48	20A	Yellow	Not used
F49	7,5A	Brown	+15 For centre console controls, control panel, rear-view mirror, emergency control light, NCL, AQS, fog sensor, coil R19.
F50	7,5A	Brown	+15 Airbag system
F51	7,5A	Brown	+15 NCR
F52	15A	Light blue	Position available
F53	10A	Red	+30 Rear fog lights

FUSE/RELAY CARRIER ECUS BEHIND THE PASSENGER SEAT

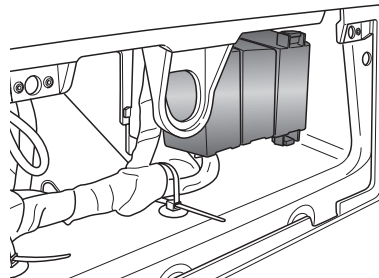
To access the fuses/relays, open the panel **D**.

- 1) Insert the key in the lock;
- 2) Turn it 90° clockwise;
- 3) Using a wrench prise at the two notches in the panel.

To close the panel **D** perform the operations described in points 1 and 2 in reverse order.



There are 3 relay and fuse boxes.



To access the fuses and relays inside the control boxes, remove the covers by levering up the fastening tabs.

R27	R19	R18
R25	R26	R17

MF72	MF81	MF71	MF70	MF69	MF68
------	------	------	------	------	------

F65	F54	F77	F56	F30
F96	F92	F98	F97	F80
F55	F64	F63	F61	F60
-	-	-	-	-

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Relays behind the passenger seat

Pos.	Type	Function
R17	BOSCH micro-relay 20A	1 st speed fuel pump
R18	BOSCH micro-relay 20A	2 nd speed fuel pump
R19	Micro-relay 20A	Reverse
R25	Micro-relay 20A	Glove compartment motor
R26	Micro-relay 20A	Third stop
R27	-	Position available

Fuses behind the passenger seat

Pos.	Amp.	Colour	System / Component
F30	30A	Green	+30 Hi-Fi system Amplifier
F54	20A	Yellow	+30 NCR
F55	-	-	Position available
F56	-	-	Position available
F57	-	-	Position available
F60	20A	Yellow	+30 lock actuators for NPG (Driver's Door Node) and NPP (Passenger's Door Node), right- and left-hand power window motor electronics
F61	-	-	Position available
F63	20A	Yellow	+30 Fuel pump

F64	7,5A	Brown	+30 Reverse gear
F65	7.5	Brown	+30 Third stop
F77	10A	Red	+30 Glove compartment motor
F80	25A	White	+30 Hi-Fi system (bass-box and subwoofer)
F92	10A	Red	+30 NCP
F96	-	-	Position available
F97	20A	Yellow	NPG Power Supply (Driver's door node)
F98	20A	Yellow	NPP Power Supply (Passenger's door node)
MF68	Maxi 40A	Orange	+30 soft top system / hydraulic pump
MF69	Maxi 40A	Orange	+30 EPB
MF70	Maxi 30A	Green	Q-Select gearbox pump
MF71	Maxi 50A	Red	Rear devices, Q-Select gearbox, Glove compartment motor, Third stop
MF72	Maxi 50A	Red	Rear devices 3, NPG, NPP, door locks, reverse gear, fuel pumps
MF81	Maxi 50A	Red	Rear devices 4 (Hi-Fi, power socket, NPG, NPP)

IF THE BATTERY IS FLAT

First of all, we recommend that you read the precautions contained in the section "Maintenance" to prevent the battery from running flat and to help ensure its long life.

STARTING WITH THE AUXILIARY BATTERY

See the chapter "Starting the engine" on page 126 in the section "Using the vehicle".

WARNING: Under no circumstance should a battery be used for an emergency start-up: This could damage the electronic systems, particularly the control units managing 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 instructions below:

- 1) Deactivate the electronic alarm using the radio control.
- 2) Remove the panel **A** by turning the 3 unlosable retaining screws **B** anticlockwise.

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

- 3) Connect the battery charger cables to the battery poles.

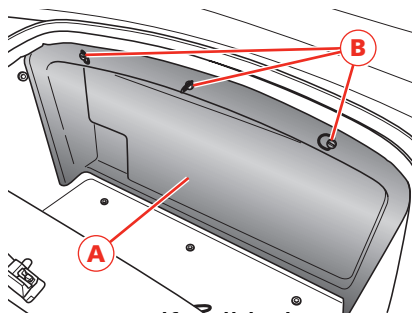
WARNING: The battery is housed in a metal box,

therefore, be extremely careful not to let the battery charger clips come into contact with it.

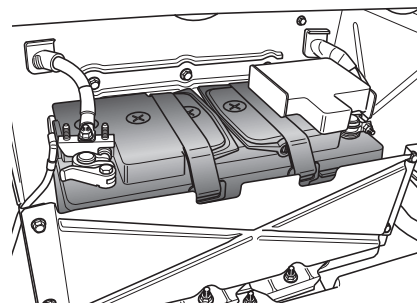
- 4) Turn on the battery charger.
- 5) When the battery is recharged, turn off the battery charger before disconnecting it from the battery.
- 6) Reconnect the terminals to the battery poles, observing the polarity.

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 or at least that it is in the STOP position.



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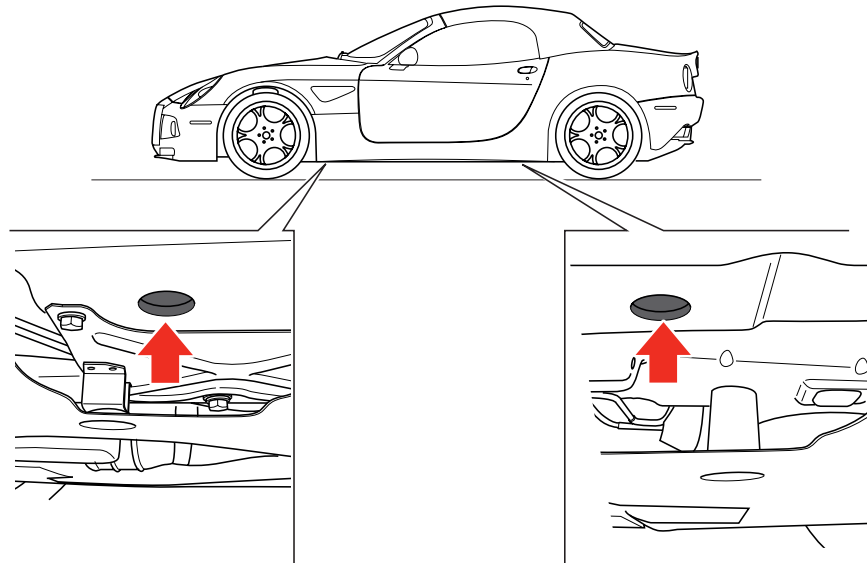


**CAUTION**

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 open flames or possible sources of sparks: risk of explosion and fire!

IF YOU HAVE TO JACK UP THE VEHICLE

If you need to jack up the vehicle, position the rubber bushings in correspondence to the arrows.



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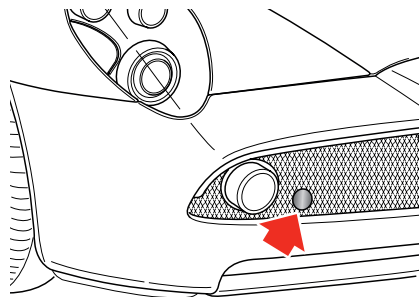
IF YOU HAVE TO TOW THE VEHICLE

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

- if possible, have the vehicle transported on a vehicle equipped with loading platform and specific for roadside assistance and recovery.

If this is not possible:

- Tow the vehicle for a stretch of less than 100 km at a speed below 60 km/h, using the towing hook provided in the toolkit.



To be able to tow the vehicle, you must:

- Turn the ignition key to **MAR** without starting the engine (see page 87)
- Engage neutral (position **N**) by simultaneously pulling the gearshift paddles **UP** and **DOWN** while holding the brake pedal depressed (see page 128)
- turn the key back to position **STOP**.



CAUTION
Do not extract the key, as the steering wheel will lock automatically and you will be unable to steer the wheels.



CAUTION
When towing the vehicle, make sure that you observe the road traffic regulations concerning both the towing device and driving conduct.



CAUTION
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.



CAUTION
Screw down the towing hook into its seat (approx. 11 turns). Accurately clean the threaded seat before tightening the hook.

WARNING: If you have to tow the vehicle with 2 wheels raised, ensure that the ignition key is in the **STOP** position. Otherwise, when the VDC is active, the relative ECU will store a malfunction, which will cause the illumination of the warning light  on the instrument panel display. This requires the intervention of an **Authorised Service Centre of the Manufacturer's Network** to correct the system malfunction.

IN THE EVENT OF AN ACCIDENT

It is important always to stay calm.

- If you are not directly involved, stop at a distance of at least ten metres away from the accident area.
- If you are on a highway, stop without obstructing the emergency lane.
- Turn off the engine and turn on the hazard warning 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 highways, use the special emergency 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 highways, particularly where visibility is poor, there is a high risk of being involved in other collisions. Leave your vehicle immediately and move away from it.

IF THERE ARE INJURED PERSONS

- Never leave an 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 aids are on the way and stay close to them to help with possible panic attacks.
- Unfasten or cut the seat belts restraining the injured persons.
- Do not give the injured persons anything to drink.
- The injured person should never be moved.
- Remove the injured person from the vehicle only 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, bend his/her head and, as far as possible, keep the body in a horizontal position.

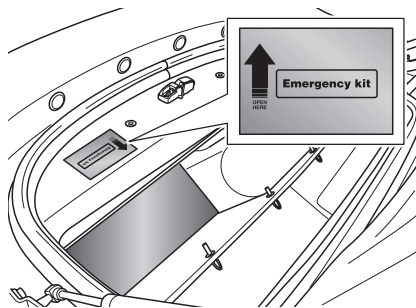
FIRST-AID KIT

Housed in the storage box in the luggage compartment it contains the following material:

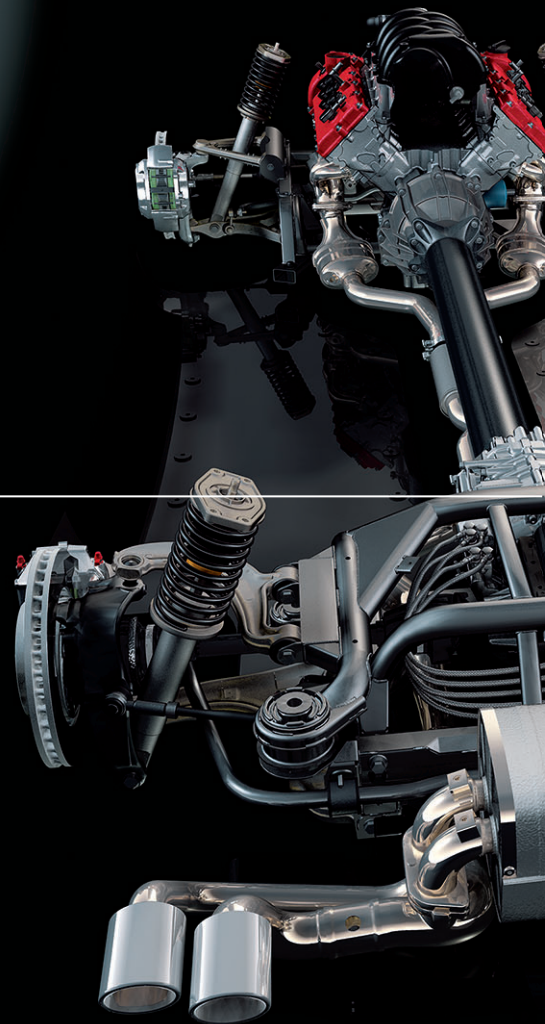
- sterile gauze to cover and clean the wounds
- bandages of various size
- treated adhesive bandages of various sizes
- an adhesive bandage strip
- a pack of cotton wool
- a bottle of disinfectant
- a packet of paper cleaning tissues
- a pair of rounded-end scissors

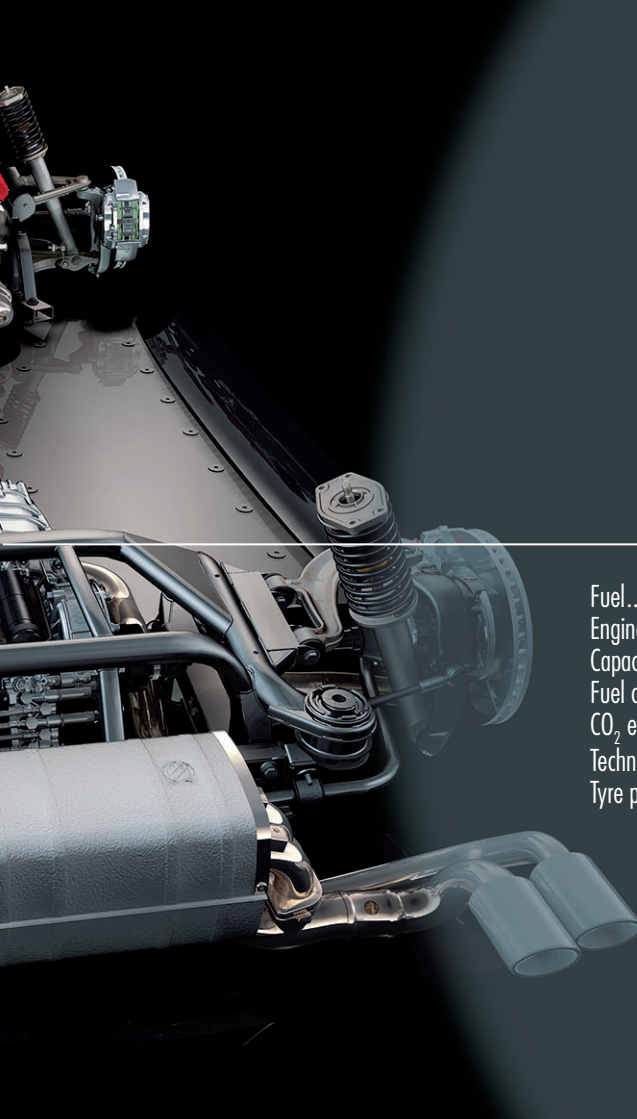
- tweezers
- two haemostatic tubes.

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



VEHICLE IDENTIFICATION DATA
ACTIVE AND PASSIVE SAFETY
INSTRUMENTS AND CONTROLS
BEFORE YOU DRIVE
USING THE VEHICLE
IN AN EMERGENCY
CAPACITIES AND TECHNICAL SPECIFICATIONS
MAINTENANCE
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CAPACITIES AND TECHNICAL SPECIFICATIONS

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CO ₂ exhaust emissions.....	189
Technical specifications	190
Tyre pressure.....	196

FUEL

Only use unleaded premium fuel with an octane number (R.O.N.) of no less than 95.

Tank capacity: approx. 80 litres, including a 14 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. You would irreparably damage the catalytic muffler.

WARNING: An inefficient catalytic muffler results in noxious exhaust emissions which are harmful for the environment.

ENGINE OIL

To check the level, please consult 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

<i>Parts to be refilled</i>	<i>Quantity</i>	<i>Product specifications</i>
Fuel tank (including low fuel sector)	approximately 80 litres	Premium unleaded fuel with no less than 95 R.O.N.
Fuel reserve	approximately 14 litres	
Engine oil:		Entirely synthetic multigrade lubricants SAE 5W/40 that meet API SL/CF and ACEA A3, B3, B4 specifications.
- replace at regular intervals	9.0 litres	Recommended oil: Selenia Motor Oil (*).
- top up from the MIN to the MAX level	1.5 litres	WARNING: Do not top up with oil whose specifications differ from those of the oil already used in the engine. WARNING: Engine oil consumption depends on the driving style and the conditions in which the vehicle is used.
Windscreen/headlight washer fluid tank	6.5 litres	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 fluid: TUTELA PROFESSIONAL SC 35 - Contractual Technical. Reference No. F201.D02 WARNING: If the temperature is below -20°C , use pure detergent fluid.

(*) For periodical replacement as provided for by the Maintenance Schedule or for any topping-up, contact the Authorised Service Centres of the Manufacturer's Service Network to have the proper products used.

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<i>Parts to be refilled</i>	<i>Quantity</i>	<i>Product specifications</i>
Engine cooling circuit	12.5 litres	Mix of water and coolant, in the proportions indicated on the product package. Coolant: inhibited monoethylene glycol-based protective fluid with anti-freezing action: CUNA NC 956-16. Recommended fluid: PARAFU UP - Contractual Technical - Reference No. F101.M01
Hydraulic power steering	-	Oil type: ATF DEXRON II D LEV, SAE 10W. Oil Type ATF Type A - MB 236.2 - ZF ML09/12 Recommended oil: TUTELA GI/A - Contractual Technical - Reference No. F002.B92
Gearbox	2.7 litres	SAE 75W/90 above API GL4-GL5C API, MT1-PG2 specifications Recommended oil: TUTELA SPORT ZC SUPREME
"Q-Select" system	~0.5 litres	Oil type: CHF Recommended oil: TUTELA GI/R - Contractual Technical - Reference No. F428.H04
Braking system	-	Synthetic fluid: NHTSA No. 116 DOT 4, ISO 4925, SAE J1703 J1704, CUNA NC 956-01. SAE J1703, FMVSS No. 116 DOT 4 and ISO 4925 Recommended fluid: TUTELA TOP 4 - Contractual Technical - Reference No. F001.A93
Air conditioning coolant	600 g	R134a
Air conditioning compressor oil	200 cc (+20/-10 ml)	Type RL - 897 SAE J2297/98/99

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 followed for fuel consumption measuring are described below:

- **City cycle:** This test begins with a cold start, followed by simulation of an urban route;
- **Highway 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
- **Average fuel consumption:** This is calculated considering a route consisting of about 37% city cycle and 63% highway cycle.

CONSUMPTIONS ACCORDING TO EC 715/2007 AND EC 692/2008 REGULATIONS (LITRES PER 100 KM)

<i>City</i>	<i>Highway</i>	<i>Average</i>
24,4	11,6	16,3

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.

CO₂ EXHAUST EMISSIONS

The CO₂ exhaust emission ratings shown in the following table refer to an average fuel consumption.

CO₂ EMISSION ACCORDING TO EC 715/2007 AND EC 692/2008 REGULATIONS (G/KM)

<i>City</i>	<i>Highway</i>	<i>Average</i>
567	270	379

TECHNICAL SPECIFICATIONS

ENGINE

General

Type code		AR8C
Cycle		Otto
Cylinder number and position		V 8 - 90°
Number of valves per cylinder		4
Bore and stroke	mm	94x84.5
Total displacement	cm ³	4,691
Compression ratio		11.25±0.2
Maximum power (EC)	kW	331
	HP	450
corresponding RPM	RPM	7,000
Maximum torque (EC)	Nm	480
	kgm	49
corresponding RPM	RPM	4,750

INJECTION - IGNITION

The ignition and injection system is controlled by a single microprocessor ECU.

Injection

- Type Bosch Motronic ME7.1.1.

Ignition

- Static ignition
- Ignition sequence: 1-8-6-2-7-3-4-5
- Ignition coil:
ELDOR 78407003.C00
- Spark plugs: NGK PMR8C-H.

Battery

FIAMM 12V 100Ah 850A

Electric alternator

NIPPONDENSO SC2 150A

LUBRICATION SYSTEM

The lubrication system uses a wet sump system and oil pump with 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*Clutch*

Dry double-plate clutch with servo-assisted hydraulic control.

GEARSHIFTING

Six forward speeds and one reverse.

<i>Gear</i>	<i>Gearbox ratios</i>
1 st gear	3.214
2 nd gear	2.050
3 rd gear	1.435
4 th gear	1.107
5 th gear	0.903
6 th gear	0.757
Reverse	3.286

Differential

The ratios are:

Differential reduction ratio	4.182
------------------------------	-------

BRAKES

Service and emergency brakes

The braking system is composed of carboceramic (CCM) disc brakes on all four wheels.

This application has contributed to improving all the performance parameters during braking (improved deceleration/pedal load ratio, braking distances, resistance to fading) and considerably reducing the

unsprung weights.

The hydraulic circuits have crossed branching and are independent for the front and rear brakes. Therefore, should one of the circuits fail, emergency braking is always possible with the efficient circuit.

The vacuum brake servo and the hydraulic control unit, equipped with solenoid valves and scavenge pump, are activated in the event that the wheels lock adjusting the pressure on the calipers (ABS system).

In addition, the hydraulic control unit is equipped with a microprocessor capable of processing a braking correction (EBD system).

Finally, the braking system is equipped with an electric parking brake (EPB) that acts on the rear wheels. It is automatically engaged when the engine is turned off and it is disengaged when, with the engine running, the accelerator pedal is depressed.

It can also be manually engaged by raising the lever positioned on the central fixing plate of the centre console, see page 149.

**CAUTION**

If you frequently drive in high-performance conditions, periodically have the efficiency of the carboceramic braking system checked at the Authorised Service Centres of the Manufacturer's Network.

SUSPENSION*Front and rear*

Articulated quadrilateral suspension.

STEERING

Rack and pinion hydraulic steering, with pump driven by the drive shaft and tank. Articulated steering column, with energy absorption and adjustable inclination and height.

- Steering diameter = 10.7 m
- Number of steering wheel turns = 1.3
(to the left and right)

WHEELS*Wheel rims and tyres*

	<i>Wheel rim size</i>	<i>Tyre size</i>
front	8.5"J x 20"	245/35 ZR20
rear	10.5"J x 20"	285/35 ZR20
*front	8.5"J x 20"	245/35 ZR20 VM+S
*rear	10.5"J x 20"	275/35 ZR20 VM+S

* Winter tyres

**CAUTION**

Alternatively, you may use winter tyres having the same dimensions as those provided with the vehicle.

**CAUTION**

When winter tyres are fitted, it is advisable not to exceed a speed of 220 km/h. Always observe the regulations in force in the country where you are driving and follow the instructions provided by the tyre manufacturer.

Spare wheel (Japan only)

Alloy wheel rim.

<i>Tyre size</i>	<i>Tyre brand</i>
175/55 R18	VREDESTEIN

Snow chains

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

Rear tyre	Snow chains: brand/type
285/35 ZR20	Konig Supermagic

WARNING: The snow chains must be fitted only on the rear tyres. To purchase snow chains contact an Authorised Service Centre of the Manufacturer's Network.

PERFORMANCE

Maximum speed	Km/h	mph
	292	181



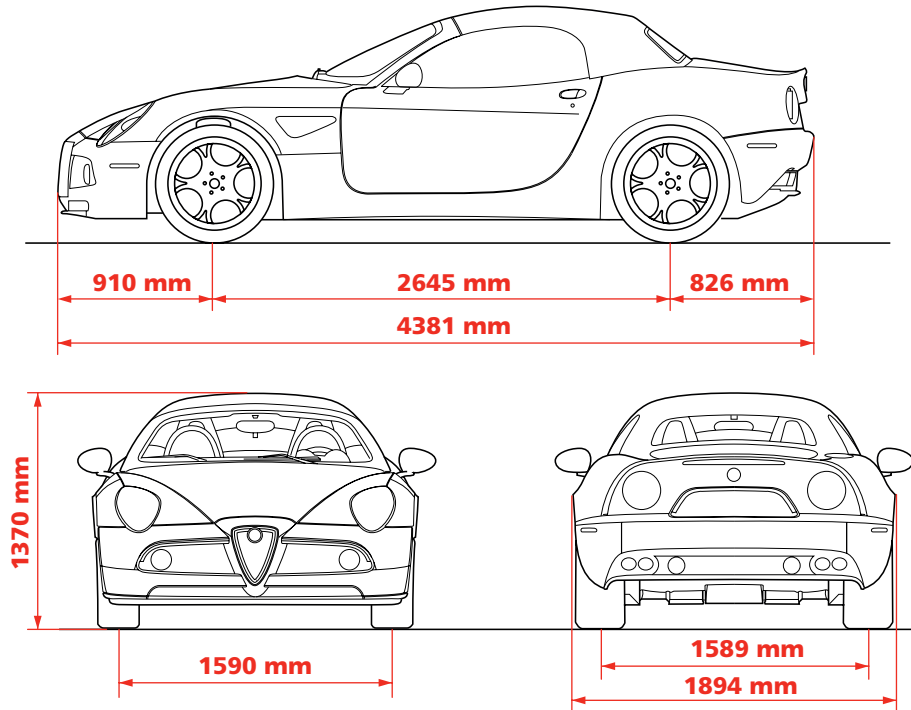
CAUTION

When winter tyres are fitted, it is advisable not to exceed a speed of 220 km/h. Always observe the regulations in force in the country where you are driving and follow the instructions provided by the tyre manufacturer.

Accelerations with standing start (in seconds)	0-100 Km/h	0-400 m
	4.5 sec.	12.9 sec.

WEIGHTS

Weights	
Unladen vehicle weight (with fluids, tools and accessories)	1,675 kg
Weight with full load (2 passengers and luggage)	1,855 kg

DIMENSIONS

TYRE PRESSURE

Tyre inflation pressure when cold (bar).

	Wheel rim size	Tyre size	Inflation pressure when cold (bar)
front	8.5"J x 20"	245/35 ZR20	2.2
rear	10.5"J x 20"	285/35 ZR20	2.0
*front	8.5"J x 20"	245/35 ZR20 VM+S	2.2
*rear	10.5"J x 20"	275/35 ZR20 VM+S	2.0

* Winter tyres



CAUTION

Alternatively, you may use winter tyres having the same dimensions as those provided with the vehicle.

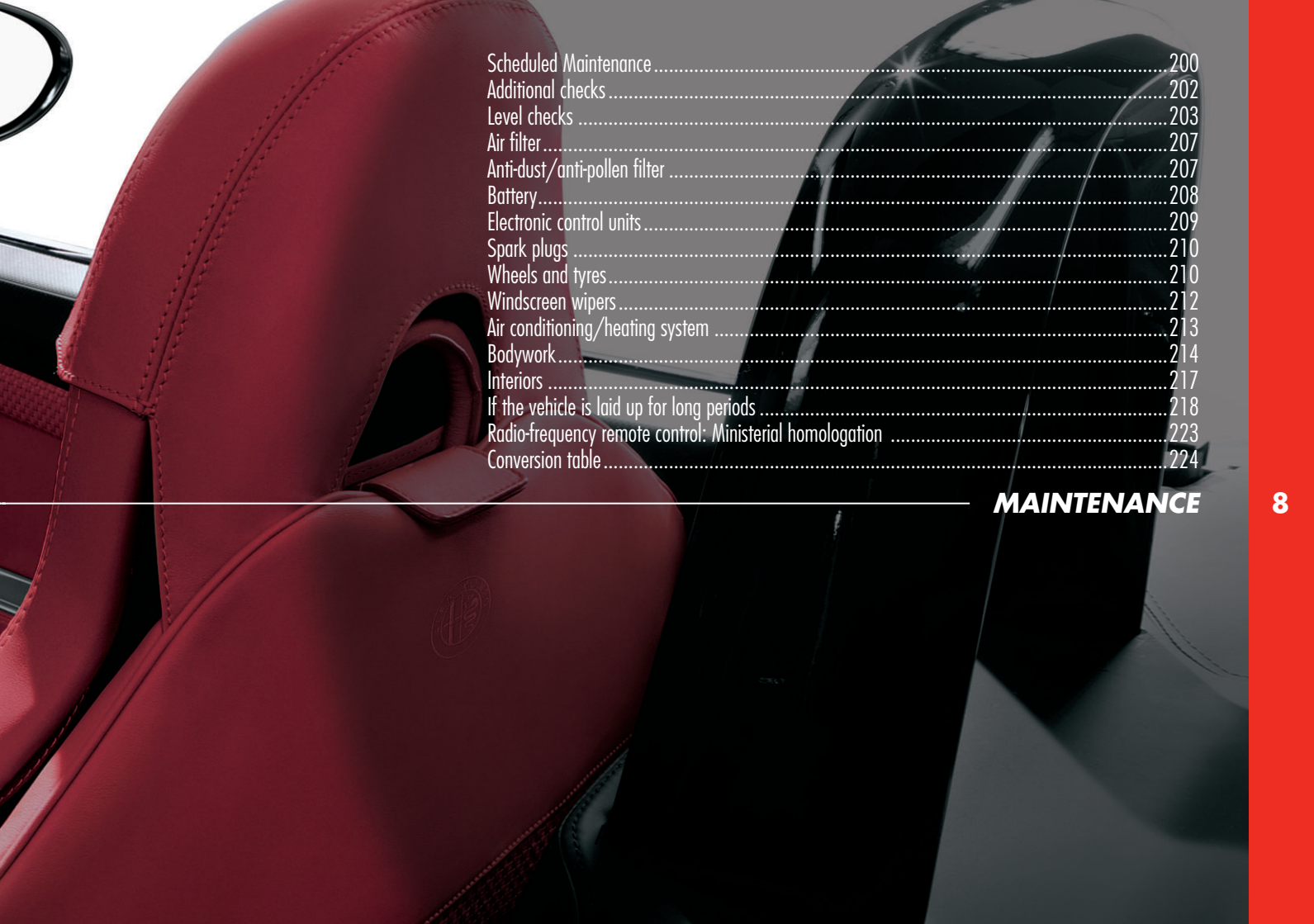


CAUTION

When winter tyres are fitted, it is advisable not to exceed a speed of 220 km/h. Always observe the regulations in force in the country where you are driving and follow the instructions provided by the tyre manufacturer.

The background image shows the interior of a car. The dashboard is black with a textured finish. There are two circular air vents on the right side of the dashboard. The center console has a gear shift and a handbrake. The seats are red leather with black stitching. The steering wheel is partially visible on the left side.

VEHICLE IDENTIFICATION DATA
ACTIVE AND PASSIVE SAFETY
INSTRUMENTS AND CONTROLS
BEFORE YOU DRIVE
USING THE VEHICLE
IN AN EMERGENCY
CAPACITIES AND TECHNICAL SPECIFICATIONS
MAINTENANCE
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MAINTENANCE

SCHEDULED MAINTENANCE

Correct maintenance is clearly the best way to maintain 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 the validity of the warranty.

For this reason, **Alfa Romeo** has provided for a series of checks and maintenance operations involving the 1st service when the vehicle mileage reaches 5,000 km or after 6 months of the vehicle life, and subsequently every 10,000 km or every year.

AFTER THE 1¹TH SERVICE

After the 1¹th service, scheduled maintenance is restarted with the same operations performed for the 1st, 2nd, 3rd Services

WARNING: The Scheduled Maintenance services are prescribed by the Manufacturer. Failure to have the services carried out invalidates the warranty.

Scheduled Maintenance Services are provided by all **Authorised Service Centres of the Manufacturer's 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: We advise you to immediately report to an **Authorised Service Centre of the Manufacturer's Network** any small operating failures and not to wait for the next service.

The Maintenance Schedule is contained in the "Warranty and Maintenance Schedule" book.

The Scheduled Maintenance operations are indicated on the display up to the ninth service when the due date is approaching; this value is shown in kilometres.

The message is displayed only once, upon activating the instrument panel, at decreasing intervals expressed in Km (2000, 1800, ... 100, 50).

Once the set limit in kilometres is reached, every time the instrument panel is turned on thereafter, the message "Service Stop expired" will be displayed.

Selecting the "Service" function from the Setup menu, you can view when the next service is due (see page 48).

ADDITIONAL CHECKS

Every 500 km or before long journeys, check and if necessary correct:

- engine coolant level
- 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) when the external temperature is below zero;
- engine running frequently at idle or without reaching stabilised temperatures, replace the engine oil more frequently than indicated in the Maintenance Schedule.

WARNING - AIR FILTER

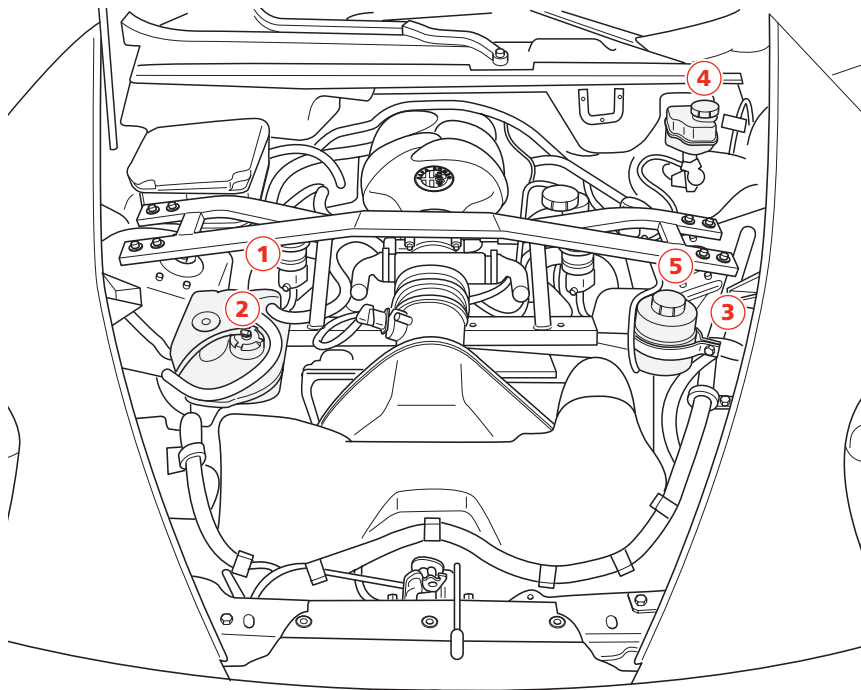
When using the vehicle on dusty roads, replace the air filters more frequently than indicated in the Maintenance Schedule.

If you have any doubts about the frequency for engine oil and air filter replacements, in the relation to the vehicle conditions of use, contact an **Authorised Service Centre of the Manufacturer's Network**.

WARNING: The vehicle must be serviced by an **Authorised Service Centre of the Manufacturer's Network**. For routine and minor maintenance operations or small repairs which you can carry out yourself, make sure that you always use the right equipment, genuine **Alfa Romeo** spare parts and the recommended fluids. In any case, never perform these operations if you have no experience.

LEVEL CHECKS

- 1) Engine oil
- 2) Engine coolant
- 3) Windscreen washer fluid
- 4) Brake fluid
- 5) Power steering fluid



ENGINE OIL

The level must be checked when the engine is warm, following the procedure below:

- start the vehicle and warm it up until the temperature stabilises;
- turn off 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** notches on the dipstick.

The interval between **MIN** and **MAX** corresponds to approximately 1.5 litres of oil.

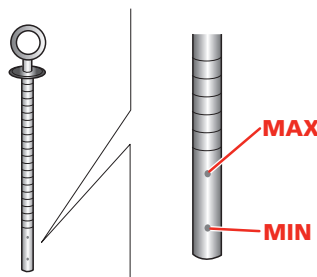
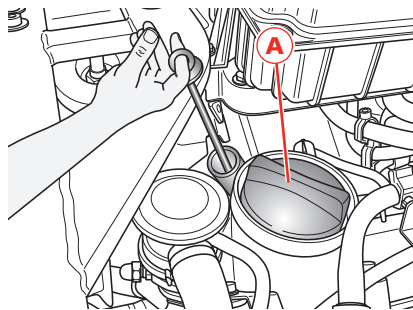
WARNING: Do not exceed the **MAX** level!

If the oil level is close to or below the **MIN** notch, add oil through the filler neck **A** positioned next to the dipstick until reaching the **MAX** notch. The oil level must never exceed the **MAX** reference notch.

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

After topping up or replacing the oil, check its level once again.

WARNING: The engine oil used and the oil filter changed contain substances that are dangerous for the environment. To replace the oil and filters, we advise you to contact an **Authorised Service Centre of the Manufacturer's Network** where all the necessary equipment is available to dispose of the used oil and filters in compliance with applicable legislation and in an environment-friendly manner.



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GEARBOX OIL

Have the oil level checked at an **Authorised Service Centre of the Manufacturer's Network**.

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

WARNING: Waste transmission oil contains substances that are dangerous for the environment. To have the oil changed, we advise you to contact an **Authorised Service Centre of the Manufacturer's Network**, where all the necessary equipment is available to dispose of the used oil and filters in compliance with applicable legislation and in an environment-friendly manner.

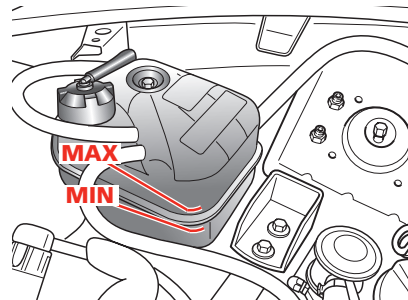
ENGINE COOLANT



CAUTION
When the engine is very hot, do not remove the cap from the pan: risk of burns!

The fluid level must be checked with the engine cold and must be between the **MIN** and **MAX** reference notches visible on the tank.

If the level is too low, slowly pour the recommended fluid through the pan filler neck until the level is near to the **MAX** reference notch.



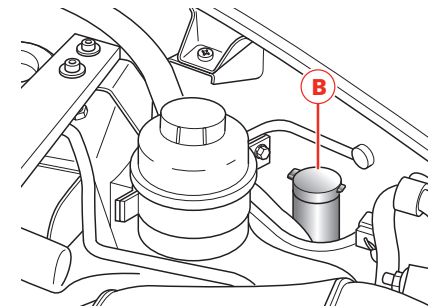
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WINDSCREEN/ HEADLIGHT WASHER FLUID

For topping-up, open the cover **B**, extract the filler neck extension and pour in a mixture of water and detergent in the proportion indicated on the package.

WARNING: If the temperature is below 20°C, use pure detergent fluid.

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



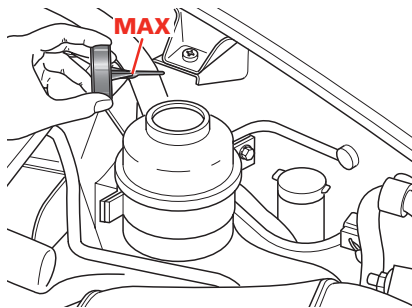
POWER STEERING FLUID

WARNING: Make sure that the power steering fluid does not come in touch with the engine hot parts as it is flammable.

Check that the fluid level, with the vehicle on a level ground and the engine cold, is in position with the **MAX** notch shown on the dipstick.

For inspection, 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 also exceed the **MAX** notch.

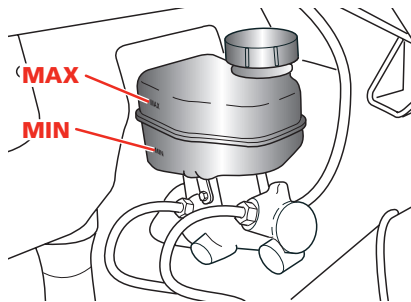


If necessary, top up with fluid making sure that it has the same characteristics as the one already used in the system.

BRAKE FLUID

Check that the fluid level in the tank is at the maximum level. If the level goes below the minimum, with the ignition key in position **MAR**, the relative warning light (⚠) will illuminate on the instrument panel.

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



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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 Maintenance Schedule.

WARNING: Do not let the brake fluid, which is highly corrosive, come into contact with the paintwork. If this should happen, wash the paintwork immediately with water.

WARNING: The symbol (Ⓢ) on the container identifies the synthetic type of brake fluid, distinguishing it from the mineral type. Using mineral fluids irreparably damages the special rubber linings of the braking system.

AIR FILTER

Have the air filter replaced at an **Authorised Service Centre of the Manufacturer's Network**.

ANTI-DUST/ANTI-POLLEN FILTER

This filter performs mechanic/electrostatic air filtering, provided that windows and doors are fully closed.

Have the anti-pollen/dust filter replaced at least once a year, at an **Authorised Service Centre of the Manufacturer's Network** preferably at the beginning of the warm season.

If the vehicle is mainly used in the city traffic, on highways or dusty roads, we recommend that you replace the filters more frequently than prescribed in the Maintenance Schedule.

WARNING: Failure to replace the filter may considerably reduce the air conditioning and heating system efficiency.



CAUTION
*We advise you to have the anti-pollen/dust filter replaced at an **Authorised Service Centre of the Manufacturer's Network**.*

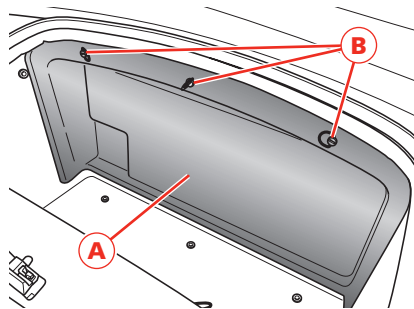
BATTERY

The battery is the “low maintenance” type and is positioned in the luggage compartment.

To access the battery, remove the panel **A** by turning the 3 unlosable retaining screws **B** anticlockwise

With the vehicle standing on a flat surface, the battery fluid level (electrolyte) must be between the **MIN** and **MAX** reference notches shown on the battery.

If the level is lower than the **MIN** reference notch, contact an **Authorised Service Centre of the Manufacturer's Network** to have it checked.

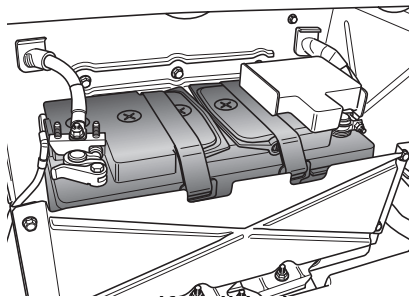


To recharge the battery, see the section “In an emergency”.



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

Batteries contain substances that are very harmful for the environment. We advise you to have the battery replaced at an **Authorised Service Centre of the Manufacturer's Network**, where all the necessary equipment is available to dispose of the used parts in



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compliance with applicable legislation and in an environment-friendly manner.

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

USEFUL HINTS FOR EXTENDING THE LIFE OF THE BATTERY

When parking the vehicle, make sure that the doors, luggage and engine compartment lids are properly closed. All interior lights should be off. When the engine is 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: this will reduce its performance and starting power and the battery will be more subject to freezing (this can happen even at -10°C).

We recommend that you have the battery charge condition checked, preferably at the beginning of the cold season, to prevent the electrolyte from freezing.

This check should be performed 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 fitted "after market".

If the vehicle is not used for long periods of time, please refer to chapter "If the vehicle is laid up 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 the event 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 (see page 178 "If the battery is flat").

WARNING: When the battery is disconnected, you must first detach the negative pole terminal (–) and then the positive pole one (+).

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

WARNING: When the battery is reconnected, you must first attach the positive pole (+), remembering to cover it with the cap provided, and then the negative one (–).

- Never perform the emergency starting procedure using a battery charger: always use an auxiliary battery.
- Take special care when connecting the battery to the electrical system, checking both that polarity is correct and that the connection is properly working.
- Do not connect or disconnect the terminals of the ECUs when the ignition key is at **MAR**.
- Do not check the electric polarities through sparking.
- Disconnect the ECUs in the event of electrical welding on the vehicle body. Remove them if the temperature is over 80°C (special interventions on the bodywork, etc.).

WARNING: Incorrect installation or modifications to the audio 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 malfunctions 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 to help ensure engine performance and to keep polluting emissions to a minimum level.

WARNING: The spark plugs must be changed at the intervals specified in the Maintenance Schedule. Only use the recommended spark plugs: faults may arise if the heat rating is unsuitable, or if the specified duration is not guaranteed.

WHEELS AND TYRES

To obtain the best performances and the longest tyre life, comply with the following precautions during the first 500 Km:

- *do not drive at maximum permitted speed*
- *drive on curves at low speed*
- *avoid sudden steering*
- *avoid sudden braking*
- *avoid sudden accelerations*
- *do not drive long 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.

Tyre inflation pressure must correspond to the prescribed values and should be checked only when the tyres are cold: the pressure increases as the tyre temperature progressively increases.

Never reduce the pressure if tyres are warm.

Insufficient tyre inflating pressure can cause tyre overheating and possible internal damages, which may even lead to the tyre destruction.



CAUTION

Check the tyre inflating pressure at least every two weeks and before long trips.

Impacts with kerbs, holes, and obstacles in the road, as well as 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 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.



CAUTION

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.



CAUTION

Never fit tyres of uncertain origin.



CAUTION

“Directional” tyres have an arrow on their side showing the rolling direction. To maintain optimal performance when replacing a tyre, make sure that the rolling direction corresponds to the one marked by the arrow.

 **CAUTION**
During the tyre life, the rolling direction of the first fitting shall always be observed, also in case of "non-directional" tyres.

 **CAUTION**
Check the depth of the tyre tread at regular intervals (minimum allowed value 1.6 mm). The thinner is the tread, the greater is the risk of skidding.

 **CAUTION**
Drive carefully on wet roads to decrease the risk of aquaplaning.

WINDSCREEN WIPERS

Clean the rubber parts regularly using the appropriate products.

Change the blades if the edge of the rubber is deformed or worn. In any case, the blades should be changed about once a year.

 **CAUTION**
Travelling with worn wiper blades is very dangerous because it reduces the visibility in the event of poor atmospheric conditions.

 **CAUTION**
The arms of the wiper blade have to be replaced with new ones after having disassembled them twice. The special arm fixing system ensures optimal mechanical stability only after the first two refitting operations, provided that the specified tightening torque is observed.

 **CAUTION**
We advise you to have any operations involving removal of the windscreen wiper arms performed at an Authorised Service Centre of the Manufacturer's Network.

Some simple measures may reduce the possibility of damage to the blades.

- In the case of temperatures below zero °C, check that ice has not stuck the rubber part against the windscreen glass. If necessary, release with an anti-ice product.
- Remove any snow on the windscreen: as well as protecting the blades, this avoids forcing and overheating the electric motor.
- Do not activate the windscreen wipers when the windscreen is dry.

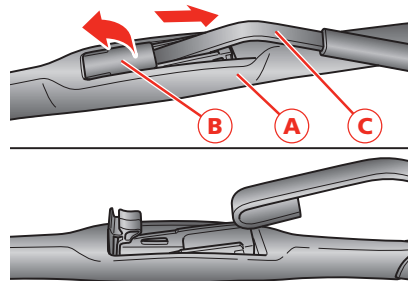
SPRAY NOZZLES

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 WIPER BLADES

- 1) Release the blade **A** by lifting the catch **B**.
- 2) Slide the blade **A** to the right to remove it from the arm. **C**.
- 3) Fit the new blade working in reverse order.

WARNING: When replacing the blade, be careful not to damage the bodywork or the blade itself.



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AIR CONDITIONING/HEATING 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 at an **Authorised Service Centre of the Manufacturer's 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 the corrosion phenomena are:

- atmospheric pollution
- salinity and humidity in the atmosphere (sea areas or humid climate)
- seasonal environmental conditions.
- salt scattered on the road surface to melt ice and snow.

The abrasive action of atmospheric dust and wind-carried sand, mud and stones should not be underestimated.

For your vehicle, **Alfa Romeo** has adopted the best technological solutions to protect the bodywork from corrosion.

The main measures are:

- Paint products and systems that provide the vehicle with high-resistance features against corrosion and abrasion.
- Use of galvanized (or pre-treated) metal sheets whose most exposed parts are highly resistant against corrosion.
- Spraying of the underbody, engine compartment, internal part of the wheelhouse and of other parts using highly protective wax products.
- Spraying of the plastic material most exposed parts with protective function: under the doors, inside part of the mudguards, edges, etc.
- Use of ventilated box sections treated with wax products, to prevent water condensation and pooling, which may lead to the internal formation of rust.

TIPS FOR KEEPING THE BODYWORK IN GOOD CONDITION

Paint

Paint 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 that you 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 the genuine products indicated on the label applied on the engine compartment lid.

Normal paint maintenance consists in washing, the frequency of which depends on the conditions of use and of the environment. For example, in areas where there is high atmospheric pollution or if 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.

For correct washing:

- Wet the bodywork with a low-pressure water jet.
- Run a sponge soaked in a neutral detergent solution over the bodywork, remembering to rinse the sponge frequently.
- Thoroughly rinse with water and dry with a jet of air or suede.

When drying, take particular care with the parts that are less visible, such as the door bays, front lid, 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 hood 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 regular intervals with a suitable product leaving a protective film on the paint.

Windows and rear window

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.

CLEANING THE TOP

The functional and aesthetic lifetime of the soft top depends on proper care and appropriate use. Improper handling and use may compromise soft top efficiency.

Normally, the soft top does not have to be washed every time the vehicle is washed. It is normally sufficient to rinse it with water.

Washing



CAUTION
Do not use high-pressure cleaning systems to wash the soft top.

WARNING: Use water and soft brushes; do not use hard-bristle brushes.

It is always advisable to handwash the soft top with the vehicle parked in the shade and to avoid exposure to the sun.

- Remove the dirt residues using a vacuum cleaner;
- Thoroughly wash the canvas with water and a neutral shampoo specifically for soft tops.

WARNING: Do not use solvents, alcohol, petrol or generic detergents to clean the soft top.

- Leave the product to act for a few minutes;

- Then rinse thoroughly until all traces of foam have been removed;
- Let the canvas dry.

WARNING: A second wash might be necessary. Wait until the canvas is completely dry before deciding on a second wash.

- When the canvas has dried, finish the cleaning treatment by rinsing the soft top with a product containing fluorocarbons to make the canvas water-repellent.

WARNING: If you do not perform this treatment, the canvas will more rapidly get stained

WARNING: A series of specific products for soft top washing are available at the **Authorised Service Centres of the Manufacturer's Network.**

WARNING: The vehicle may not be washed with high-pressure water jet systems be it a manual nozzle or an automatic car wash with turning rollers.

Protective treatment

WARNING: A series of specific products for soft top treatment are available at the **Authorised Service Centres of the Manufacturer's Network**.

WARNING: To ensure a longer functional and aesthetic life of the soft top, follow the instructions given in the Maintenance Schedule. Have the protective treatment done at the **Authorised Service Centres of the Manufacturer's Network**, who have specifically designed products available.

ENGINE COMPARTMENT

At the end of each winter season, carefully wash the engine compartment, remembering to not direct the jet of water for too long on the ECUs 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

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 oxidise.

CLEANING THE LEATHER UPHOLSTERY

- Remove the dried dirt with a slightly damp deerskin or a cloth, without rubbing too hard.
- Remove any liquid or grease stains with a dry absorbent cloth, without rubbing.
- Then run a soft cloth or deerskin dampened with water and neutral detergent.
- If the stain persists, use specific products carefully following the instructions for use.

WARNING: Never use alcohol, alcohol-based products or solvents.

To clean the interior a specific kit is available that can be ordered from **Authorised Service Centres of the Manufacturer's Network**.

It is in any case advisable to use the Car Care Kit (specifically for cleaning leather) included in the Alfa Romeo accessory line. The kit cannot be used on suede.

LEATHER UPHOLSTERY TREATMENT

Have the leather upholstery treated according to the Maintenance Schedule and only at an **Authorised Service Centre of the Manufacturer's Network**, where the specific products required for the treatment are available.

CARBON PARTS

Have small scratches and marks on the carbon structure removed by an **Authorised Service Centre of the Manufacturer's Network**. Improper operations may irreparably damage the carbon parts.



CAUTION
Do not use aggressive organic substances, such as: petrol, kerosene, petroleum, acetone or solvents.

IF THE VEHICLE IS LAID UP FOR LONG PERIODS

- If the vehicle is not used for several months, take the following precautions:
- Wash and dry the vehicle thoroughly.
- Store the vehicle in a covered, dry and, if possible, ventilated area.
- Engage a gear.
- Disconnect the battery (see page 178).
- 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 electric parking brake is not applied.
- Clean and protect the painted parts applying protective waxes.
- Clean and protect polished metal parts with specific products available on the market.
- Talc the windscreen wiper blades and raise them from the windscreen.
- Cover the vehicle with a fabric sheet to allow transpiration (available at all

the Authorised Service Centres of the Manufacturer's 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 0.5 bar higher than the normally prescribed one, and check it at regular intervals.



CAUTION

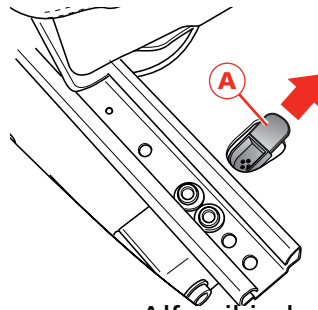
The tyre pressure must be brought back to the prescribed value before reusing the vehicle.

- Do not drain the engine cooling system.

BATTERY CONDITIONER SOCKET

The socket is situated under the left-hand seat and can be accessed by moving the seat forward and folding the backrest.

To access the socket, slide the cover **A** to the side.



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If you do not plan on using the vehicle for more than a week, we advise you to connect the battery conditioner in order to preserve full battery efficiency.

Position the device outside the vehicle and be careful not to "pinch" the connection cable and/or damage the strips when closing the door.

Arrange the battery conditioner in a well visible position, away from heat sources and children's reach.

Instructions for use: active and passive phase

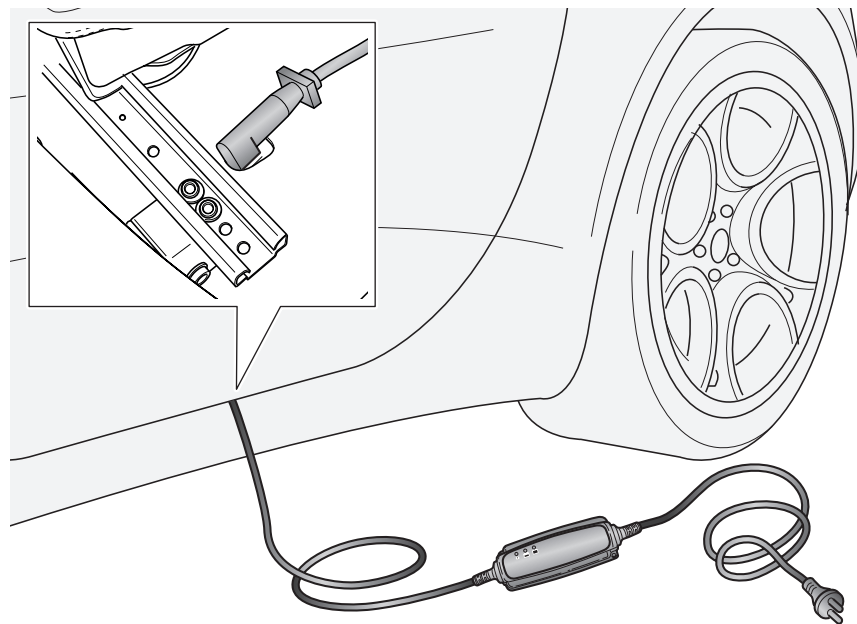
First connect the battery conditioner to the socket in the vehicle and then to the mains socket, thus starting the "Active" phase; the battery conditioner can stay connected to the vehicle for months without any contraindications.

Position the device outside the vehicle and be careful not to "pinch" the connection cable and/or damage the strips when closing the door.

**CAUTION**

Arrange the battery conditioner in a well visible position, away from heat sources and children's reach.

Battery conditioning can be interrupted at any time by disconnecting the power cable from the mains.



Always first disconnect the power cable from the mains and then disconnect the battery conditioner from the vehicle socket.

WARNING: The vehicle cannot be started as long as the battery conditioner is connected to the vehicle socket (even when it is disconnected from the mains).

WARNING: If the battery conditioner is connected only to the vehicle socket the battery will rapidly discharge.

When the warning light (1) is on permanently: it means that there is an electric system fault in the vehicle or the battery.

When the warning light (2) is on permanently: it means that the battery conditioner is in the "Active" phase. During this phase the battery is recharged to the optimal charge level, from a lower one.

When the warning light (3) is on permanently: it means that the battery is fully charged and the battery conditioner is in the "Passive" phase. During this phase, the device maintains the battery at an optimal charge level.

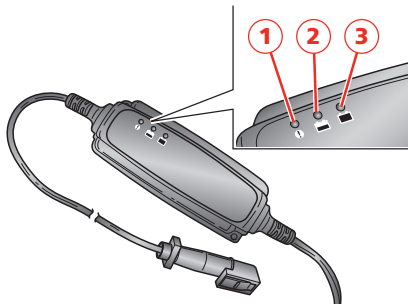
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When the warning lights (2 and 3) are on and flash alternately:

- if the warning lights flash a few times a second, it means that the battery may be sulphated.
- if the warning lights flash alternately for more than 60 minutes, it means that the battery must be replaced.
- if the warning lights flash at intervals of a few minutes, it means that the battery self-discharge percentage is high and it might have to be replaced.

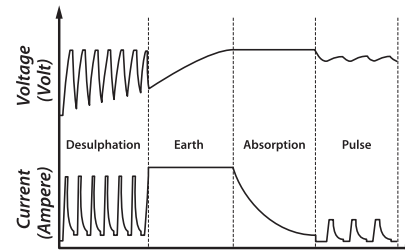
When no warning light is on, the following may have occurred:

- the battery conditioner cables may be disconnected;



- the battery may not be properly connected to the vehicle system;
- the battery may be defective;
- the battery voltage may be low or there may be a lack of power on the mains socket.

1- error warning light
2- active phase warning light: signalling
3- maintenance warning light: maintenance
After checking the connection of the battery conditioner (both to the mains and the vehicle socket) and that the mains are powered, if the (2 or 3) "Active" and "Passive" phase warning lights do not illuminate a few seconds after connecting the battery conditioner, contact an **Authorised Service Centre of the Manufacturer's Network** to have the electric system of the vehicle checked.



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Precautions and warnings

- Make sure that the cables are not crushed or come into contact with hot surfaces or sharp edges.
- Do not cover the battery conditioner.
- Make sure that the mains connector is not exposed to water.
- Never recharge a frozen battery.
- Never recharge a damaged battery.
- The connection to the mains must be in compliance with domestic legislation regarding high voltage.
- Always check the cables of the battery conditioner before use: check that the cables and external sheath are not cracked.
- Never use the battery conditioner if its cables are damaged.
- Store and use the battery conditioner away from children; do not allow children to play with the device.

Overheating protection

The battery conditioner is protected against overheating.

If the ambient temperature rises, the output power is reduced.

Maintenance

The battery conditioner does not require maintenance.

The battery conditioner may not be disassembled.

The casing of the device can be cleaned with a soft and moist cloth or with neutral detergent.

Always disconnect the battery conditioner before cleaning it.

RESTARTING THE VEHICLE

Before restarting the vehicle after a long period of inactivity, we recommend that you perform the following operations:



CAUTION
Check the tyres for pressure and for any damages, cuts or cracks. If this is the case, have them replaced.

- Do not dry-dust the exterior 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 braking system, as well as the engine coolant level.
- Check the air filter and replace it if necessary.
- Check the conditions of the engine belts.

- Reconnect the battery after having checked its charge condition and perform the initialisation procedures where required. In this regard, consult the chapter "Reconnecting the battery" in this section.
- With the gearshift in neutral (N), let the engine idle for several minutes



CAUTION
This operation must be performed outdoors. Exhaust gases contain carbon monoxide which is strongly toxic and potentially lethal.

RECONNECTING THE BATTERY

- Open the luggage compartment (page 82).
- Remove the panel (page 178).
- Connect the battery.
- Unlock and lock the doors using the remote control or the key in the door lock.
- Turn on the instrument panel and adjust the date and time setting in the Setup menu.

WARNING: Each time the battery is reconnected, wait at least 30 seconds with the ignition key in position **MAR** before starting the engine. This enables the electronic system that controls the motor-driven valves to run a self-learning procedure. At the same time, you can also set the date and time on the instrument panel.

RADIO-FREQUENCY 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.

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CONVERSION TABLE

<i>Distance</i>					
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
<i>Volume</i>					
1 l	=	0.2642 US gallon	1 US gallon	=	3.785 l
<i>Weight</i>					
1 kg	=	2.2046 lb	1 lb	=	0.4536 kg
<i>Power</i>					
1 kW	=	1.341 hp	1 hp	=	0.746 kW
<i>Pressure</i>					
1 bar	=	14.5 psi	1 psi	=	0.0689 bar
<i>Consumptions</i>					
1 km/l	=	0.4251 mpg	1 mpg	=	2.3524 km/l



VEHICLE IDENTIFICATION DATA
ACTIVE AND PASSIVE SAFETY
INSTRUMENTS AND CONTROLS
BEFORE YOU DRIVE
USING THE VEHICLE
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All the information contained in this manual is of a purely indicative nature since the Alfa Romeo vehicle versions and models can be modified for either legal or commercial reasons.

Alfa Romeo may therefore make any modification to the vehicle models described in this manual, at any time, for either technical or commercial reasons.

Contact the nearest Authorised Dealer or Alfa Romeo for any further information you may require.

For efficiency and safety purposes, as well as for preserving the vehicle value, we recommend that you do not to modify the vehicle equipment unless you use parts of the approved type.

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